PatBase – Session log 16 August 2017

Search history

Search 1:	FT=boccia (Results 186)
Search 2:	sFT=(ramp and support and game and (disability)) (Results 38)
Search 4:	sFT=(ramp and slid* and ball* and (container or storage or compartment) and angle* and adjust*) (Results 4287)
Search 5:	(4) and sFT=((game or competition) and assist*) (Results 335)
Search 6:	sFT=(ramp and wheelchair and ball and (throw* or slid*)) (Results 243)

- session log created:16 August 2017 16:40:25
- Update information:

PatBase Coverage at Update 2017 Week 32 (Year 2017 Week 32)

PatBase Coverage includes 100+ million documents from over 100 patent–issuing authorities and includes patent applications, granted patents, utility models and designs â€“ detailed in the below coverage listings.

Major countries

Publishing body	Document type	Bibliographic publication date		Full–Text publication date	
		Earliest	Latest	Earliest	Latest
CN China	Patent Applications	19850910	20170811	19850910	20170811
	Patents	19930106	20170811	19930106	20170811
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20170811	19930106	20170811
	Designs	19850910	20170811	19850910	20150819
DE Germany	Patent Applications	19211221	20170810	19650317	20170810
	Patents	18770101	20170810	19200113	20170810
	Utility Models	19280626	20170810	19610831	20170810
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20170809	19781220	20170809
	Patents	19800109	20170809	19800109	20170809
FR France	Patent Applications	19690307	20170811	19810102	20170721
	Patents	18550227	20170811	19600502	20170811
	Utility Model Applications	19720107	20170811	19800104	20170721
	Utility Models	19730112	20170811	19690802	20170804
GB United Kingdom	Unpublished Patent Applications	19830209	20170726		
	Patent Applications	19790104	20170809	19790104	20170726

	Patents	17820704	20170809	19020911	19811216
JP Japan	Patent Applications	19710116	20170803	19930108	20170803
	Patents	19281026	20170726	19960529	20170726
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20170727	19940726	20101216
	Designs	20141110	20170807		
KR Republic of Korea	Patent Applications	19781209	20170811	19940103	20170811
	Patents	19700820	20170811	19970104	20170811
	Utility Model Applications	19781127	20170811	19940730	20170811
	Utility Models	19780110	20170811	19970104	20170811
US United States of America	Patent Applications	20010315	20170810	20010315	20170810
	Patents	18360101	20170808	18560617	20170808
	Designs	18650912	20170808	19770719	20170808
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20170810	19781019	20170810
	Designs	20151127	20170811	20151127	20170811

20170812 21:00

- Login to Patbase:16 August 2017 16:40:25
- **search:** SS1 FT=boccia (Results 186)
- List: SS1 1–25 (FT=boccia) (Results 186)

0) GB200106455A – BOCCIA RAMP

1) Family number: 13563349 (GB200106455A) © PatBase

Title: Boccia ramp

Priority: GB20010006455 20010315

Family:

Publication number	Publication date	Application number	Application date
GB200106455 A0	20010502	GB20010006455	20010315

Probable Assignee: UNIV DUNDEE

Assignee(s):(std)**:** UNIV DUNDEE

Assignee(s): UNIVERSITY OF DUNDEE ; DUNDEE UNIV

0) GB200215824A – BOCCIA RAMP

2) Family number: 23907462 (GB200215824A) © PatBase

Title: Boccia ramp

Priority: GB20020015824 20020709

Family:

Publication number	Publication date	Application number	Application date
GB200215824 A0	20020814	GB20020015824	20020709

Probable Assignee: UNIV DUNDEE

Assignee(s):(std)**:** UNIV DUNDEE

Assignee(s): UNIVERSITY OF DUNDEE ; DUNDEE UNIV

0) CH150958A – TISCH–KUGELSPIEL. TABLE BALL GAME. (MACHINE ...

3) Family number: 25567658 (CH150958A) © PatBase

Title: TISCH–KUGELSPIEL. TABLE BALL GAME. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH150958 A	19311130		19301224

Probable Assignee: WINTER ROLF

Assignee(s):(std)**:** WINTER ROLF

Inventor(s):(std)**:** ROLF WINTER

Inventor(s): WINTER ROLF

International class (IPC 8–9)**:** A63F7/00 (Advanced/Invention); A63F3/00 (Advanced/Non–invention); A63F7/00 (Core/Invention); A63F3/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D15/06 A63F7/06

CPC: A63F7/0005 A63F2003/00517 A63F2007/3025 A63F2250/12

European class: A63F7/00B K63F250/12 K63F3/00B5M8 K63F7/30D

Classification Explorer

Forward Citations: US5078404, EP0307862, EP0307862,

Abstract:
Source: CH150958A 1. Spiel, dadurch gekennzeichnet, dass der Rahmen einzelne ausziehbare Staebe auf–weist, um die Laenge des Rahmens aendern zu koennen. . 1 Game, characterized in that the frame single pull–up Staebe has to can change the length of the frame.

0) CH186197A – VERFAHREN ZUR HERSTELLUNG VON WASSERDURCHLAESSI...

4) Family number: 26411962 (CH186197A) © PatBase

Title: VERFAHREN ZUR HERSTELLUNG VON WASSERDURCHLAESSIGEN BELAEGEN FUER TENNIS–, TURN– UND SPIELPLAETZE. PROCESS FOR THE PREPARATION OF WATER permeable surfaces FOR TENNIS, AND TURN playgrounds. (Machine translation)

Priority: 19360624

Family:

Publication number	Publication date	Application number	Application date
CH186197 A	19360915		19360624

Probable Assignee: HAGGENMACHER FRITZ

Assignee(s):(std)**:** HAGGENMACHER FRITZ

Inventor(s):(std)**:** FRITZ HAGGENMACHER

Inventor(s): HAGGENMACHER FRITZ

International class (IPC 8–9): E01C13/06 (Advanced/Invention); E01C13/00 (Core/Invention)

International class (IPC 1–7): E01C13/00

CPC: E01C13/06

European class: E01C13/06

Classification Explorer

Forward Citations: WO8204081, FR2501744, FR2494739, EP0066099,

Abstract:
Source: CH186197A 1. Verfahren nach Patentanspruch, dadurch gekenpzeichnet, dass als Hartstoff Ziegel mehl verwendet wird. . 1 Method according to claim, characterized gekenpzeichnet that brick flour is used as the hard material.

0) CH209872A – TISCH–BOCCIA–SPIEL. TABLE BOWLING GAME. (MAC...

5) Family number: 25636658 (CH209872A) © PatBase

Title: TISCH–BOCCIA–SPIEL. TABLE BOWLING GAME. (Machine translation)

Priority: 19391227

Family:

Publication number	Publication date	Application number	Application date
CH209872 A	19400515		19391227

Probable Assignee: OSTER JOSEF

Assignee(s):(std)**:** OSTER JOSEF

Inventor(s):(std)**:** JOSEF OSTER

Inventor(s): OSTER JOSEF

International class (IPC 1–7): A63F7/06

Abstract:
Source: CH209872A and lt;B and gt;PATENTANSPRUCH: and lt;/B and gt; Tisch–Boccia–Spiel, dadurch gekenn7eicli– net, dass eine Vorrichtung vorgesehen ist. mittelst welcher die erzielten Punkte vom Spieler aufgezeichnet werden koennen, und dass Mittel vorhanden sind. dank welcher nach Ablauf der an einem Uhr–,verk ein gestellten Spielzeit das Spielfeld automatisch einseitig gesenkt wird, wodurch die auf dem Spielfeld liegenden.Spielkugeln in einen Be haelter rollen, wobei das Spielfeld eist nach dem Einwurf eines Geldstueckes wieder in Ge brauchslage gebracht werden kann unter gleichzeitiger Aufhebung einer Sperrung der Kugeln im Behaelter, so dass diese zur Ver– fuegung der Spieler frei werden, ferner ge kennzeichnet durch ein na–oh verschiedenen Richtungen einstellbares Abwurfgeraet, durch welches CTeraet eine auf dasselbe gesetzte R.u–gel auf den verschiedensten Bahnen an die einzelnen Stellen des Spielfeldeo geworfen werden kann. B and gt;; and lt CLAIM: and lt; / B and gt; Table bocce game, characterized gekenn7eicli– net that a device is provided. by means of which the marks obtained can be recorded by the player, and that funds are available. be thanks to which after the use position on a clock, verk a detected season, the playing field is automatically lowered on one side, so that the roll on the field liegenden.Spielkugeln in a loading container, wherein the pitch eist after inserting a Geldstueckes again in Ge brought can simultaneous lifting of blocking the balls inside the reservoir, so this comparison for the player, shall be free, further characterized by at a na–oh different directions adjustable Abwurfgeraet through which CTeraet a gel to the same set Ru on the different substrates can be thrown to the individual points of Spielfeldeo.

0) US2514119A – BREAKWATER

6) Family number: 21749250 (US2514119A) © PatBase

Title: BREAKWATER

Priority: US19460669001 19460511

Family:

Publication number	Publication date	Application number	Application date
US2514119 A	19500704	US19460669001	19460511

Probable Assignee: BOCCIA RAYMOND A

Assignee(s):(std)**:** BOCCIA RAYMOND A

Inventor(s):(std)**:** BOCCIA RAYMOND A

International class (IPC 8–9)**:** E02B3/06 (Advanced/Invention); E02B3/06 (Core/Invention)

International class (IPC 1–7)**:** E02B3/06

CPC: E02B3/06

European class: E02B3/06

US class: 256/12.5 405/21

Classification Explorer

Cited documents: US275952 A, US2099249 A, US1948639 A, US1877113 A, US1681636 A, US1500119 A, GB110507 A,

Forward Citations: USRE42259, US6932539, US5385432, US5071285, US3849990, US3280569, US2662378, US2639587, US2014138298, US2004206516,

Abstract:
Source: US2514119A (Claim 1) In a breakwater, a wall consisting of a plurality of vertical posts arranged in line and spaced apart and each provided on the surface thereof which is presented toward the post adjacent thereto with a vertical guideway, and beams having ends slidably engaged with said guideways and stacked vertically therealong, said guideways of said posts engaging said beam ends and retaining same therein against tensional forces exerted on said beams, and spacing mem~ bers also slidably engaging said guideways and ,interposed between the ends of each lower beam on the vertical stack of beams and the ends of the beam next thereabove.

0) DE1641884U – TISCH–BOCCIA–SPIEL.

7) Family number: 18237794 (DE1641884U) © PatBase

Title:	TISCH–BOCCIA–SPIEL.
Priority:	DE1952W005359U 19520509

Family:

Publication number	Publication date	Application number	Application date
DE1641884 U	19520731	DE1952W005359U	19520509

Probable Assignee:	WINTER ROLF
Assignee(s):(std)**:**	WINTER ROLF
Assignee(s):	ROLF WINTER
Inventor(s):(std)**:**	WINTER ROLF
Inventor(s):	ROLF WINTER

0) CH303309A – SPIELVORRICHTUNG. GAME DEVICE. (MACHINE TRAN...

8) Family number: 25634040 (CH303309A) © PatBase

Title: SPIELVORRICHTUNG. GAME DEVICE. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH303309 A	19541130		19520505

Probable Assignee: MOSER WERNER DR

Assignee(s):(std)**:** MOSER WERNER DR

Inventor(s):(std)**:** MOSER WERNER DR

International class (IPC 8–9): A63F5/04 (Advanced/Invention); A63F5/04 (Core/Invention)

International class (IPC 1–7): A63F7/04

CPC: A63F5/007 A63F5/02

European class: A63F5/02 K63F5/00C

Classification Explorer

Abstract:
Source: CH303309A (Claim 1) 1. PATENTANSPRUCH: Spielvorrichtung, gekennzeichnet durch einen Koerper mit wenigstens einer Rille und durch auf diesem Koerper angebrachte Kenn zeichen, um das Stehenbleiben eines in der Rille zu bewegenden Koerpers zu markieren und den Wert der Bewegung desselben anzugeben. UNTERANSPRUECHE: I. Vorrichtung nach Patentanspruch, da durch gekennzeichnet, dass der erstgenannte Koerper eine Scheibe ist, an der Stuetzen zu ihrer Abstuetzung auf einer Unterlage ange bracht sind.

Machine translation: (claim 1) 1 PATENT CLAIMS: game device, characterized by a body with at least one groove and on this body identifications sign to the stopping of a too in the groove to moving body tag and the value of the movement thereof to be indicated. UNTERANSPRUECHE: I. An apparatus according to claim, since in that the first–mentioned body is a disc, are introduced to the pillar to its support on a base in.

0) US2965730A – SAFETY CUTOFF VALVE WITH INDICATOR SWITCH

9) Family number: 23719877 (US2965730A) © PatBase

Title: SAFETY CUTOFF VALVE WITH INDICATOR SWITCH

Priority: IT19580004981 19580405 IT19880005818 19571221

Family:

Publication number	Publication date	Application number	Application date
AT217332 B	19610925	AT19580008724	19581217
BE574012 A1	19590416	BE19580574012	19581218
CH369373 A	19630515	CH19580067384	19581216
DE1150253 B	19630612	DE1958R024602	19581216
DE1802021 U	19591210	DE1959R018149U	19590402
FR1223385 A	19600616	FR19580782234	19581220
GB867124 A	19610503	GB19580040721	19581217
US2965730 A	19601220	US19580782072	19581222

Probable Assignee: REGOLI BENGASI

Assignee(s):(std)**:** BENGASI REGOLI ; CARLO DI STEFANO ; DI STEFANO CARLO ; REGOLI BENGASI ; STEFANO CARLO DI

Inventor(s):(std)**:** BENGASI REGOLI ; DI STEFANO CARLO ; REGOLI BENGASI ; STEFANO CARLO DI

Inventor(s): CARLO DI STEFANO

International class(IPC 8–9)**:** B60T11/32 B60T17/22 F16K17/32 (Advanced/Invention); B60T11/10 B60T17/18 F16K17/20 (Core/Invention)

International class(IPC 1–7)**:** B60T11/32 B60T17/22 B62D B65D90/50 F16D66/00 F16K17/26

CPC: Y10T137/2663 Y10T137/7727 F16K17/32 B60T11/323 B60T17/22 B60T17/226

European class: B60T11/32B B60T17/22 B60T17/22F F16K17/32

US class: 137/118.06 137/460 200/82D 303/84.2

Classification Explorer

Cited documents: US2879791 A, US2568311 A, US2531274 A, US2410202 A, US2327055 A, US2265117 A, US2239348 A, US2046316 A, US1955180 A, US1936504 A, DE870483 A, DE814826 A, DE499092 A, DE222218 A, DE100633 A, CH34726 A,

Forward Citations: US9410636, US9322484, US5664598, US4202368, US3674954, US3529171, US3526093, US3434286, US3431729, US3345998, US3296394, US3293389, US3273116, US3172423, US3148693, US2015211650, US2013220456, FR2447022, FR2086502, DE2547912,

Abstract:
Source: GB867124A 867,124. Valves. REGOLI, B., and DI STEFANO, C. Dee: 17, 1958 [Dec. 21,1957; April–5, 1958], No. 40721/58. Class 135. [Also in Groups XXXIV and XXXVII]. A safety cut–off device for hydraulic systems comprises a body 1 having an inlet 2, 40 connected to a supply line, and outlets 10 to separate sections of the system; a groove 4 in the body enables fluid to pass to either side of a piston 7 and to outlets 10 via ports 14, 12 in members 5, the piston 7 being centred by equal pressure on its faces and by springs 28. Should a fault occur in one of the sections, then loss of pressure on one side of piston 7 causes it to move toward the defective section, the piston's central portion 9 moving a pin 24 in an extension 22 of member 5, to move a locking cap 26 into a blind hole 25 in a pin 16, then the cap 26 has completely entered hole 25 the pin 16 is moved by springs 20 to close port 12 and seal off the defective section. When piston 7 moves from its central position, a metal disc 37 in a cap 30 serewed into body extension 27, is moved by spring 38 into contact with body 1 to make an electric circuit to operate a warning light, the disc 37 being normally insulated from the body by insulators 36, 34. The member 5 nearest the defect is unscrewed from the body to reset the device. In an alternative arrangement in Fig. 2, on failure in a section of the system, the piston 63 moves toward the defective section until pin 71 is moved into recess 62 in body 51 by spring 73 enabling a spring 66 to move a pin 64 into port 61 or 60 to seal off the defective section. Should the fault occur in the section fixed to the end 52 of body 51, then to reset the device the cap 53 and stud 77 are removed; a tool is inserted in slot 59 in the piston to rotate the piston and align the shot pin 71 with the hole of stud 77 from which it is removed, the piston is then removed, pins 71 and 64 re–inserted in piston 7 and the device reassembled. If the defect occurs in the section attached to cap 53 then the cap only is removed for resetting the device. After resetting the washer 76 is removed from stud 75 which is re–inserted to engage the

groove 74 in piston 63 to fix the piston whilst air is removed from the system.

0) SU123517T – DRUM FOR DIFFERENTIALLY EXTENSION CORD FABRIC ...

10) Family number: 53934890 (SU123517T) © PatBase

Title: Drum for differentially extension cord fabric (Machine translation)

Priority: SU19590619541 19590216

Family:

Publication number	Publication date	Application number	Application date
SU123517 T	19591130	SU19590619541	19590216

Probable Assignee: DEMIDOV G K

Assignee(s):(std)**:** DEMIDOV G K ; KROKHIN V M ; ROMANENKO A K ; SAKALOV V V ; ZIMIN I A ; TERMER V YU

Inventor(s):(std)**:** DEMIDOV G K ; KROKHIN V M ; ROMANENKO A K ; SAKALOV V V ; TERMER V YU ; ZIMIN I A

International class (IPC 8–9): D06C3/06 (Advanced/Invention)

International class (IPC 1–7): D06C3/06

Classification Explorer

Abstract:
Source: SU123517T 1C 1–1 and with what. with no.sh p.totnos1n tissue, narunik my, IM boccia ionerhnost drum pok | 1ymi vdo.t drum and Irik |) ene, to dinners bms.tey, ohiatynayushih mu each 1gz ski ba.rabacha, KOTopijie etc. lipairioHnii drum caught kts– point kren.teni ––ltas gnchnyh ndastii on bhtchme then iri b; 1izhats, th hda.t be from the axis of the drum and 1 yyvat1z:; P1M nskmsdovatelno IAU) astayui1, ce stretch zhe1G1ge n.tastin since iodhoda them to sector drum ohvachennomh– | kanyu, n zhatis irx since the release tglastig (this soktorp. i; occi aiioii / iciuiH width and normal ip, way b.tlzhe to its edges,) –n; astichiymi p.tastnia– E, y: gozhene: iHi) iM) i ends through gibkne thrust –jKc; u4ri) HKii, Rusty | 10.K)) 1e by one

0) CH351206A – EINRICHTUNG ZU EINEM MITTELS MINDESTENS EINER R...

11) Family number: 25521899 (CH351206A) © PatBase

Title: EINRICHTUNG ZU EINEM MITTELS MINDESTENS EINER ROLLENDEN KUGEL DURCHFUEHRBAREN GESCHICKLICHKEITSSPIEL DEVICE FOR A MEANS OF AT LEAST ONE BALL ROLLING DURCHFUEHRBAREN SKILL GAME (Machine translation)

Priority: 19570321

Family:

Publication number	Publication date	Application number	Application date
CH351206 A	19601231		19570321

Probable Assignee: BATT HUGO DR

Assignee(s):(std)**:** BATT HUGO DR

Inventor(s):(std)**:** BATT HUGO DR

International class (IPC 8–9)**:** A63B67/00 (Advanced/Invention); A63B67/00 (Core/Invention)

International class (IPC 1–7)**:** A63C19/02

CPC: A63B67/002

European class: A63B67/00B

Classification Explorer

Abstract:
Source: CH351206A (Claim 1) PATENTANSPRUCH Einrichtung zu einem mittels mindestens einer rollenden Kugel durchfuehrbaren Geschicklichkeits– spiel dadurch nach gekennzeichnet, dem Patentanspruch dass das des Spielfeld Hauptpatentes (41) aus ' zwei laengsseitig aneinandergrenzenden Reihen von je vier deckung eich rechteckigen Parzellen (45 und 46) besteht, von denen dieje am gleichen Ende der beiden Reihen laengs einer in der Reilienlaengsrich– tun– verlaufenden Parzellenseite aneinandergrenzen– den Parzellen (45 und 45) unter sich und die beiden jeweils eine Reihenhaelfte bildenden Parzellen (45 und 46) unter sichje durch ein quer an die aeussere Ab– schrankunor (42) angrenzendes Tor (48 bzw.

Machine translation: (claim 1) PATENT CLAIM Means to a durchfuehrbaren by at least a rolling ball game of skill, characterized by, the claim that the playing field main patent (41) from '<;/ b> laengsseitig two adjacent rows of each four rectangular cover calibration plots (45 and 46), each of which at the same end of two rows along one in the Reilienlaengsrich tun–running side plots adjoin–the plots (45 and 45) between them and the two one Reihenhaelfte forming plots (45 and 46) under the **each** by an outer, transverse to the ex–schrankunor (42) adjacent gate (48 or

0) DE1901357U – KUGELSPIEL MIT WURFKUGELN NACH ART DES BOCCIA. ...

12) Family number: 20310061 (DE1901357U) © PatBase

Title: KUGELSPIEL MIT WURFKUGELN NACH ART DES BOCCIA. BALL THROW BALL GAME WITH THE TYPE OF BOWLS. (Machine translation)

Priority: DE1964B057867U 19640609

Family:

Publication number	Publication date	Application number	Application date
DE1901357 U	19640924	DE1964B057867U	19640609

Probable Assignee: BOCK HANS WALTER

Assignee(s):(std)**:** BOCK HANS WALTER

Assignee(s): HANS WALTER BOCK

Inventor(s):(std)**:** BOCK HANS WALTER

Inventor(s): HANS WALTER BOCK

International class (IPC 8–9)**:** A63D13/00 (Advanced/Invention); A63D13/00 (Core/Invention)

International class (IPC 1–7)**:** A63B67/00

Classification Explorer

Abstract:
Source: DE1901357U (Claim 1) 1. Kugelspiel mit Wuerfkug du,re,1–j# einen Boden (1) mit eillem Einwurfkanal (4) an dem einen aeusseren LUngsrand (2), =d einem bogenfoermigen, vorzugsweise einen Halbkreis bildenden Uzuecehrrand (6) an dem der Einwurfseite abgewtandten Bodenende sowie einer Unterteilung des Feldes zwischen dem Innenrand (3) des Einimrtkanals tund dem anderen Laengsrand (7) des Bodens in raehrere Kanaelle (809,10,11e12)e denen auf der Einwurfseite eine ausloeSbare Auslaufzperre (13) zugeordnet ist.

Machine translation: (claim 1) 1 A ball game with Wuerfkug you, re,1–j # a bottom (1) with eillem throw–channel (4) on the one outer Lung edge (2), = d a an arcuate, preferably forming a semicircle Uzuecehrrand (6) on which the throw–side abgewtandten bottom end as well as a subdivision of the field between the inner edge (3) of the Einimrtkanals tand the other Laengsrand (7) of the soil in raehrere Kanaelle (809,10,11 e12) e which is assigned to the throw–in side a releasable Auslaufzperre (13).

0) CH392406A – APPARECCHIO AUTOMATICO PER LA PRODUZIONE CONTIN...

13) Family number: 24852634 (CH392406A) © PatBase

Title: Apparecchio automatico per la produzione continua di acque gassate Apparecchio automatico per la produzione continua di acque gassate Automatic device for the continuous production of aerated waters (Machine translation)

Priority: IT19610000505 19610112

Family:

Publication number	Publication date	Application number	Application date
CH392406 A	19650515	CH19620000336	19620112

Probable Assignee: VALENTINI MASSIMO

Assignee(s):(std)**:** VALENTINI MASSIMO

Inventor(s):(std)**:** MASSIMO VALENTINI

Inventor(s): VALENTINI MASSIMO

International class (IPC 8–9): B01F3/04 (Advanced/Invention); B01F3/04 (Core/Invention)

International class (IPC 1–7): C02D1/04

CPC: B01F3/04815

European class: B01F3/04C8P

Classification Explorer

Forward Citations: US4629589, FR2568855,

Abstract:
Source: CH392406A [Source: Claim 1] 1. Apparecchio secondo la rivendicazione, caratterizzato dal fatto che la pompa e costituita da una carcassa cava entro la quale un organo mobile con moto alternativo delimita due coppie di camere di cui due sono collegate ad un condotto di alimentazione dell'acqua e sono provviste di condotti per lo scarico dell'acqua contenuta nelle camere stesse e due sono collegate mediante tubi al distributore, a seconda delle posizioni del cui cassetto sono alternativamente poste in comunicazione l'una con un condotto di alimentazione di gas in pressione che provoca il moto della parte mobile della pompa e l'altra con la parte inferiore del saturatore dalla cui sommita scende l'acqua che vi giunge espulsa da una delle camere ad acqua della pompa, la stessa pompa essendo collegata a detto distributore, lateralmente al cassetto, mediante tubi che ad ogni fine corsa della pompa sono messi in comunicazione colle camere del gas, di modo che la pressione del gas che e contenuto in quella camera che e in diretto collegamento col condotto di alimentazione del gas stesso provoca uno spostamento del cassetto del distributore e quindi una inversione del moto dell'organo mobile, il prelievo dell'acqua gassata venendo effettuato attraverso un tubo montato in prossimita del fondo del saturatore. [Source: Claim 1] 1. Apparatus according to claim, characterised by the fact that the pump consists of a hollow carcass within which a mobile organ with reciprocating motion delimits two pairs of rooms two of which are connected to a water supply and water drain ducts are provided in the rooms themselves are connected by pipes to the Distributor Depending on the positions of which are alternately placed in communication with one drawer a pressurized gas supply line that causes the motion of the movable part of the pump and the other with the bottom of the water drops from the top saturator reaches ejected from a water pump rooms, the same pump being connected to such distributor, side of the drawer, using pipes that at each end of stroke of the pump are connected Hill gas chambers, so that the pressure of the gas that it contained in one room and in direct connection with the gas supply line itself causes a shift of the drawer of the Distributor, and then a reversal of direction of mobile body, water is removed through a tube mounted near carbonated coming from the bottom of the mixer.

0) DE1920676U – TRANSPORTABLE BOCCIA–SPIELBAHN. PORTABLE BOWLS ...

14) Family number: 21181516 (DE1920676U) © PatBase

Title: TRANSPORTABLE BOCCIA–SPIELBAHN. PORTABLE BOWLS GAME TRAIN. (Machine translation)

Priority: DE1965H052144U 19650601

Family:

Publication number	Publication date	Application number	Application date
DE1920676 U	19650729	DE1965H052144U	19650601

Probable Assignee: HESS ERNST

Assignee(s):(std)**:** HESS ERNST

Assignee(s): ERNST HESS

Inventor(s):(std)**:** HESS ERNST

Inventor(s): ERNST HESS

International class (IPC 1–7)**:** A63C19/00

Forward Citations: DE3447820,

Abstract:
Source: DE1920676U (Claim 1) 1.) Transportable Boccia–Spielbahn, bestehend aus einem Winkel– oder Massivrahmen und eingelegten Spielfeldplatten fuer den Kugellauf.

Machine translation: (claim 1) 1) Portable bowling game train, consisting of an angle for solid frame or field plates and loaded the rifle barrel.

0) US3272508A – ELEVATOR DISCHARGE ORIENTING MEANS OPERATED IN ...

15) Family number: 25546736 (US3272508A) © PatBase

Title: ELEVATOR DISCHARGE ORIENTING MEANS OPERATED IN RESPONSE TO ORIENTATION OF PINS ON THE ELEVATOR

Priority: US19630286015 19630606

Family:

Publication number	Publication date	Application number	Application date
AT271281 B	19690527	AT19640004785	19640603
CH425578 A	19661130	CH19640007115	19640601
DE1453131 A1	19690327	DE19641453131	19640601
US3272508 A	19660913	US19630286015	19630606

Probable Assignee: OTIS ELEVATOR CO

Assignee(s):(std)**:** BOWL MOR CO INC ; BOWL MOR COMPANY INC ; OTIS ELEVATOR CO

Assignee(s): OTIS ELEVATOR COMPANY

Inventor(s):(std)**:** LANDRY OLIVER A ; LEROY TEMPLE W ; LIONEL BARROWS ROYAL ; MATTHEW DOWD HOWARD ; OLIVER LANDRY ; ROYAL LIONEL BARROWS ; A LANDRY OLIVER ; BARROWS ROYAL L ; COMPANY STATE STREET BANK AND ; HOWARD MATTHEW DOWD ; STATE STREET BANK AND CO

Inventor(s): LANDRY OLIVER ; STATE STREET BANK AND TRUST COMPANY ; TEMPLE W LEROY ; STATE STREET BANK AND TRUST CO

International class (IPC 8–9): A63D5/08 (Advanced/Invention); A63D5/00 (Core/Invention)

International class (IPC 1–7): A63D5/08 A63D5/09

CPC: A63D5/08

European class: A63D5/08

US class: 198/418 294/87.26 473/97

Classification Explorer

Cited documents: US3174751 A, US2962284 A, US2820636 A, US2767983 A, US2755089 A, US2686053 A, US2634978 A, US2625397 A, US2017143 A,

Forward Citations: US3966206, US3809398, US3529708, US3417992, US3380739, DE2245953,

Abstract:
Source: US3272508A (Claim 1) 1. In an automatic bowling pinsetting machine having means including a bowling pin elevator for sequentially raising horizontally oriented bowling pins from a lower level to a higher level, means associated with said elevator for dislodging said pins therefrom at said higher level, and means including a slide for receiving said dislodged pins; means associated with said elevator for orienting bowling pins of the type having a relatively thick 40 body and a relatively thin neck, and for insuring that such pins enter said slide with their base portion first which comprises a pair of pivoted arms each adapted to move between an upstanding position where said arm is adapted to engage the neck of a pin after said pin has been dis–45 lodged from said elevator, and before said pin has reached said slide, and a lowered position where said arm is out of the path of said pin, link means connecting said arms whereby when one of said arms is in the upstanding position the other of said arms is in the lowered position, and 50 pin sensing means responsive to the passage of the pin on said elevator for detecting the neck portion of the pin and erecting the corresponding arm.

0) DE1973910U – SPIEL– UND SPORTGERAET. GAME AND SPORTGERAET. ...

16) Family number: 21107960 (DE1973910U) © PatBase

Title: SPIEL– UND SPORTGERAET. GAME AND SPORTGERAET. (Machine translation)

Priority: DE1967R035717U 19670807

Family:

Publication number	Publication date	Application number	Application date
DE1973910 U	19671130	DE1967R035717U	19670807

Probable Assignee: MAX ROHT K G

Assignee(s):(std)**:** MAX ROHT K G

International class (IPC 1–7)**:** A63B67/00 A63D7/00

Abstract:
Source: DE1973910U (Claim 1) 1. Spiel– und Sport7erMt, mit Wurfkugeln und mindestens einer Zielkugel, g e k e n n 7 z e i c h n e t d u r c h eine pendelnde AUfhIngung der Zielkugel (7).

Machine translation: (claim 1) 1 Play and Sport7erMt, with throwing balls and at least one target ball, marked 7 is characterized by an oscillating AUfhIngung the target ball (7).

0) CH448840A – WURFSPIEL THROWING GAME (MACHINE TRANSLATION...

17) Family number: 25396493 (CH448840A) © PatBase

Title: Wurfspiel Throwing game (Machine translation)

Priority: AT19660009333 19661005

Family:

Publication number	Publication date	Application number	Application date
CH448840 A	19671215	CH19670001051	19670120

Probable Assignee: WINKLER HERMANN

Assignee(s):(std)**:** WINKLER HERMANN

Inventor(s):(std)**:** HERMANN WINKLER

Inventor(s): WINKLER HERMANN

International class (IPC 8–9)**:** A63F9/02 (Advanced/Invention); A63F9/02 (Core/Invention)

International class (IPC 1–7)**:** A63B67/06

CPC: A63F9/0278

European class: A63F9/02P

Classification Explorer

Forward Citations: US5655777,

Abstract:
Source: CH448840A (Claim 1) 1. Wurfspiel nach Patentanspruch, dadurch gekenn zeichnet, dass jeder Wurfkoerper (I1, 12, 13) mindestens drei aus Kettengliedern (13) gebildete Arme (12) auf weist, die an einem zentralen Glied (11) angeordnet sind.

Machine translation: (Claim 1) 1 Throwing game according to claim, characterized in that each Wurfkoerper (I1, 12, 13) from at least three chain links (13) formed arms (12) exhibits, which are arranged on a central element (11).

0) GB1298400A – BALL GAME DEVICE

18) Family number: 40970190 (GB1298400A) © PatBase

Title: BALL GAME DEVICE

Priority: DE19690023992U 19690612

Family:

Publication number	Publication date	Application number	Application date
AU197015920 A1	19711209	AU19700015920	19700604
BE752062 A1	19701201		00000000
CH525685 A	19720731	CH19700008342	19700603
DE6923992 U	19700115	DE19690023992U	19690612
ES188115 U	19740116	ES19700188115U	19700615
ES188115 Y	19740901	ES19700188115U	19700615
FR2052680 A5	19710409	FR19700022160	19700616
GB1298400 A	19721129	GB19700027715	19700608
NL7008761 A	19701218	NL19700008761	19700616
ZA7003947 A	19710825	ZA19700003947	19700610

Probable Assignee: HERBERT ZOSCHIINGER

Assignee(s):(std)**:** HERBERT ZOSCHIINGER ; PRUSS G ; PRUSS GUENTHER ; ZOSCHINGER HERBERT ; PRUSS GUNTHER M ; PRUSS GUENTHER MANFRED ; ZOESCHINGER HERBERT ; ZOSCHINGER HEBERT ; ZOESCHINGER H ; ZOSCHINGER Y MANFRED PRUSS H Y G

Assignee(s): PRUSS GUNTHER M HERZOGSTANDWEG 37 8113 KOCHEL AM SEE ALLEMAGNE ; ZOSCHINGER ; PRUSS GUNTHER ; PRUSS GUNTHER M HERZOGSTANDWEG 37 8113 KOCHEL AM S ; ZOSCHINGER HERBERT AUF DER STEIG 31 7 STUTTGART 50 ; MANFRED PRUSS ; GUENTHER MANFRED PRUSS ; HERBERT ZOESCHINGER

Inventor(s):(std)**:** GUENTHER MANFRED PRUSS ; PRUSS G ; PRUSS GUENTHER MANFRED ; PRUSS GUNTER MANDRED ; PRUSS GUNTHER MANFRED ; ZOESCHINGER HERBERT

Inventor(s): GUNTER MANDRED PRUSS ; GUNTHER MANFRED PRUSS ; HERBERT ZOESCHINGER ; MANFRED PRUSS GUENTHER

International class (IPC 8–9): A63B59/18 A63B67/20 (Advanced/Invention); A63B59/00 A63B67/20 (Core/Invention)

International class (IPC 1–7): A63B59/06 A63B59/18 A63B67/10 A63B69/00 A63B69/38

CPC: A63B67/20

European class: A63B67/20

Classification Explorer

Forward Citations: CN104606866,

Abstract:
Source: GB1298400A 1298400 Bat and tethered ball; manipulative toys H ZOESCHINGER and G M PRUSS 8 June 1970 [16 June 1969] 27715/70 Headings A6D and A6S A ball game apparatus comprises a ball 4 connected by an elongate elastic member 3 to a swivel bearing 2 rotatable about a racket handle 11, either the ball or the racket's striking surface being elastically deformable. The ball may be a tennis ball or a shuttle cock weighted with plastic. The member 3 may be a rubber cord or braided cords, an elastomer, or a spring and may be connected by a spring hook to an eye 21 in the bearing 2. The bearing 2 is rotatable in a groove 12 in the handle.

0) DE6948671U – EINRICHTUNG FUER EIN KUGELSPIEL DEVICE FOR A BA...

19) Family number: 16320701 (DE6948671U) © PatBase

Title: EINRICHTUNG FUER EIN KUGELSPIEL DEVICE FOR A BALL GAME (Machine translation)

Priority: DE19690048671U 19691217

Family:

Publication number	Publication date	Application number	Application date
DE6948671 U	19700409	DE19690448671U	19691217

Probable Assignee: MODERNE BAU KUNSTSTOFFE KEHREN

Assignee(s):(std)**:** MODERNE BAU KUNSTSTOFFE KEHREN

Assignee(s): MODERNE BAU KUNSTSTOFFE KEHREN AND CO

International class (IPC 1–7)**:** A63B67/00 A63D1/00

Forward Citations: EP0016309,

Abstract:
Source: DE6948671U (Claim 1) 4. Einrichtung nach den Anspruechen 1 bis 3, dadur @ h ge – k e n n z e i c h n e t, dann die FGhruDg81e18te (2) und das Befestigungsteil (5) in einer formigen Schiene (6), mit Abstand von der Spielbahnoberflaeche gehaltert ist. 5.

Machine translation: (Claim 1) 4th Device according to claims 1 to 3, dadur h @ ge – marks, then the FGhruDg81e18te (2) and the Mounting part (5) in a shaped rail (6), with Distance is retained by the fairway surface. 5th

0) DE1962332C3 – LERN– UND UEBUNGSGERAET ZUR EINZELAUSUEBUNG DES...

20) Family number: 448507 (DE1962332C3) © PatBase

Title: LERN– UND UEBUNGSGERAET ZUR EINZELAUSUEBUNG DES TENNISSPORTS

Priority: DE19691962332 19691212

Family:

Publication number	Publication date	Application number	Application date
DE1962332 A1	19710616	DE19691962332	19691212
DE1962332 B2	19770526	DE19691962332	19691212
DE1962332 C3	19780112	DE19691962332	19691212

Probable Assignee: ZOESCHINGER HERBERT

Assignee(s):(std)**:** PRUSS GUENTHER MANFRED ; ZOESCHINGER HERBERT

Inventor(s):(std)**:** MANFRED PRUSS GUENTHER ; PRUSS GUENTHER MANFRED

International class (IPC 8–9)**:** A63B67/20 (Advanced/Invention); A63B67/20 (Core/Invention)

International class (IPC 1–7)**:** A63B69/38

CPC: A63B67/20

European class: A63B67/20

Classification Explorer

Forward Citations: DE3821755, DE3805871, AU697105,

Abstract:
Source: DE1962332B2 The teaching and practice appts. for individual tennis practice has a tennis ball connected to the racquet by an elastic flexible line. The racquet end of the connecting line is attached to a bearing section which is made to swivel around the longitudinal axis of the tennis racquet handle. The tennis racquet handle has a ring groove located at the point where the handle runs into the frame section to accommodate the bearing section formed as a ring. The connecting line is attached to the bearing by an eyelet in the style of a pendulum.

0) DE2011416A1 –

21) Family number: 473402 (DE2011416A1) © PatBase

Priority: DE19702011416 19700311

Family:

Publication number	Publication date	Application number	Application date
DE2011416 A1	19710923	DE19702011416	19700311

International class (IPC 8–9): A63D15/04 A63F7/06 (Advanced/Invention); A63D15/00 A63F7/00 (Core/Invention)

International class (IPC 1–7): A63B67/04 A63F7/06

CPC: A63D15/04 A63F7/06

European class: A63D15/04 A63F7/06

Classification Explorer

Forward Citations: US7070040, FR2496476,

Abstract:
Source: DE2011416A1 (Claim 1) 1. – – Patentansprueche – (1.)Spielgeraet fuer Ball– oder Kugelspiel mit einem aus mindestens zwei Platten bestehenden rechteckigen Spiel feld, welches an mindestens drei Seiten einen von der Spielfeldflaeche rechtwinklig hochstehenden Rand aufweist, dadurch gekennzeichnet, dass eine erste Plat te die Flaeche eines Tisches bildet, die weiteren zum Spielfeld gehoerenden Platten in den Tisch unterhalb dieser ersten Platte einsetzbar sind, bei Benutzung der ersten Platte als Tischplatte ihr Spielfeldrand unterhalb dieser Platte unterbringbar ist und der Tisch Behaelter zur Aufnahme des Spielzubehoers aufweist.

Machine translation: (Claim 1) 1 – – Claims – (1) Spielgeraet for ball or ball game with a current of at least two plates rectangular playing field, which has at least three sides of one of the Spielfeldflaeche perpendicular raised edge, wherein a first Plat te the area of a table forms the other plate belonging to the playing field in the table below this first plate may be used, when using the first drive as its tabletop sidelines accommodated below the plate and the table has container for holding the Spielzubehoers.

0) DE7119709U – BAUELEMENTESATZ FUER (MONTAGE)–BOCCIA– ODER EIS...

22) Family number: 16455845 (DE7119709U) © PatBase

Title: BAUELEMENTESATZ FUER (MONTAGE)–BOCCIA– ODER EISBAHNEN ELEMENT SET FOR (ASSEMBLY) – BOOCIE OR ICE–SKATING RINKS (Machine translation)

Priority: DE19710019709U 19710414

Family:

Publication number	Publication date	Application number	Application date
DE7119709 U	19711104	DE19710019709U	19710414

Probable Assignee: LINKE J

Assignee(s): LINKE J

0) DE2105648 A –

23) Family number: 548575 (DE2105648 A) © PatBase

Priority: DE19712105648 19710206

Family:

Publication number	Publication date	Application number	Application date
DE2105648 A1	19720817	DE19712105648	19710206

International class (IPC 8–9): A63D1/02 A63F7/00 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7): A63D1/02

CPC: A63F7/0017 A63F7/3622 A63F7/388

European class: A63F7/00C A63F7/36D K63F7/38S

Classification Explorer

Forward Citations: FR2662089,

0) US3709490A – PLAY, SPORTS AND TRAINING APPARATUS

24) Family number: 40970192 (US3709490A) © PatBase

Title: PLAY, SPORTS AND TRAINING APPARATUS

Priority: DE19696923992U 19690612

Family:

Publication number	Publication date	Application number	Application date
US3709490 A	19730109		00000000

Probable Assignee: PRUSS G

Assignee(s):(std)**:** PRUSS G

Assignee(s): PRUSS G DT

Inventor(s):(std)**:** PRUSS G

Inventor(s): PRUSS G DT

International class (IPC 8–9)**:** A63B59/18 A63B67/20 (Advanced/Invention); A63B59/00 A63B67/20 (Core/Invention)

International class (IPC 1–7)**:** A63B69/38

CPC: A63B67/20

European class: A63B67/20

US class: 473/425

Classification Explorer

Cited documents: US2110084, US1862044, US1282016, GB189519268, CA456645,

Forward Citations: US7749110, US6062993, US5649699, US4752070, US2009011869,

Abstract:
Source: US3709490A A highly elastic elongated connecting element is connected between two members, one of which is designed or provided with means adapted to accelerate the other member away from said one member. At least one of said members is resilient and capable of developing restoring forces and preferably capable of elastically yielding at least adjacent to a surface which is adapted to contact the other member. The connecting element is connected to the accelerating member by a swivel bearing.

0) DE2143897A1 – TEILBARE SPIELKUGEL GAME BALL PLUGGABLE (MACH...

25) Family number: 1696791 (DE2143897A1) © PatBase

Title:	TEILBARE SPIELKUGEL GAME BALL PLUGGABLE (Machine translation)
Priority:	DE19712143897 19710902

Family:

Publication number	Publication date	Application number	Application date
DE2143897 A1	19730308	DE19712143897	19710902

Probable Assignee:	MOELLER HARALD
Assignee(s):(std):	MOELLER HARALD
Assignee(s):	MOELLER HARALD 2000 HAMBURG
International class (IPC 8–9):	A63B37/00 (Advanced/Invention); A63B37/00 (Core/Invention)
International class (IPC 1–7):	A63B37/02
CPC:	A63B37/00
European class:	A63B37/00

Classification Explorer

Abstract:
Source: DE2143897A1 Patentansprueche: 1 Spielkugel, f;ir Boccia, Krocket oder andere Spiele, die teilbar ist; dadurch gekennzeichnet, dass die Spielkugel geteilt leicht und raumsparend ist und erst am Spielort mit dort vorraetigem, geeigneten Material zu fuellen ist 2 Spielkugel nach Anspruch 1; dadurch gekennzeichnet, dass die Spielkugel oder nur jeweils ene Haelfte zunaechst als wiederverwendbares Verpackungsbehaeltnis fuer iiebensmittel oder andere Artikel dient und nachdem der Inhalt verzehrt bzw herausgenomnen ist, als Spielkugel, wie Patentanspruch 1, weiterverwendet wird 3.

Machine translation: Claim: 1 game ball, f; ir bocce, croquet or other games, which is divisible, wherein the game ball split is lightweight and space–saving, and only at the venue to fill with there stock, suitable material is 2 game ball according to claim 1; characterized in that the ball game or just enes each first half as a reusable Verpackungsbehaeltnis for iiebensmittel or other items used or consumed, and after the content is herausgenomnen, as a game ball, how to claim 1, further third used

0) DE2224927A1 – SPIELEINRICHTUNG MIT MEHREREN SPIELMOEGLICHKEIT...

26) Family number: 18057834 (DE2224927A1) © PatBase

Title: SPIELEINRICHTUNG MIT MEHREREN SPIELMOEGLICHKEITEN GAME DEVICE WITH MULTIPLE GAME POSSIBILITIES (Machine translation)

Priority: DE19722224927 19720523

Family:

Publication number	Publication date	Application number	Application date
DE2224927 A1	19731213	DE19722224927	19720523

Probable Assignee: NEUHIERL HERMANN

Assignee(s):(std)**:** NEUHIERL HERMANN ; NEUHIERL HERMANN DIPL CHEM DR

Assignee(s): NEUHIERL HERMANN DIPL CHEM DR 8510 FUERTH

Inventor(s):(std)**:** NEUHIERL HERMANN DIPL CHEM DR

Inventor(s): NEUHIERL HERMANN DIPL CHEM DR 8510 FUERTH

International class (IPC 8–9): A63D3/00 A63F7/00 (Advanced/Invention); A63D3/00 A63F7/00 (Core/Invention)

International class (IPC 1–7): A63F9/02

CPC: A63D3/00 A63F7/0005

European class: A63D3/00 A63F7/00B

Classification Explorer

Forward Citations: US5011147, EP0054220,

Abstract:
Source: DE2224927A1 (Claim1) Anspruche Spieleinrichtung mit mehreren Spielmoeglichkeiten, dadurch gekennzeichnet, dass als Grundelement ein Spielbrett (1) vorgssehen ist, bei dem eine Spielflaeche (2) durch seitliche Borde –(3, 4) abgegrenzt ist und auf den Borden verteilt Rastmittel (7) angeordnet sind, in denen die Spielmoeglichkeiten bestimmende Aufbauten (8, 15, 18) auf der Spielflaeche (2) Beschleunigungseinrichtungen (26) fuer auf der Spielflaeche (2) zu bewegende Kugeln (29) und dgl.

Machine translation: (Claim1) Claims game device with several ways to play, characterized in that vorgssehen as a basic element of a game board (1), in which a Spielflaeche (2) by lateral ribs – (3, 4) separated, and on the shelves distributed locking means (7) are arranged, in which the play opportunities–determining structures (8, 15, 18) on the Spielflaeche (2) acceleration devices (26) for the Spielflaeche (2) 29 balls to be moved () and the like

0) IT970532A – PALLA BOCCIA DA GIOOCO CAVA CON TENENTE ZAVORRA...

27) Family number: 30169443 (IT970532A) © PatBase

Title:	PALLA BOCCIA DA GIOOCO CAVA CON TENENTE ZAVORRA MOBILE E PRESENTAN TE ESTERNAMENTE ZONE D APPOGGIO STA BILI
Priority:	IT19700030980 19701014

Family:

Publication number	Publication date	Application number	Application date
IT970532 A	19740420	IT19700030980	19701014

Probable Assignee:	SEE J
Assignee(s):(std)**:**	SEE J
International class (IPC 8–9)**:**	A63D (Subclass/Invention)
International class (IPC 1–7)**:**	A63D

Classification Explorer

0) DE2251884A1 – NEUARTIGES CURLING– BZW. BOCCIAAEHNLICHES GESEL...

28) Family number: 18153958 (DE2251884A1) © PatBase

Title: NEUARTIGES CURLING– BZW. BOCCIAAEHNLICHES GESELLSCHAFTSSPIEL

Priority: DE19722251884 19721023

Family:

Publication number	Publication date	Application number	Application date
DE2251884 A1	19740425	DE19722251884	19721023

Probable Assignee: CRISOVAN ERNST

Assignee(s):(std)**:** CRISOVAN ERNST

Assignee(s): CRISOVAN ERNST 7000 STUTTGART

Inventor(s):(std)**:** CRISOVAN ERNST

Inventor(s): CRISOVAN ERNST 7000 STUTTGART

International class (IPC 8–9)**:** A63B67/14 (Advanced/Invention); A63B67/14 (Core/Invention)

International class (IPC 1–7)**:** A63B67/14

CPC: A63B67/14 A63B2067/146

European class: A63B67/14 K63B67/14A3

Classification Explorer

Forward Citations: WO9966993, US5474293, FR2706133,

Abstract:
Source: DE2251884A1 (Claim1) Schutzansprueche:Es wird um Erteilung der Patentrechte gebeten fuer die hier nieder gelegte Neuheit Curling– bzw bocciaaehnliches GesellschaftsspielO Ein Boccia–aehnliches bzw Gurling–aehnliches Spiel mit densel ben Spielregeln, das den Vorteil der Witterungsunabhaengigkeit besitzt es kann im Freien wie im Innern, (Hallen, Gaststaetten,Hotes, Zimmern und Stuben, Klubraeumen usw.

Machine translation: (Claim1) Schutzansprueche: You are requested to grant patent rights for which there deposited novelty curling or bocciaaehnliches GesellschaftsspielO A bocce–like or Gurling–like game with densel ben game rules, which has the advantage of Witterungsunabhaengigkeit it can in the open as in Interior, (halls, catering equipment, Hotes, rooms and offices, etc. Klubraeumen

0) DE7413447U –

29) Family number: 16327657 (DE7413447U) © PatBase

Family:

Publication number	Publication date	Application number	Application date
DE7413447 U	19740905	DE19740113447U	19740418

Probable Assignee: SECK W

Assignee(s): SECK W

International class (IPC 8–9): A63D3/00 (Advanced/Invention); A63D3/00 (Core/Invention)

International class (IPC 1–7): A63D3/00

Classification Explorer

Abstract:
Source: DE7413447U (Claim 1) 1. Tisch–Boccia, bestehend aus einem Spielfeld sowie zwei durch Faerbung unterschiedenen Saetzen gleichartiger Kugeln und einer durch Groesse und Faerbung gekennzeichneten Zielkugel, dadurch gekennzeichnet, dass das Spielfeld Tischflaechengroesse aufweist und eine Ablaufvorrichtung daran befestigt ist.

Machine translation: (Claim 1) 1 Table Bowls, consisting of a playing field, plus two sets of similar coloration differences balls and a target marked by size and color ball, wherein the game field has Tischflaechengroesse and a drain device is attached to it.

0) DE7428857U – KUGELBAHNSPIELGERAET

30) Family number: 16416894 (DE7428857U) © PatBase

Title: KUGELBAHNSPIELGERAET

Priority: DE19740028857U 19740824

Family:

Publication number	Publication date	Application number	Application date
DE7428857 U	19751211	DE19740028857U	19740824

Probable Assignee: SPULING A

Assignee(s): SPULING A

International class (IPC 8–9): A63D1/02 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7): A63D1/02

Classification Explorer

Abstract:
Source: DE7428857U (Claim 1) 1, Kugelbahnspielgeraet mit einer Kugelbahn fuer die Spielkugeln und mit einer an deren Ende geneigt angeordneten Ringscheibe mit mehreren konzentrischen Ringkanaelen und einem Ringzentrum, je zur Aufnahme von Spielkugeln, wobei mindestens das Ringzentrum eine Durchfalloeffnung fuer die Spielkugeln und hinter der Durchfalloeffnung auf der Rueckseite der Ringscheibe einen Kugelfang aufweist und wobei eine mit einer Steigungsschraegflaeche versehene Schwelle am Ende der Kugelbahn in einem relativ zu der Ringscheibe einstellbaren Abstand angeordnet ist, dadurch gekennzeichnet, dass die Ringscheibe (1) angelenkt an ihrer Rueckseite einen Stuetzbuegel (25), ein mit Randleisten (23,'23a) versehenes Ablaufbrett (16) trapezfoermiger Gestalt und zwischen beiden ein–und aufklappbare Distanzschienen (5) mit mehreren im Abstand voneinander angeordneten Loechern (30) zur Festlegung des Abstandes der Ringscheibe (1) zur Schwelle (3) aufweist.

Machine translation: (Claim 1) 1, Kugelbahnspielgeraet with a bullet train for the game balls and one at the end arranged annular disc inclined with several concentric Ringkanaelen and a ring center, depending on the inclusion of game balls, at least the center of the ring one Durchfalloeffnung for the balls and behind the Durchfalloeffnung on the back of the washer has a ball catcher and is being arranged relative one Steigungsschraegflaeche with a provided threshold at the end of the bullet train in to the washer adjustable distance, wherein the annular disc (1) hinged to its back side a Stuetzbuegel (25), one with edge strips (23, '23a) marked draining board (16) trapezoidal in shape and between both single and hinged spacer rails (5) for having a plurality of spaced holes (30) for determining the distance of the annular disc (1) threshold (3) exhibits.

0) DE7604836 U1 –

31) Family number: 16487107 (DE7604836 U1) © PatBase

Family:

Publication number	Publication date	Application number	Application date
DE7604836 U1	19761028	DE19760004836U	19760219

Probable Assignee: CORING WALTER

Assignee(s):(std)**:** CORING WALTER ; CORING WALTER 4600 DORTMUND

International class (IPC 8–9)**:** A63B37/02 (Advanced/Invention); A63B37/02 (Core/Invention)

International class (IPC 1–7)**:** A63B37/02

Classification Explorer

Forward Citations: USD541698, US7455296, DE102004050780, DE102004050780,

0) DE2538035A1 – SPIELGERAET ZUM SPIEL MIT KUGELN, MURMELN, BAEL...

32) Family number: 2454431 (DE2538035A1) © PatBase

Title: SPIELGERAET ZUM SPIEL MIT KUGELN, MURMELN, BAELLEN ODER DERGLEICHEN TOY TUBE FOR GAMES WITH BALLS OR MARBLES – HAS CURVED TUBULAR HANDLE AND ROLL WAY FOR DIRECTING BALLS AT TARGETS

Priority: DE19752538035 19750827

Family:

Publication number	Publication date	Application number	Application date
DE2538035 A1	19770310	DE19752538035	19750827

Probable Assignee: SCHWAHN HERMANN

Assignee(s):(std)**:** SCHWAHN HERMANN

Inventor(s):(std)**:** SCHWAHN HERMANN

International class (IPC 8–9): A63F7/28 (Advanced/Invention); A63F7/00 (Core/Invention)

International class (IPC 1–7): A63F7/10

CPC: A63F7/28 A63F2007/282 A63F2007/286 A63F2007/341 A63F2250/18 A63F2250/483 A63F2250/485

European class: A63F7/28 K63F7/28B K63F7/28D K63F7/34P

Classification Explorer

Forward Citations: US5431398, FR2712504, FR2416703,

Abstract:
Source: DE2538035A1 Patentansprueche (i)SpieLgeraet zum SpieL mit Kugeln, Murmeln, Baellen oder dergleichen, ge kennzeichnet durch einen etwa stabfoermig langgestreckten, um seine Laengs achse gebogenen, eine etwa rinnenfoermige und im Querschnitt etwa halbkreis foermige Rollbahn (13;113) fuer die Kugeln (11; 111), Murmeln, Baelle oder dergleichen bildenden Rollbahnteil (12;112), der an einem Ende mit einem Griff– und Halteteil (14; 114) zu seiner Handhabung und Fuehrung von Hand verbunden ist, wobei der Griff– und Halteteil (14; 114) und/oder der ge bogene Rollbahnteil (12; 112) etwa im Bereich des Griff– und Halteteiles eine Zugabeoeffnung t16) aufweist, ueber die die Kugeln (11; 111) Murmeln, Baelle oder dergleichen einfuehrbar und der Rollbahn (13; 113) zufuehrbar sind, und wobei am dem Griff– und Halteteil (14;114) gegenueberliegenden freien Ende des gebogenen Rollbahnteiles (12; 112) eine die Kugeln, Murmeln, Baelle oder dergleichen nach Durchlaufen der gebogenen Rollbahn (13; 113) unge hindert freigebende Ausgabeoeffnung (15; 115) vorgesehen ist 2. The tubular toy is used for games involving a number of balls or marbles. It consists of a straight tubular hand grip (14) which also serves as a ball holder, and a curved tubular roll way (12). At the lower end of the hand grip is a hole (17) through which a finger is inserted to hold back the balls (11) in the holder (14). The holder is filled by the balls through an opening (16) at the top of the handle (14) or through the finger hole (17) or through the outlet hole (15) at the end of the rollway (12). By removing the finger from the finger hole (17), the balls are allowed to roll down the roll way (12) which directs them towards a target such as a number of gates of different score value. The toy can be used in a room, on the street, in the garden or anywhere with a flat surface.

0) DE7632921U1 – TISCH–SPIELGERAET TABLE PLAYING EQUIPMENT (M...

33) Family number: 16517707 (DE7632921U1) © PatBase

Title: TISCH–SPIELGERAET TABLE PLAYING EQUIPMENT (Machine translation)

Priority: DE19760032921U 19761021

Family:

Publication number	Publication date	Application number	Application date
DE7632921 U1	19770317	DE19760032921U	19761021

Probable Assignee: LEONHART XAVER

Assignee(s):(std)**:** LEONHART XAVER

Assignee(s): LEONHART XAVER 8381 HARBURG

International class (IPC 8–9)**:** A63F7/06 (Advanced/Invention)

International class (IPC 1–7)**:** A63F7/06

CPC: A63F7/06

Classification Explorer

Abstract:
Source: DE7632921U1 (Claim 1) 1. Tisch–Spielgeraet in Form eines auf Fuessen stehenden Kastens mit dem Aussehen eines langen, rechteckigen Tisches, gekenn– zeichnet durch breite, von innen aus teilweise und ganz nach oben schwenkbare Klappen (4,5) an den Stirnseiten eines Kastens (1), sowie eine umdrehbare und schraeg stellbare, bis an die Innenlaengsseiten der Klappen heranreichende, ebene'latte (10), die an den Laengsseiten feste (11), an den Stirnseiten austauschbare (13,14, 21 bis 24) federnde Banden besitzt und auf Querstegen (35,36) in der Naene der Stirnseiten der Platte aufruht. (Claim 1) 1. Table playing equipment in form of a box with the appearance of a long, standing on feet, rectangular table, gekenn draws by broad, from the inside out partly and completely upward tiltable flaps (4,5) at the faces of a box (1), as well as a turnable and diagonally placable, near–handing, ebene'latte (10), to to the interior long sides of the flaps, those at the long sides firm (11), at the faces exchangeable (13.14, 21 to 24) springy with springs gangs possesses and on traversing gene (35,36) in the Naene of the faces of the plate up–rested.

0) DE7826690U1 – AM GUERTEL ZU TRAGENDE HALTERUNG FUER KUGELFOER...

34) Family number: 16281938 (DE7826690U1) © PatBase

Title: AM GUERTEL ZU TRAGENDE HALTERUNG FUER KUGELFOERMIGE GEGENSTAENDE, INSBESONDERE TENNISBAELLE AT THE BELT BASIC MOUNTING PLATE FOR SPHERICAL ARTICLES, IN PARTICULAR TENNIS BALLS (Machine translation)

Priority: DE19780026690U 19780908

Family:

Publication number	Publication date	Application number	Application date
DE7826690 U1	19781221	DE19780026690U	19780908

Probable Assignee: FILDAN GERHARD

Assignee(s):(std)**:** FILDAN GERHARD

Assignee(s): FILDAN GERHARD 7250 LEONBERG

International class (IPC 8–9): A45C11/24 (Advanced/Invention); A45C11/00 (Core/Invention)

International class (IPC 1–7): A45C11/24

Classification Explorer

Abstract:
Source: DE7826690U1 (Claim 1) 1. EMI6.1 Schenkel jedes Buegels (1, 2) voneinander kleiner ist als der Kugeldurchmesser. (Claim 1) 1. EMI6.1 thigh of each handle (1, 2) from each other smaller is than the ball diameter.

0) DE7905901U1 – KUGELSPIEL BALL GAME (MACHINE TRANSLATION)

35) Family number: 16356606 (DE7905901U1) © PatBase

Title: KUGELSPIEL BALL GAME (Machine translation)

Priority: DE19790005901U 19790303

Family:

Publication number	Publication date	Application number	Application date
DE7905901 U1	19790809	DE19790005901U	19790303

Probable Assignee: ERZMONEIT HORST

Assignee(s):(std)**:** ERZMONEIT HORST

Assignee(s): ERZMONEIT HORST 2141 KUTENHOLZ

International class (IPC 8–9): A63F7/06 (Advanced/Invention); A63F7/00 (Core/Invention)

International class (IPC 1–7): A63F7/06

Classification Explorer

Forward Citations: EP0054220, EP0016309,

Abstract:
Source: DE7905901U1 (Claim 1) 1. Kugelspiel mit einem Kugelrollfeld und einem Spielfeld, gekennzeichnet durch eine das Kugelrollfeld aufweisende Spielplatte, die an einer Seite eine das Kugelrollfeld begrenzende Kugelumlenkflaeche (Fig. 1 E, Fig. 8 F) aufweist und eine die Kugel hemmende Abgrenzung fuer das Spielfeld (Fig. 1 D, Fig. 8 H) an der der Kugelumlenkflaeche gegen– ueberliegenden Seite der Spielplatte.

Machine translation: (Claim 1) 1 Ball game with a ball field and a playing field, characterized by the ball field containing LP, which has on one side, the ball field limiting Kugelumlenkflaeche (Fig. 1 E, 8 F) and the bullet–resistant demarcation for the playing field (Fig. 1 D, 8 H) at the Kugelumlenkflaeche–against opposite sides of the playing board.

0) EP0016309A1 – BALL–GAME. KUGELSPIEL. JEU DE BOULES.

36) Family number: 1769242 (EP0016309A1) © PatBase

Title: Ball–game.

Priority: DE19792903239 19790129 EP19800100285 19800121 DE19803060224 19800121

Family:

Publication number	Publication date	Application number	Application date
AT751 E	19820415	AT19800100285T	19800121
DE2903239 A1	19800731	DE19792903239	19790129
DE3060224 D1	19820415	DE19803060224	19800121
EP0016309 A1	19801001	EP19800100285	19800121
EP0016309 B1	19820317	EP19800100285	19800121

Probable Assignee: ERZMONEIT HORST

Assignee(s):(std)**:** ERZMONEIT HORST

Inventor(s):(std)**:** ERZMONEIT HORST

Designated states: AT BE CH DE FR GB IT LU NL SE

International class (IPC 8–9)**:** A63D1/00 A63D13/00 A63D3/00 A63F7/00 A63F7/30 (Advanced/Invention); A63D1/00 A63D13/00 A63D3/00 A63F7/00 (Core/Invention)

International class (IPC 1–7)**:** A63B67/02 A63D1/00 A63D13/00 A63D3/00 A63F7/00 A63F7/06

CPC: A63D3/00 A63F7/0005

European class: A63D3/00 A63F7/00B

Classification Explorer

Cited documents: US3907294 A, US3039772 A, FR571928 A, DE7905901 U, DE7429914 U, DE6948671 U, DE636249 A, DE515168 A, DE510047 A, DE450846 A, DE1708148 U, AT29168 B,

Forward Citations: KR101267778, GB2340412,

Abstract:
1. A ball game comprising a game board (10, 50) provided with a ball rolling field and having a ball rebounding area on one side thereof and a playing area panel (31, 54, 130) detachably connectible to the game board (10, 50) on the side opposite to the rebounding area, characterized in that the game board (10, 50) consists of several board sections (11, 12, 13) detachably and/or articulatedly connectible to each other, of which one board section (13) is provided with a recess for the reception of the playing area panel (31, 54, 130) and another board section (11) is provided with a rebounding means (18, 51) comprising an elastically resilient elongated element (19, 63, 80, 83 to 85), preferably a rail, a resilient strap, a resiliently supported strap or the like, as a ball rebounding area.

0) IT8120704U – BOCCIA PER PESCI GIOCATTOLO.

37) Family number: 17388175 (IT8120704U) © PatBase

Title: BOCCIA PER PESCI GIOCATTOLO.

Priority: JP19800037442 19800911

Family:

Publication number	Publication date	Application number	Application date
IT8120704 U0	19810206	IT19810020704U	19810206

Probable Assignee: TOMY KOGYO CO

Assignee(s):(std)**:** TOMY KOGYO CO

Assignee(s): TOMY KOGYO CO INC

Inventor(s):(std)**:** ITAKURA HITOSHI ; YOSHIMURA MASAAKI

Inventor(s): HITOSHI ITAKURA ; MASAAKI YOSHIMURA

0) SU802854T – SHADOW DEVICE

38) Family number: 6244167 (SU802854T) © PatBase

Title: SHADOW DEVICE

Priority: SU19782621556 19780525

Family:

Publication number	Publication date	Application number	Application date
SU802854 A1	19810207	SU19782621556	19780525
SU802854 T	19810207	SU19782621556	19780525

Probable Assignee: MAILBOX R 6681 CO

Assignee(s):(std)**:** KOPYLOV ANATOLIJ P ; KOROLEV ALEKSEJ N ; KRASOVSKIJ EDUARD ; VOLOVA IRINA N ; NAUMOV BORIS V ; MAILBOX R 6681 CO

Assignee(s): KRASOVSKIJ EDUARD SU ; NAUMOV BORIS V SU ; VOLOVA IRINA N SU ; KOROLEV ALEKSEJ N SU ; KOPYLOV ANATOLIJ P SU

Inventor(s):(std)**:** KOPYLOV ANATOLIJ P ; KOROLEV ALEKSEJ N ; KRASOVSKIJ EDUARD ; NAUMOV BORIS V ; VOLOVA IRINA N

Inventor(s): VOLOVA IRINA N SU ; NAUMOV BORIS V SU ; KRASOVSKIJ EDUARD SU ; KOROLEV ALEKSEJ N SU ; KOPYLOV ANATOLIJ P SU

International class (IPC 8–9): G01N21/45 (Advanced/Invention); G01N21/41 (Core/Invention)

International class (IPC 1–7): G01N21/45

Classification Explorer

Abstract:
Source: SU802854T The invention relates to an optical instrumentation and can be used in the study of plane anisotropy gfoerachnoy not Oshor one environment. Known shadow ustrsAstva containing N source and light detector autocollimating scheme for the study of optical parameters transparent sredSch However, these devices are not suitable for determining the anisotropy of the optical parameters of the medium is measured oaiovremennom its various sections. The closest technical (LEFT WITH schnosti to the present invention is a shadow device containing multiple optical, channels, including light and shadow of the diaphragm, and on ektivy, motor, light transmitters and receivers and two portholes. Each of the optical channels of the device consists of a collimator illumination with light of a diaphragm and a lens receiving portion with a lens and aperture of the shadow. disadvantage of this device is the error izmerenv planar anisotropy coefficient of correlation: the optical parameters of the medium between different points of the space, is schimis at a predetermined distance from each other. purpose of the invention – increasing current–minute measurement plane anisotropy coefficients of the spatial correlation. Said object is achieved by the fact that the shadow ustrsDstvo additionally introduced respectively axes optical channel truncated isosceles pyramid with an even number of faces on bokovEH chnslu channels. Feachem at its base avtokollvmatsnonnoe mirror coating is applied, a reflective prism diamonds set in between the lens porthole in each of the optical channels. Fig. 1 shows the fundamental circuit 1a–shadow device; Fig. 2 – section A–A of Fig. One; Fig. 3 – section B–B of Fig. One; Fig. 4 – cross–section B–B of Fig. 3. Apparatus comprises a light source 1 (laser), the optical axis is perpendicular to the base of an isosceles truncated P {famidy 2 and parallel to the axis of the motor 3 with a truncated isosceles pyramid. The optical axis of lens 4 is also parallel to the axis of rotation of the motor 3. Optical channel disposed in the luminous diaphragm 5, a lens 6, the reflectivity prizmaromb imillyuminator 7 and 8. Svetova diaphragm 5 is within the focal plane of the lenses 4 and 6. Introduced into the device as a truncated isosceles pyramid 9 even number reflecting side faces by number of optical channel. In the optical channel corresponding preshedshemu Illuminati through 8 and reflected from two opposite side faces the light flux installed porthole 1O, diamond–shaped reflective prism 11, a lens 12, aperture 13 and the shadow l4 Mirror lens 15 is at an angle of 45 to the optical axes of the lens 14 and the condenser 16, in the focal plane which lies receiver 17. On a usvcheNI (9 th rash1obedrennoy pyramid applied ds zhoipimatsionnve mirror coating 18. Moreover luminous aperture 5 naklovesh optncheskey lens axis to 6, its first junction eerkal oa avremenno is shadow diaphragm and Mr. Boccia edge raspoZh K1e and fokalneL plane of the lens 19. 2O Mirror mirror is parallel ukaaannenu1u Nome layer. device contains two different types etticheskih ka ups: differential (Fig. 3) and avtokollimatsismnye Fig. 4) having a common source and receiver light pry. DEVICE ystvo follows. Parallel beam from the light source 1 common with potloshyu motionless truncated isosceles pyramid 2 1 rotating 3–adhesive from elektrsishigatel second isosceles truncated pyramid opisyuaet space in a circular cylindrical surface, alternating actuation of all optical channels formula. The required frequency of rotation is determined by the actual motor conditions E study or anisotropic properties of the medium. 4 lenses ray beam is focused in the plane of the light aperture 5 installed in the focal plane of the lens x 6–WWII. P (arallelny bundle of rays, which after passing through the reflective prisms diamond–shaped windows 7 and 8 passes through the test environment and falls on the ground truncated isosceles pyramid 9. differential channels in a light beam passes ravnobe {the aid, the pyramid and reflected on its side faces. parallel beam passes in the

opposite direction of the medium under study, porthole 10, diamond–shaped prism 11 and the lens 12 forms an image – voltage light aperture in the plane of the shadow aperture 13. ksndensater lens 14 and 16 form part of the diaphragm shadow neprekrytuyu izobrahsenn light–sensitive layer at the aperture of the receiver 17. autocollimating channels in the bundle of rays incident on the base of an isosceles truncated pyramid 9 th passes uchastezh mirror coating 18 on–razhaets him prsysodit back and focused in a plane passing through the leading edge of the light diaphragm 5. Part of the light reflected from the diaphragm layer ekalnogo s and 5–ass gives a mirror 20 and then to the lens 19, which together with a capacitor 16, a mirror 15, focuses to the receiver 17.Veodnorodnostey in the presence of medium–ray beams are deflected by sveyugo direction, which leads to image smeiyuniyu svetovs diaphragm 5 relative to the aperture of the shadow 13 and causes the light flux, Paducah present at the receiver 17. Offset values and the light flux variations detected in the differential and proportional avtokoplimatsionnyh difference channels and cyiUMe deviations respectively oriented first, and second passage of light through the test's environment. Discontinued electrical signal receiver 17 has the form guide replay) pulse sequence. First and posleshy impulses come from autocollimating channels. Their variable component of the deflection is proportional to the total rays passing through uchastezh environment at the front and reverse directions. The remaining pulses are eug differential optical channels, wherein ih.peremenna moiety beam deflection proportional to the difference in areas of the medium, separated by a distance equal to the base measure– rhenium in a predetermined direction. Takvm, the specific value of the pulse amplitudes is uniquely associated with a peak deviation E refractive index gradient in the medium (in the measuring points). presence of anisotropy in the test medium can be determined by statistical processing of received signals. Autocollimating second optical channel is used for kshtrol stationary process without additional device. beam rays parallel directions at the inlet and outlet of each of the optical channel is performed in the analysis plane passing through the axis of the respective channels disposed at opposite sides of an isosceles truncated pyramid, and is maintained despite the presence of some error in the angles of the truncated isosceles pyramid PRB its manufacture. Thus, truncated isosceles pyramid rotation around an axis perpendicular to the plane of the figure 2, when the error izgots laziness at base in the SE will cause deflection of the beam from a fixed position only 0,02. Drawing on base pd nobedrennoy pyramid sites with a mirror coating affords autocollimating optical channel, enabling, smiling favor the same receiver and recording equipment, improve the accuracy of control of spatial correlation coefficient. This invention allows to define a planar anizotropyuo spatial correlation coefficient in the case of elementary volumes of the medium investigated on the stamp are disposed. Consequently spaced from each other in the vibration–m 0 Formula vzobretevv Shadow device containing multiple channels sttvcheskih AkIIQchayultsi DC light n shadow of the diaphragm, and ekt about you, mirrors, motor vstochnkk S in vllyukrgaatory light receiver, characterized in that, for the purpose of measurement points ostv oloskostk prostranstvenaoy anisotropy coefficient correlation, it dopopnvts vo 0 introduced respectively axes optvcheskvh channels truncated isosceles a1famida. with chetny1 "(number otrazhayuschvh side faces on the number of channels on its base prvchem authors applied zhoplimaavov5 tion mirror finish in reflective prism diamonds set in mohzdu lens porthole in each st degrees optvcheskvh channels). Istochnvki information received during vnimanve PRB ekspergvev 1.Avtorskoe evidence CXXDP Mg 200816, cl. Q O2 V 27/14, 1966. 2.Vasilev LA Shadow methods. M. Nauka, 1968, p. 52–54 (prototva). X X,. –, IX ylX X g / A. 7 g bb Fah. S ff V V 7 th – f in 20 L F1P.

0) DE2948202A1 – ROLLGERAET, INSBESONDERE FUER SPIEL– UND SPORTZ...

39) Family number: 1839491 (DE2948202A1) © PatBase

Title: ROLLGERAET, INSBESONDERE FUER SPIEL– UND SPORTZWECKE ROLLER FOR SPORT OR GAMES – CONSISTS OF BASE WITH THREE WHEELS AT APICES OF TRIANGLE, WITH ONLY ONE WHEEL MOUNTED SWIVELABLY

Priority: DE19792948202 19791130

Family:

Publication number	Publication date	Application number	Application date
DE2948202 A1	19810604	DE19792948202	19791130

Probable Assignee: MARGARETE STEIFF GMBH

Assignee(s):(std)**:** MARGARETE STEIFF GMBH

Inventor(s):(std)**:** CORDES GERHARD ; KIRCHMANN HANS ; STRAETER FRITZ ; ZARGES FRANK DIPL ING

International class (IPC 8–9)**:** A63B43/00 A63B67/14 (Advanced/Invention); A63B43/00 A63B67/14 (Core/Invention)

International class (IPC 1–7)**:** A63B67/14

CPC: A63B43/00 A63B67/14 A63B2067/146

European class: A63B43/00 A63B67/14 K63B67/14A3

Classification Explorer

Forward Citations: FR2706133, DE4412627, DE4412627,

Abstract:
Source: DE2948202A1 Rollgeraet, insbesondere fuer Spiel– und Sportzwecke, an dessen Grundkoerper drei etwa dreieckfoermig zueinander liegende frei drehbar Laufraeder, rollen od dgl angeordnet sind, dadurch gekennzeichnet, dass zwei ollen (3) unverschwenkbar und achsparallel und eine Rolle (o) schwenkbar gelagert sind. The roller, for sport or games, consists of a base member (1) which has three wheels (3,6) freely rotating on it and located at apices of a triangle. Two wheels (3) are fixed in position on parallel axes, whereas the third wheel (6) is swivelably mounted, on a pivot axis (7) which runs obliquely downwards towards the two wheel axes. The swivel of the pivot axis is adjustable. The bottom end of the pivot axis is positioned eccentrically in a hub (9), pivotally mounted in the base member. The hub has an adjusting slot (13). The axis (5) of the pivoting wheel (6) is positioned on a fork (4) under spring (14) tension.

0) SU852550T – LOPPING HEAD

40) Family number: 6366096 (SU852550T) © PatBase

Title: LOPPING HEAD

Priority: SU19802885083 19800219

Family:

Publication number	Publication date	Application number	Application date
SU852550 A1	19810807	SU19802885083	19800219
SU852550 T	19810807	SU19802885083	19800219

Probable Assignee: TSNI PK I MEKH ENERGETIKI

Assignee(s):(std)**:** TSNI PK I MEKH ENERGETIKI

Assignee(s): TSNI PK I MEKH ENERGETIKI LESNOJ PROMYSHLENNOSTI

Inventor(s):(std)**:** BOLOTNIKOV VIKTOR V ; CHAJKIN ANATOLIJ S ; FEDOROV YURIJ M ; KOROBOV GERMAN B ; ZEPALOV YURIJ I

Inventor(s): ZEPALOV YURIJ I SU ; KOROBOV GERMAN B SU ; FEDOROV YURIJ M SU ; CHAJKIN ANATOLIJ S SU ; BOLOTNIKOV VIKTOR V SU

International class (IPC 8–9): B27G1/00 (Advanced/Invention); B27G1/00 (Core/Invention)

International class (IPC 1–7): B27G1/00

Classification Explorer

Abstract:
Source: SU852550T Invention relates to equipment forestry and wood industries, in particular the mechanisms for removing branches from felled trees. Known delimbing head comprising a base, central 1I i60iKOBbie knives having cutting edges sickle different dli.ny and mounted on double–armed podprulchinennyh–levers, each of which is set sharnirlo "and o.snova, n; i.i and risers connected to m the drive of the aperture blades 1. delimbing golov.kah In this type of actuator pidrotsilindry; arms carrying knives cutting force, continuously are in the state in which supply of pressurized fluid, which leads to heating of working fluid, resulting in the desired cooling thereof tank used by the increased volume or complexity dayuschey.sistemy cooling in general. Closest to the proposed is lopping head comprising a base, central knife, tank–rotating blades, forming together with a central "to OOWM cutting; ntur osnovalii and fortified by using double–arm levers, one end of each of which is connected to the hydraulic cylinder drive m the other end of the subspace) zhinen relatively warping 2.} In this chkoreznoy head with fixed some shortcomings of the prior delimbing heads. However, this is achieved by complicating the design, and increasing energy intensity. The purpose of the invention – to simplify the design, reducing energy consumption and ensuring retention disclosed ethanol her side at a floating position of hydraulic cylinders drive. This dost1igaets that tochka.krepleni spring to the base of the bell crank is located on a circular arc dendrite which coincides with the axis of rotation and longitudinal axis of the spring and its connection point with the lever located on the circular arc radius of the position at otkryto.m knives. Fig. 1 shows being offered lopping head open enii weeded; Fig. 2 – same, in the working position. Lopping head comprises a base / where zstanovlen central blade 2 and side 3 rotating blades, reinforced on the levers 4. S.rychagami 5 which form a single two–arm lever rigidly associated axes 6. 5 Each arm is mounted cylinder 7, which Drula KON1TSOM fixed on osnoeaiii /. Each arm is pivotally attached 5 8 spring guide 9, which the other end abuts the support 1shtoka 10 rotatably fixed to a base /. The working fluid in the cylinder 7 is fed through a distributor 11. Attachment point to the base of the spring 9 I located on a circular arc center O coincides with the pivot–arm 5. In the open position iozhey connection point or spring 9 with two–arm lever and wasps Hovhan radially around said arc okruzhiosti or near thereto. delimbing head operates as follows. for open side knives 3 pa boccia lsidkost through the distributor 11 is supplied to the hydraulic cavity schtokovuyu | OH ilindra 7 (shown in Fig. 1 schematically shows one cylinder). Hydraulic cylinder 7 via the levers 5, 6 and the axis of the arms 4 diluted lateral knives 5. Thus the spring 9 is compressed. When the head is opened, valve 11 is positioned in the neutral position and lidrotsilvndry (. KonstruktiBio maybe one hydro / cylinder) end up in the floating position. Axle with spring 9–axis crosses the doors uplechego–lever and therefore not willing to spring | Its close side knives. Side 3 knives will also not–for kryvats if spring 9 will create torque in–side, opposite closed knives. After downloading tree lopping head hydraulic fluid is directed into the valve piston cavity gidrotsil.iidrov 7. Once side knives 3 will smykats springs 9, acting on the Two–armed growled will close textil knives 3 (see Fig. 2). Raovredelitel 11 is transferred to the middle position, cylinders 7 end up in the floating position, side blades are pressed 3, the trunk of the tree to be treated normally spring 9. This arrangement delimbing head permits during drawing the tree turning cylinders 7 or umenschit or increase the contact pressure–knife against a tree trunk. This is important when processing iskrivlennnk sections of tree trunk or trunk sections with Drula E–surface defects. Furthermore, when the delimbing and zagruaki tree delimbing head no flow of working fluid in the hydraulic system, ie, in this case isklk chaets energy consumption. claims lopping head comprising a base, central knife–side rotating blades, forming together with schentral ethyl p–nozho.m ezhuschy circuit and fortified by using double–armed oanovanii rgchagov, one end of each of which is connected with or

lidrots | NDro.m drive and the other end is biased relative to the base, characterized in that in order to simplify the design, reduce enerloemkosti and provide retention disclosed bokovyh.nozhey n–ri–floating position otsili1ndrov hydraulic drive, double–arm attachment point of the spring lever–ha to located on the bottom omruzhnosti arc whose center axis of rotation sov1padaet lever and the longitudinal axis of the spring and the point of its junction with the arm are located on the circular arc radius of the open position of the knives. Sources, LIS | NYatye into account, at the examination: 1. USSR Author's Certificate number 334057, cl. In 27 L 1/00, 1971. 2. USSR Author's Certificate number 596441, cl. In 27 L 1/00, 1976 (ap–rototip).

0) SU870700T – DRILLING RIG SUPPORTING DEVICE

41) Family number: 6399957 (SU870700T) © PatBase

Title: DRILLING RIG SUPPORTING DEVICE

Priority: SU19792800719 19790724

Family:

Publication number	Publication date	Application number	Application date
SU870700 A1	19811007	SU19792800719	19790724
SU870700 T	19811007	SU19792800719	19790724

Probable Assignee: DO GPKEXI KOMPLEX MEKH SHAKHT

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International class (IPC 8–9): E21B15/00 E21B3/00 (Advanced/Invention); E21B15/00 E21B3/00 (Core/Invention)

International class (IPC 1–7): E21B15/00 E21B3/00 E21C1/00 E21C11/02

Classification Explorer

Forward Citations: US7410327,

Abstract:
Source: SU870700T Present invention relates to mining, in particular to a support device for drilling rigs. Known rig consisting of a drilling rig to the support frame, which is designed as a guide kitsih, base and expansion screw mechanism hydraulic props. Guides installed on the mobile Roethke ka, where cantilevered drilling rig G13. The disadvantage of this drilling ustanovyut is that the rise of the machine to guide nltsim and turn it at an angle to the first horizons are produced manually. The closest to the invention a supporting device l drilling machine comprising a positioning assembly with the guide, the base, the spacer struts and the mobile carriage, and turret casing with locking latches of variable frames and the swivel head 22. Its disadvantage is the complexity of design. The aim of the invention is to simplify the structure of the device. Dp this support device has cylinders for indexing carriage by distance columns, gear sleeve, coupling with internal and external teeth, rotary gear Wallpapering with the heads t E, with gear sleeve rigidly zakreppena axis turret and through the coupling half kinematically associated with one of the rotary gear cages, one of which by means of the handgrip and alternating along the length of the lever is fastened to the carriage, and the other is pivotally fastened to the through–py be the housing gkdrotsilindra indexing carriage, placed in a support which is mounted on its housing. In addition, the turret rigidly zareplen T–way lever with a spring–loaded detent lock m for connecting it with the case. FIG, 1 is a reference word roystvo placed on it with the drilling machine; on 4mg. 2 – section A–A in Fig. I; Fig. 3 – view B in Fig. 2. Support device consists of a mounting assembly having a base with spacer studs J – 2 and directs hydraulic jacks yuschi 3, which is movably mounted in the longitudinal direction of the carriage 4 and 5 bale tie. Lower end of the jacks 2 and the spacer rails 3 are cylindrical shank 6. upper ends of the guide slot 3 and 1 base for their units are equipped with cylindrical holes NM 7 shanks under 6. Through connections shank–hole assembly is provided jacks and guide base and disassembly in order to reduce the device size adjustment during transport Vaga drill machine or resized excavation height, which is set in the rig. Housing jacks interconnected zhkoy Article 8, their outside diameters equal to the outer diameter of the guide, and on stocks mustache ciency footings 9. Carriage 4 and 5 are bale tie lug 10 and the axis 12 through Pi sha Nirni coupled together with; oboj gidrotsilin ramie indexing 13 and 14. Eyelet l 1 tie rods 5 is rotatable around the longitudinal axis of the guideway 3 Nenni after disconnecting it from the hydraulic cylinder 13, and the empty cylinder armature 13 is movably mounted on a support carriage 15. Thus, with purpose of eliminating the hydraulic cylinder 13, a three–point sealing lug 11 is provided with a longitudinal hole in the horizontal direction by 16 os.12. The guide 3 has openings 17 for alternately locking the carriage 4 on which tie–rods 5 and using it shkvo 18. Central hole in the carriage 4 to rotate about its axis 19, a turret mounted on axle 20 which is rigidly fastened on the L–arm 21 Raanu with spring retainer 22 and retainer 23, as well as gear sleeve 24. toothed sleeve 24 is movable longitudinally through the coupling half 25 with internal and external teeth and shortening alternately mended 26 cinematically binds with scalloped yokes 27 and 28 are mounted in an insulated housing 29, zatsentrirovan which relative to the axis 20 of the turret and being rotatable around it. Izoirovanny housing unit 29 eliminates clogging by cuttings gear couplings and provides its lubrication. Serrated clip 27 ECTS installed in the housing 29, which is equipped with ruko Tew 30 pivotally connected through a variable along the length of the arm 31 and the nut 32 with lugs 33 of the carriage 4. Length arm 31 varies due to its threaded connection with a nut 32, handgrip 30 is with respect to the vertical longitudinal bore 34 through which the shaft 35 is connected to a lever 31. longitudinal hole allows rotation korInyca Tew 29 with the heads 30 when the length of the lever 31. toothed clip 28 mounted in the housing 29, pivotable relative to it and around its axis 20 is equipped with a turret and Tew ruko 36, by which it is

hinged through a shaft 37 is coupled with the housing cylinder 13. handgrip 36 is formed with a longitudinal bore 38 under the shaft 37, providing rotation of cage 28 about axis 20 during longitudinal movement of the turret housing cylinder X 13. To provide a rotary movement of the handgrip 36 with housing 28 housing 29 is provided with a groove 39.In addition, the housing 29 has openings 40 for the stopper 22, the location of which binds to HC clips positioned teeth 27 to facilitate interconnection with the stopper 22. Mounted on the turret 19 (} iksatory 41 and 42 interlocked with each other two−arm lever 43. At reference the device is secured. rig 44 consisting of the feed mechanism with the frame 45 and hydraulic jack 46 and the spinner 47. machine 44 frame 45 mounted in the turret 48 directs kschih 19. When locking clamp 19 on the turret 42 of the spinner 47 relative to the support device 46 moves hydraulic jack mechanism feed the machine. When you commit on the turret 19 fnksatoIpoM patM 41 45 5 relative to the reference device hydraulic jack 46 moves and can produce rotational drilling. supporting device works as follows. supporting device with fixed and placed it at the base of the machine 1 will rovym set in mines and rec help jacks 2 and 3 of the guide is secured between the soil and the top of the development. To gidrotsilindram.13 and 14 is supplied pa boccia fluid and the carriage 4 set out by a turret 19 drilling rig is moved up 4 rails 3 with respect to the bearing against schkvorni tie rods on the stroke of 5 Hydrojacks Comrade. After selecting the stroke of hydraulic cylinders 13 and 14, the carriage 4 is fixed guides n 3 mi its kingpin 18. 5 Ack bale tie is drawn cylinder 13 and the carriage 14 is secured shkvor N E 18 to a new position on the guides 3. Then the carriage 4 with the drilling machine 44 in a similar manner under nimaets up the guide to the desired height of the drilling rig to the place of drilling a well. Channels for supplying a working fluid to the hydraulic cylinder 14 transition kryvayuts, I3 cylinder is disengaged from the lug 1) tie rods 5 and the straight uschina 11 rotated by an angle around the axis of the kytsey brazom 3 so to not interfere with the displacement of the hydraulic cylinder housing 13 downward. The position of the carriage 4 with the drilling machine 44 is held constant relative to the guide 3 with 18 pins, tie−rod cylinder 5 and 14. Coupling half 25 the handle 26 is moved to the leftmost position and provides a kinematic linkage turret drilling machine 44 through the axis 20 toothed sleeve 24, the clip 27, the housing 29 and handgrip 30, the lever 31 and the nut 32 with the carriage 4. then working liquid in the cylinder piston nevuyu cavity 13 is carried his body moving in krayneee lower position while turning in single clip 28 ruko Tew 36 at an angle i with respect to the housing 29. coupling half 25 vodits transferred to the rightmost position, providing a kinematic linkage turret 19 with the drilling machine 44 through the axis 20, the toothed sleeve 24, and 28 mu oboy0 handgrip 36 hydro cylinder housing 13. Zh1gdkosti When submitting work to the rod end of the hydraulic cylinder I3 his body moved to the upper position and turns up at an angle d lever 36 to the yoke 28, coupling 25, gear sleeve 24, the turret 19 and the drilling machine 44. before turning the machine on an angle d. s.topor 22 must be removed from engagement with the body 29. I If the angle is greater than the angle of drilling wells d, then step on the rotations that the machine is carried out for several switching unit switching gear couplings and hydraulic cylinder 13. If rig for drilling wells podgotavlivaets from horizontal down. then turn the machine on the corner movement is effected cylinder housing 13 down at the rightmost position of the coupling half 25, and idling − the movement of the housing cylinder 13 up at the far left of the coupling half coupling half 25 25.Sovmeschenie teeth with cavities 27 and 28 clips when moving coupling half is provided to the left or right cylinder 13 offsets at low offsets (not more than half of the tooth thickness) clips 28. In case the machine is set to a desired drilling angle, and the cavity holder 27 is not aligned with the teeth of the coupling half 25, the nut 32 is rotated and through its threaded connection with the lever 31 is rotated body 29 to the yoke 27 as well by an amount not prevyshakmtsuyu half the thickness of the tooth, and the coupling half 25 is switched to the left polozheane. It should be noted that when switching to the left half−clutch vpravo.ili optionally provides an interlock between the two clips 27 and 28 so as gently oboj passes from one to another, which prevents the involuntary change the position of the machine by the angle to the horizontal. For unloading the gear couplings of dynamic loads during drilling turret 19 through the lever 21, Stoor 22 with lock 23, the housing 29 and ychag 31 is rigidly attached to the carriage 4. After installing the machine on trebueye height and angle drilling gidrotsiindr 13 newly connected to a prouschioy F tie−rod 5, and its underwater Kaal overlap. Setting the desired position relative to the machine displacement is produced downhole of the machine relative to a reference device using retainers 4) and A2.Lock locks the rotator 42 47 44 drilling rig on the turret 19, guide 46 is provided rodomkratom move schenie frame 45 of the feeder to the bottom or from the device relative to the support until the desired position in the development of the machine. Then lock the frame 45 to 41 stoporits turret rotator 47 and the machine is rasstoporiva prepared to conduct drilling operations. Preparing a machine for dismantling and shifting is performed in reverse order. Suggested supporting device allows to mechanize ITATION ancillary operations for the machine to conduct drilling operations and shifting to a new location: the raising and lowering the vertical angles required for installation and shifting of the culling and from it. Formula I. The support device of the invention drilling rig, including mounting assembly with the guide, base spacer struts i.podvizhnoy carriage chassis and turret with clamps AC stoporeyi frame and spinner 8 drilling rig, featuring th that in order to simplify design, the device has cylinders for indexing by ka−Roethke raspornm racks, gear sleeve, coupling with internal and external teeth, serrated rotary cage with the heads t E at ztom gear sleeve rigidly secured to the turret axis and through the coupling half kinematically linked with a pivoting toothed clips, one of which by means of the handgrip and alternating along the length of the lever is fastened to the carriage, and the other is fastened pivotally with the handgrip through the cylinder housing stepper ne displaced carriage placed in the bearing, which is mounted on its housing. 2. Apparatus according to claim 1, and L t of chayuschees that is rigidly fixed on the turret T−shaped retainer and a riag sprung detent for connection with the housing it. Sources of information received into account in the examination 1.Bratchenko BF etc. maschina and equipment to carry out the horizontal and inclined mine expression: botok. Moscow, Nedra, 1975, p. 140−144. 2.Avtorskoe USSR certificate number 604982, cl. E 21 C 11/00, 1976 (prototype).

0) SU877105T – FUEL INJECTION CONTROL APPARATUS

42) Family number: 6413002 (SU877105T) © PatBase

Title: FUEL INJECTION CONTROL APPARATUS

Priority: SU19802878605 19800201

Family:

Publication number	Publication date	Application number	Application date
SU877105 A1	19811030	SU19802878605	19800201
SU877105 T	19811030	SU19802878605	19800201

Probable Assignee: KH POLT I IM V I LENINA

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Inventor(s):(std)**:** BORISENKO ANATOLIJ N

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International class (IPC 8–9): F02M51/02 F02N3/00 (Advanced/Invention); F02M63/00 (Advanced/Non–invention); F02M51/02 F02N3/00 (Core/Invention); F02M63/00 (Core/Non–invention)

International class (IPC 1–7): F02M51/02 F02N3/00

CPC: F02M51/02 F02M2200/20

European class: F02M51/02

Classification Explorer

Abstract:
Source: SU877105T ... – The invention relates to fuel internal combustion engine equipment RAAI, as well as to the electronic control system fuel equipment. Known fuel injection control device comprising: an angular velocity sensor of the motor shaft, uncontrolled emy pulse shaper, a trigger down counter, the AND gate, the pulse generator and the output of the circuit block Hjprichem angular velocity sensor formed as first and second coils, installed at the shaft, and a permanent magnet placed on a shaft, wherein, the second coil through uncontrolled emy generator bonded to a trigger input for setting its state to zero, the forward and inverted outputs of the flip–flop are connected respectively to the adder and subtractor tire down counter outputs straight binary cells were obtained which connected to inputs of AND gate fl 3Izvestnye devices have retarded residue, consisting in the fact that it my realizable linear variation of fuel injection advance angle as a function of the angular velocity of the shaft often affords at each speed mode at predetermined x values duration injection parameters and air zasasshaemogo maximum power diesel, as maxima of the curves zavisimosti.effektivnoy power of injection advance angle at a fixed value x speed in most cases do not lie in a straight line | on a curve. Furthermore, when a constant speed operation, the diesel injection advance angle is constant regardless of the load, which is also a drawback of the device. These drawbacks are associated with constant nstvom duration of the output of driver associated with the input trigger to set it to a single state, and the lack of feedback or downloading dezemoschnosti object of the invention – efficiency. Said aim is achieved in that the device further includes a controllable us for1 shrovatel pulse sensor power generator harmonic signal, reference voltage source zhe.i, fazosdvigakntsee Device and transformation performed in the form of a filter block multiplication, integrator and adder connected series and connected between the power sensor and the source of the reference voltage, the harmonic signal generator turnkey through a phase shifter to the block–multiplication, and neposre tively – to the adder, St. fied with a controlled pulse shaper straight output is connected to the trigger input for setting it into a single state and negated bus reset to the zero state of the counter, the input of which is coupled to the pulse generator. i In Fig. 1 is a block diagram of the device of Fig. 2 dependence of the effective power of the diesel fuel injection advance angle and timing diagram of the control and output signals. The apparatus 1 comprises a sensor of the angular velocity of the engine shaft 2 formed in the form of two coils 3 and 4 are installed at the shaft, and the permanent magnet 5 disposed on the shaft 2. Coil 3 is connected to the input of the controlled pulse shaper 6, a direct output of which is connected 7 with the input of a trigger for setting it in a single state, and the inverted – with a bus reset to the zero state of the counter 8. Katu 4 Straight through uncontrolled emy pulse generator 9 is coupled to the input of flip–flop 7 so as to fix it to the zero state. Output pulse generator 10 is connected to an input of the counter 8. The straight binary outputs of the counter cells are connected to the inputs of eight AND circuits output of AND gate 11 is connected to vhodu.odnovibratora 12 whose output through an amplifier 13 coupled to the solenoid valve 14, the diesel genera4 Thorpe 15. Exit 16 d.ggchika mogiiostn diesel generator 15 Cheremi filter 17 is zan.s first input 18 multiplication. Yield geierato.ra harmonic signal 19 is connected to the first input of the adder 20 and via the phase shifter 21 is coupled to the second input of the multiplication unit 18. Multiplying the output of the block 18 via the integrator 22 is coupled to a second input of adder 20. Third input 20

of the adder 23 is connected to a source of reference voltage, and an output – to the control bus controlled pulse shaper 6. Vc; ory works as follows. Consider first the operation of the device in the absence of a harmonic signal generator. Assume that rotation of the shaft 2 extends through the piston top dead point. In this case, the magnet 5 passes near the coil 3 and its variation due to the terminals of its windings penetrating magnetic flux occurs a voltage pulse applied to the input controlled pulse shaper 6. On the forward outlet controlled by pulse shaper 6 is edinichnsh pulse whose duration is the task time and timing are determined by the value of the voltage on the control yuschey.shine this shaper.Since a harmonic signal generator 19 until expelled from the circuit, the output signal of the adder 20 is the sum of output voltages of the integrator 22 and the reference signal source 23, the output of the phase shifter 21 is zero, the output of multiplying unit 18 is also zero, and the output signal Integrator 22 is constant in time. The signal at the output of adder 20 is constant in time and the duration of the output pulse controlled pulse shaper 6 is constant, i.e. permanently job lead time of injection. Simultaneously with the identity signal on the forward current output controlled formiroyatel 6 ustanavlivayu1dim trigger pulses and 7 in a single state at the inverted output of the zero current signal shaper, dropping down counter 8 to zero state. After completion deystnp zero signal on bus reset the zero state of the counter 8 starts data recording in the counter which has already been transferred to the single adder mode signal output from the forward flip–flop 7 with the pulse generator 10. Recording continues until the information. the arrival of the diesel piston at bottom dead center. When the piston passes through this point, the magnet 5 passes near the coil 4; as shaft prvora chivaets half turn. At the same time due to the change of the magnetic flux through the coil windings 4 and clamps on her is a voltage pulse applied to the input inelastic AVL emo g of pho rmir s 9 am eating impulses. Single pulse shaper neuprav l emogo 9 sets pulses trigger 7 in zero state, and a single signal with an inverted output trigger 7 8 takes down counter mode subtraction. When moving piston of the engine from the bottom to the upper dead point is read in a previously recorded information down counter 8 pulses of the same frequency sequencers that record. With full information is read all the bits of the counter 8 reverb sive end up in the zero state and all the inputs of an AND gate 11 are at zero signal at the output of the AND circuit 11 is maintained zero signal that prisutstvova earlier due to hot action on one input of this zero signal circuits. When the next pulse from the output to the input pulses generatora.10 reversible counter bits in all its transition into the unit tion state, all the inputs of the AND circuit 11 simultaneously signals are isolated, so that at the output of this circuit de is also tion signal is unity. With the arrival of the next pulse in the reversible counters 8 Single Jr. its discharge becomes zero state, one of the inputs of the AND circuit I 1 edinichnsh signal disappears, whereby a unified boundary disappears and the output signal of this circuit Emerged output of AND gate 11 single pulse front frontomoprokidyvaet–shot 12, the impulse duration kotorog determines the fuel injection duration. After amplification gain power amp model 13 pulse 56 is applied to the coil of the solenoid valve 14 opens it. Proiskhodit.vprysk fuel into a cylinder diesel generator 15. Upon completion of the fuel injection pulse is terminated. As recording and schitshanie information down counter 8 pulses are performed one repetition rate during recording of a number of power vremeni.ego reading. Since a single pulse at the output of the AND circuit 11 is not at the time to complete reading of the number down counter 8 and to the interval of time equal to the pulse repetition period pulse generator 10 and later, the time interval from the moment of completion of the output pulse shaper controlled 6 pulse to the start of an uncontrolled output pulse shaper 9 pulses (since the arrival of the piston at bottom dead center, equal to the time recording, It appears the amount of output pulse repetition period of the pulse generator 10 is less than the time from the arrival of the piston In the lower dead point to the start of injection fuel. Therefore, if within one revolution of the shaft 2 its angular velocity is constant, which corresponds to the equation of time intervals of the piston from the upper dead point to the bottom and vice versa, the actual time of injection timing equal to the difference of half period of the rotation shaft 2 and the time interval from the moment of arrival piston at bottom dead center to start mo.menta injection follow–up period by the amount of output pulse generator 10 pulses kenshe specified lead time equal to the difference between the half–cycle of rotation of shaft 2 and the recording time down counter 8. As the injection timing a predetermined time equal to the duration of the output pulse –controlled pulse shaper 6, and the frequency of the output pulse generator 10 pulses are constant, the actual lead time injection well permanently. The actual advance angle is equal to the product of the actual injection timing at the time the angular velocity varies linearly as a function of the angular velocity of the shaft 2. Now consider operation of the device in the presence of a harmonic signal generator 19.Let output harmonic signal generator 19 varies according to the law Vj. Vjj. S i n c; t, where VQ – amplitude of the signal, W–circular. frequency signal, t – time. Then, the voltage on the control bus controlled pulse shaper 6, vuodnomu equal to the voltage adder 20 is determined by an expression Vj.. V V Vosin CW t, Since the duration of the output pulse shaper 6 controlled pulses proportional to the voltage on its control guide rail, the last expression it follows that the duration of the frequency ranges with tjf in accordance with the voltage VQ–sin tftj t relative to the average value determined by the term Vy, Vj. Because setting time injection timing is dlitelnoctto output pulse shaper controlled 6 pulse and injection advance angle job – product assignments advance angle na.uglo vuyu speed shaft 2, the reference injection advance angle steady speed mode diesel generator 15 is also changed is in accordance with the components poslednego.vyrazheni assume that in this moment of time Meni the output voltage sz mmatora 20 found to be such that the job–injection advance angle is equal to. Fig. 2 shows the curve AasV dependence of the effective power of the diesel from the fuel injection advance angle, this case corresponds to a point. Abscissa of the point is defined as the sum of the output voltages source 23 GRO tion signal and the integrator 22, and the ordinate of the point determines the average effec tive power diesel at Danno injection advance angle value. Changing jobs advance angle with respect to the mean value (C) has a frequency of W and amplitude determined by the amplitude of the output of the generator 19 B Nala harmonic signal and transmission coefficient controlled pulse shaper 6 owls. These vibrations cause the corresponding angle oprezheni oscillation power efficiency of diesel engines at the same duration of the fuel injection. The frequency of these oscillations is also equal to (A}, the amplitude is determined by the value of the derivative dNg / d, and phase – the sign of this derivative and the inertia of the diesel. Increasing the derivative dNg / dS on the part of the curve oscillation amplitude aah efficient diesel power with respect to point hLa increases with decreasing – falls. If negligible inertia channel the diesel power control by changing the injection advance angle oscillation phase effective power around the mean value coincides with the phase advance angle fluctuations around the average value, if the operating point of the diesel is on the upstream

branch of the characteristic NQ f (0) (case in point danyom a) or shifted relative to the oscillation phase advance angle on the operating point of the diesel if (as, for example, point c) lies on the descending branch of the characteristics Ng f (. and). If zametnry inertia channel controlling the effective power for the diesel By varying the injection advance angle phase shift between the oscillation of the angle and the effective power is always present, but its value depends on the position of the operating point on the characteristic of the diesel Ng – f (and) (on the upstream or decreasing branch is operating point).. i.. I. Let a control entity is a diesel generator with a noticeable lag channel regulirots anisotropy power by varying the injection advance angle. In this case, the electrical output of the sensor 16 mrschnosti diesel generator 15 has a DC component proportional to the mean value of the effective power (Fig. 2), and a variable frequency component (A) whose phase lags the phase of the output signal of the harmonic generator 19. Filter 17 generates a sinusoidal signal with a frequency coinciding with the frequency variations of the output signal of the sensor 16 output, and the amplitude determined by the amplitude of the output signal of the power sensor 16, i.e. W Eo–sin (t – (/), where kt–complex frequency response of the filter 17, E – amplitude of the output signal of the filter 17, W – phase shift due to the inertia of the channel controlling the efficient diesel power by changing the injection advance angle and lag filter 17. lagging any sensor 16 in the channel capacity and adjusting the duration of the output pulse shaper control 6 pulses by changing the control voltage present yu not are taken into consideration in view of their smallness compared with nazvanni and higher inertial mi. output of filter 17 Received a first input unit multiplying 18, a second input which post Paet sinusoidal signal with a yield Vy yes phase shifter 21. The input phase shifter 21 receives a sinusoidal signal generator 19 harmonic signal phase shifter 21 is ensured phase shift of the signal relative to the phase of the signal Vy V | – the same angle the filter 17 and the channel effective regulatory policy diesel power by changing the advance angle taken together, that is at an angle, so. sin ((| jt – f), i–where k – transmission phase shifter 21.Signal Vg output unit 18 is equal to the product of multiplying the input signals V, and V is determined by the expression zheniem Vg – MN,, –1 Jsivi (tfi) t–W) to the,, (u) t–) (, (wb–) ––– co5C2aot–2if) JK VpEo signal Vg, consisting of d.c. and guide peremennoysostav l of double frequency is input to the integrator 22. The variable component of the double frequency is suppressed almost completely the integrator 22 and its output voltage is determined by mainly D.C. n Tsey inlet and time, i.e., v... c, DTG 2 O c – constant moiety equal at a constant of integration, in this case for the voltage on the control bus is controlled emogo pulse shaper 6, the expression c–Vosivi vt c. Since the duration of the output pulse shaper controlled 6 pulse proportsionalna.napr Proposition his control bus, from these expressions that the duration of this pulse shaper with time increases, ranging from frequency f smiling SU, and the amplitude of these oscillations Hood determined signal amplitude and transmission channel coefficient adjusting the pulse width by changing a control voltage to said bus formers. as a result, the operating point of a (Figure 2) begins to move to the right, causing a corresponding increase in the average value of the effective performance of diesel engines. Since the operating point passes through all areas of decreasing slope, the amplitude efficient diesel power is gradually reduced, and the phase shift of the oscillations relative oscillation injection advance angle remains the same. Such variations are efficient diesel power causes a corresponding change of power diesel generator 15 and the transmitter output power of 16, which is growing. hesitate smiling with frequency W, the variable component of the amplitude of the output signal of the sensor 16, power is reduced in accordance with the decrease in the amplitude of oscillations efficient diesel power and the phase variable component remains unchanged. As a result, the filter output a sinusoidal current signal 17 prior to the frequency and phase of decreasing amplitude over time. This means that the value of E (over time decreases. Resulting voltage slew rate for the control Ishna controlled pulse shaper 6 decreases over time. This reduces the rate of rise of the average value vrai injection advance and retard the movement of labor yuschemus and point to the extreme of – point b (Figure 2). At coincidence operating point with a point n Disa b efficient diesel power ranges relative to the average values of Ngb dual frequency, ie the frequency 2S1U, whereby diesel generator 15 also frequency ranges with respect to 2m average. A constant component of the sensor output signal 16moschnosti pg / oportsionalna power Ngb, and the variable component of the frequency has 2UD. output of the filter 17c this case is equal to zero, since the variable component of the double–frequency and constant moiety they are completely suppressed. As a result, the output signal multiplying block 18 is also zero, and the control signal to controllably schine pulse shaper 6 determines with the expression Vj, Vy;, VQ sin oyt s, which implies that the average value chenie injection advance angle is independent of time. Fig. 2, this corresponds to a fixed operating point of the diesel b.. Thus, if the initial period of the diesel generator 15 operating point lies to the left of the diesel, the maximum value of the effective power of diesel, ie advance angle is less than optimal fuel injection, fuel injection control device provides increased (with umenschayuscheys speed) injection advance angle to the optimum value and moving with a decreasing rate of the working point of the diesel to the extreme. When the injection advance angle becomes optim.alnym, the operating point of the diesel stops its movement and the average maximum effective power is maintained. Consider now the operation device wa when advance angle of injection at the initial period of the genset and more optimal operating point is in the diesel point s (Fig. 2). In this case, as in the earlier case, a signal such as a sine tion, harmonic signal generator 19 Nala matures oscillation vpryskg advance angle relative to the magnitude 12 and the corresponding efficient diesel power fluctuations relative to the average value Uc. Frequency coincides with the last output frequency generator 19 harmonic signal amplitude is determined by the amplitude of oscillation and the magnitude of the advance angle derivatives dNe / d Ha plot with axes and the phase – a sign of these derivatives and the inertia of the effective power control channel Disa; l by changing the advance angle | Injection. Oscillation efficient diesel power vyzshayut oscillation power diesel d eneratora, oscillation output power sensor 16 relative to the average values are proportional, and cause the appearance of the output filter 27 sinusoidal signal.For the case in question, taking into account the inertia of the channel controlling the effective power by varying the injection advance angle and the filter 17, the expression Phew Epsin (te; t – d:), where / S 180 – the phase shift between the oscillation of the effective power and injection advance angle Radiant in a diesel engine caused by a negative value dNp / d B at c. The voltage Vcp supplied to the first input of the multiplication unit 18 to the second input of which the previous signal. The output signal of the multiplication unit 18 in this case is determined by EoSw (ciut–4–Ts c05fi:–C05 (2.UJ–l–2lf–/ t) J: – KvVoEo COsC2.C ui–2 f–7S;. Signal Y, ug–j consisting of d.c. and guide structure of the variable double frequency is input to the integrator 22. moiety A variable double frequency is suppressed almost completely and

1tegratorom} 22 and its output voltage is determined LLL 1ie 13 ocHouHoM D.C. guide i input and time, ie VI CvVoEo–dt–SE: – In this case, the voltage across the control bus guide l controlled formirovate l 6 pulses is determined by the expression. Vj. –.,. c.. in accordance with such law changes iltsego control voltage output pulse duration controlled pulse shaper 6 | guide is on a mission to guide time and determines the injection advance angle hesitate to, over time, a decr. oscillation phase advance angle of injection, the frequency and amplitude remain unchanged. In whereby p boccia point with (2) begins to move to the left, causing a corresponding increase in the average present value effec tive power diesel, power diesel generator 15 and D.C. output power sensor 16 ka. Since then the working ka while moving left prohoda1T on teaching stkam a decreasing slope, the amplitude efficient diesel power, and hence the amplitude of oscillations of power diesel generator 1, and the amplitude of the variable component of the transmitter output power is decreased to 16 over time. As a result, the filter 17 output signal is a sinusoidal current with the same frequency and a decreasing amplitude C1 yes EQ. The phase of the signal remains the same as at the operating point C, since the delay in the corresponding elements of the system remains the same. In this case, according to (B), skorost.umensheni sredneg voltage value on the control bus controlled pulse shaper 6 falls with the passage of time, whereby the rate of reduction decreases the average time value and rperezheli fuel injection angle, and speed of movement of the working 1ki then the diesel to the extreme – the point b. When the operating point coincides with the point b the diesel operation of the device is exactly the same as in the previous case. After the transition diesel generator to another, for example, higher–speed operation is effective diesel power varies or remains the same,. Assume that it increases. This corresponds to curve CdO (Figure 2). Ignition timing of fuel injection at the initial moment is increased, whereby the oscillation injection advance angle occur relatively new medium–sized advance angle, and more farmers baths effective power – a relatively new medium–sized power. Operation of the device in this case is similar to the above, the only difference is that the operating point moves along the curve to the extreme point of CdO d. Of the cases it is clear that regardless of the high–speed mode operation of the engine and the initial position of its operating point on the characteristic N f (c) fuel injection control device ensures the movement of this point to the extreme at which the operating point is stopped. Thus, compared with known proposed fuel injection control device in the diesel generator has a high reliability and ensures a law regulating the injection advance angle at which the power of the diesel vaets maintained at a predetermined maximum duration of the injection, and specific p 1skhod efficient, fuel equal to the fuel consumption per unit of power per unit of time – at least either the speed mode.Claims fuel injection control apparatus comprising a sensor of the angular velocity of the engine shaft, uncontrolled emy pulse shaper, a trigger down counter, the AND gate, the pulse generator and the block of the AND circuit output, the angular velocity sensor is formed as the first and second coils mounted in the shaft and a permanent magnet placed on a shaft, wherein, the second coil through uncontrolled emy generator bonded to a trigger input for usfanovki in its zero state, the forward and inverted outputs of the flip–flop are respectively connected to addition and subtraction tire down counter outputs straight Dvoichsh 1X cells which are connected to the inputs of the AND gate, and on t h a l o f th e fact that in order to povppeni efficiency, y,:; ory introduced additional control pulse shaper emy sensor OUTPUT–gi, harmonic oscillator the signal source of the reference voltage, and a phase shifter circuit configured as a conversion filter block multiplication, an integrator and an adder connected in series and connected between the sensor output and the reference voltage source, wherein the harmonic signal generator is connected via a phase shifter to the multiplying unit and is directly – to the adder <rti fied with a controllable pulse generator, a direct output of which is connected to the input of a trigger for setting it in a single state, and the inverted – with a bus reset to the zero state of the counter, the input of which is coupled to the pulse generator. sources of information yrin dyje into account in the examination 1. ussr author's certificate application ions ? 2707197/25–06, cl. f 02 m 51/02, 1978.

0) SU922032T – TIPPING GRIPPER

43) Family number: 6503408 (SU922032T) © PatBase

Title: TIPPING GRIPPER

Priority: SU19802916528 19800423

Family:

Publication number	Publication date	Application number	Application date
SU922032 A1	19820423	SU19802916528	19800423
SU922032 T	19820423	SU19802916528	19800423

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International class (IPC 8–9): B66C1/44 (Advanced/Invention); B66C1/42 (Core/Invention)

International class (IPC 1–7): B66C1/44

Classification Explorer

Abstract:
Source: SU922032T 1 The invention relates to –gruzoaahvat) nym devices., Known seizure–turner containing upper and lower yokes, usta.novlennye on the lower crossmember gripping levers which are mounted for povorota.zahvatnye sponges, and the locking mechanism of mutual positions traverse l.. Synako this device is not reliable enough to work because of the possibility of arbitrary detuning of the cargo at Shea attenuated cables lifting mechanism. closest to the invention in the technical essence is captured tilter containing Traverse, which hinged on the castor plant, the upper ends of which are connected with th–. horizontally disposed power cylinders, vertically mounted on the traverse gfivodnoy cylinder, hydraulic cylinder connected to the power supply through maslohfovoda connected to the rod of the hydraulic cylinder privod.nogo load hook mounted on castor bean rotatably gripping 2, disadvantage of this device is not sufficient due to the reliability of the pressure drop in the hydraulic system with the weakening of the cables lifting mechanism as well as the ability to capture their goods only ogfedelennyh sizes. . The aim of the invention to work, improving the reliability and extending the field of application, by providing gripping goods of different sizes. The goal is achieved by the fact that the capture–kakgovatel hydraulic cylinder is provided with a return, liiTOK which is rigidly connected to the drive rod gidrotsilivdra by jumpers, hydraulic accumulator, bonded oil pipe with the stem cavity return cylinder, oil tank and equalization coupled with rodless cavities driving and return gidrotsipindrov, the supply oil passage is provided with a spool valve, by which is connected to the hydraulic power cylinder and check valve and connected to a pressure reservoir oil passage additional torus and Rod and rodless cylinder cavity terkvodnogo connected oil pipe with check valve. The drawing shows aahvat–tilter, general view. Capture– tilter comprises grass) su 1, which are hinged two castor having at the lower end of the pivoting gripping organs 3 and upper ends interconnected castor schtokami four horizontally disposed power cylinders 5, the rear part docked to each other, and arranged in two rows. On boom mounted vertically arranged gdeivodnoy cylinder 6 and 7 return, schtoki 8 and 9, which are rigidly connected to bridge S, which is attached to opposite lifting hook 11 mounted on the beam 12 The accumulator is also associated with the return oil pipe 13 and the equalizing hydraulic cylinder oil tank 14, line 15 associated with lower seamless cavities 1FIVODNOGO and return cylinders. The upper and lower cavities of the drive cylinder coupled between the oil pipe 16 is a check valve 17 providing an overflow of oil only from the lower cavity to the upper rodless. Iz.verhney cavity drive gidrotsilivd held 1.8 feed oil line check valve 19 and connect an optional accumulator 20. Oil pipe 18 is connected to the slide 21 tap where oil lines 22 and 23 to the power supply ton hydraulic cylinders. Drain maslo1fovod 24 of zlotnikovogo crane introduced to surge oil tank. At the edges of the crosspiece are secured chetfe tube segment 25, through which 1FOHODYAT rod 26 with pin clamps 27. These components collectively represent a means for orienting the gripping organs relative to $ article. apparatus operates as follows. Capture–tilter LIFTING hook 11 is suspended from the tap, transported and positioned over the product on the rod 26. Moreover maslo1fovod supply spool 18 is connected to the tap 21c maslogfovodom 23 and 22 – with drain rods and maslo1fovodom 24 4 5 gidroiklindrov popnostyu retracted inside which corresponds to the maximum disclosure of Ricinus 2. Rods 26 retracted into the pipe sections 25 and 27 are fixed pin locks on the value, arrangement provides gripping of lower pivot axis of the captured product. spool valve is switched to the opposite position and lift device. When separated from the land boom 26, weight–capture antovatel on the bridge SE is distributed on schtoki 8 and 9 and in the rod end of the cylinder x 1FIVODNOGO gidrs 6 and 7 of the return cylinder. 6 from the drive cylinder pressure medium for P1ggayuschemu oil passage 18 through the check valve 19 and the spool valve 21 enters the cavity besshtokovye gvdrotsilindrov 5, 4 which

stocks advancing smiling castor turn toward clamping article. The return of the rod end of the hydraulic cylinder 7 post Paet oil in hydraulic torus 12, wherein the pressure is accumulated. After separation from the ground zahvatkantovatel rods held in position when the pivoting axis of the gripping organs 3 coincide with the axis of the article, up to capture of the latter. During this process the working fluid to be expelled from the EMA SCHTRKOVYH cavities push gvdrotsylindrov 5 at maslogfovodu 23 through the spool valve 21 is supplied maslo1frvod the drain 24 and further – to surge oil tank 14 from which is drawn to the lower 15 trubo1fovodu rodless cylinder popostitsya schzivodnogo 6 and 7 return. In the subsequent rise zahvatakantovatel rotary aahvatny (C) 3 bodies begin to enthrall up product and increased load on the hook LIFTING II and rods 8 and 9 increases fluid pressure in 15) Ivdnom gidt rotsilindre 6 and 7 to the return of the necessary labor is transmitted rabochey.srede 1fivodnyh gidrotsvpind moat 6, and this provided a reliable clamping article. During rpduecca capture and zazhimaizdeli is filled with pressurized fluid and fluid pressure reservoir 20 TCF. during which further lifting and transporting product feeds and keeps constantly under pressure, pressure cylinders 5. If output shaft 8 is in its upper position tion and loss of pressure in the rod–cavity fivodnogo cylinder 6, the output of the working environment and the loss of pressure in the push–acti LAX 5 prevents the check valve 19, propuskayui working environment only in the direction zolotaikovogo crane 21. After transporting and lowering or tilting the article spool valve 21 is switched original position and camshaft (boccia Wednesday of the drive rod cavity tion 6 cylinder under pressure into the oil passage 23 and the rod end of the hydraulic cylinders 5, and from the blind side through the spool valve 2.1 and rlivnoy oil line 24 and further to surge oil tank. This castor free product zahvatkantovatel and prepared to next action cycle work. Since the clamping force greater than the force of weight–tilting device and capture product, the total area and volume of pressure greater than the corresponding values gvdrotsilindrov 1FIVODNOGO cylinder 6 and hfotsesse gripping and releasing the product may occur the state where the stem 8 1FIVODNOGO cylinder 6 children in vy. extreme position, and the working power stroke 4 cylinders 5 is complete. In this case the capture kantovatetsh rods 26 is lowered on to the n attenuation lines, whereby the weight load–gripping edges is removed from Athel rods 8 and 9 and the pressure in the rod–end drive gidroshshishfa cavities 6 and 7 return drops to zero. Then the pressure medium is supplied from the torus pressure reservoir 12 to 13 oil passage in the rod end of the hydraulic cylinder 7 and the return under this pressure rod 9 through 10 carries jumper down the drive cylinder rod 8, which also contributes to weight respectively of these parts, in the rod end of the hydraulic cylinder to drive beginning lowering rod 8 crosses below atmospheric pressure, whereby the working fluid flows from the cavity by a rodless masloprovotsu turn–return valve 16 in the stem cavity 17. After lowering rods 8 and 9 to the lowest position start lifting load gripping hook 11, tear–grip tilter from the floor and: hfodolzhayut stroke rods 4 power gidrotsilivdrov 5. Before starting a new cycle of the product is pumped vsh1eopasannym way the working environment to the rod end of the drive gidrotsilivdra 6. claims Capture tilter comprising yoke, which is pivotably mounted castor, upper ends of which are connected to the power gidrodilindrami horizontally disposed, vertically mounted on the boom actuating hydraulic cylinder connected to the power supply via gidrotsilivdrom oil line connected to the rod. the hook drive cylinder fixed to a castor rotatably gripping, characterized in that in order to increase the reliability by providing constant clamping load, it is provided with reciprocating gidrotsilivdrom, schtok which is rigidly connected to a rod of the drive cylinder by means of a jumper torus pressure reservoir, reported maslo1d) gadfly with the stem cavity. return cylinder, oil tank and equalization coupled with rodless cavities drive and return cylinders, the supply oil passage is provided with a spool valve, by which is connected to the power gidrotsilidaram, check valve and connected to a pressure reservoir oil passage additional torus and schtokovye besshtokovye cavity and connected to the drive gidrotsiSlindra oil pipe a check valve. Sources of information received into account in the examination of 1, USSR Inventor's Certificate number 534411, cl. In the 66 C 1/44, 1974. 2.Avtorskoe Certificate USSR 500165 M, 66 kl.V C 1/42, 1973 (hfototip).

0) DE3050526A1 – VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DES LA...

44) Family number: 2912477 (DE3050526A1) © PatBase

Title: VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DES LAUFWEGES EINER KUGEL BEI EINEM KEGELSPIEL BALL TRACKING DISPLAY FOR BOWLING GAME – OBTAINS BALL PATH FROM SEQUENCE IN WHICH SKITTLES FALL

Priority: DE19803039313 19801017 DE19803050526 19801017

Family:

Publication number	Publication date	Application number	Application date
AT386351 B	19880810	AT19810004443	19811016
AT444381 A	19880115	AT19810004443	19811016
BR8106690 A	19820629	BR19810006690	19811016
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DE3039313 A1	19820513	DE19803039313	19801017
DE3039313 C2	19860807	DE19803039313	19801017
DE3050526 A1	19830113	DE19803050526	19801017
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IT1139244 A	19860924	IT19810024547	19811016
IT8124547 A0	19811016	IT19810024547	19811016
NL8104713 A	19820517	NL19810004713	19811016
YU247481 A	19840831	YU19810002474	19811015

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International class (IPC 8–9): A63D5/04 (Advanced/Invention); A63D5/00 (Core/Invention)

International class (IPC 1–7): A63D1/06 A63D5/04

CPC: A63D5/04

European class: A63D5/04

Classification Explorer

Cited documents: US4140314 A, US3841633 A, US3428313 A, US3250535 A, US2650095 A, US2425258 A, US2316991 A, DE3003691 A1, DE3002718 A1, DE2820044 A1, DE1453118 A1,

Forward Citations: WO9729817, US5429554,

Abstract:
Source: DE3050526A1 The display is used to indicate the point at which the ball strikes the skittles (1–9) and the path of the ball immediately prior to this. The sequence in which the skittles fall over is measured and the information is used to determine the path of the ball on the principle that the skittles (1–9) hit directly by the ball will fall first, the obtained path being displayed. The ball passes through three light barriers (11–14; 13–16) immediately before impact with the skittles (1–9) with its path obtained from the timing with which each barrier is broken. This information together with that relating to the sequence in which the skittles fall fed to a microprocessor controlling the display.

0) SU933101T – AUTOMATIC INJECTOR

45) Family number: 6526337 (SU933101T) © PatBase

Title: AUTOMATIC INJECTOR

Priority: SU19802993479 19801003

Family:

Publication number	Publication date	Application number	Application date
SU933101 A1	19820607	SU19802993479	19801003
SU933101 T	19820607	SU19802993479	19801003

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Assignee(s): TIMOSHIN VALENTIN K SU

Inventor(s):(std)**:** TIMOSHIN VALENTIN K

Inventor(s): TIMOSHIN VALENTIN K SU

International class (IPC 8–9): A61M5/20 (Advanced/Invention); A61M5/20 (Core/Invention)

International class (IPC 1–7): A61K7/00 A61M5/20

Classification Explorer

Forward Citations: WO9323110, US4747834, US4715853, RU2470678,

Abstract:
Source: SU933101T I Invention relates to veterinary instruments and finds application in the injection mass of farm animals. known automatic injector soderzhaschsh pistol holder, consisting of a housing and actuating lever, and a syringe soedinennp elastic tubes with a capacity for preparation and injection needle JlJ. disadvantage of the known device is that it can not automatically be sterilized needle and okraiivat disinfect the injection site at a distance. This complicates carrying out the injection, and increases the complexity, as it requires frequent replacement of the needle, and the tagging of animals treated with disinfecting the injection site, and producing t manually using brushes. object of the invention is automatic sterilization and disinfection of the needle and injection site staining spaced. Said object is achieved due to the fact that in the known auto–matically injector comprising a pistol holder, – consisting of a housing and actuating lever, and a syringe connected to elastic tubes with a capacity for drug inektsynnoy needle and syringe mounted on the holder and the holder is provided, in the housing receiving the pump tube and supplying disinfecting solution, ispolnitelni1 mechanism which is connected a U–shaped starting from t goy lever when it is installed in front chasti.derzhatel needle ejection mechanism configured as a fixed holder in the barrel, which is mounted inside the telescopic rod equipped with the sear, hammer, and a platoon cnycKOHjiM levers, and in front of the barrel in front of the drummer mouth–Hoariefica catapult, designed as a container connected elastnchnymi tube with a syringe needle and the pump and the inlet is provided with a disinfecting solution and needle sterilizer made as iarnirno mounted on the front of the container and spring–loaded thereto dyads having at their free ends, elastic ohvatyvayu1chie needle rollers, wherein, on one of the dyads fixed feed pipe for disinfecting solution. A bed installed on a holder for the syringe, equipped with a hook for fixing the elastic ring. Syringe equipped with a spring–loaded regulator dose connected with starting lever holder, The drawing shows The offered injector, general view. Nnektor consists of a pistol holder, comprising a housing with a trigger lever I 2 and 3 of the syringe. Holder mounted in the housing corrugated pump 4 valve 5 is introduced so disinfecting solution for flexible pipes ke 6 of the container with drain fitting 7. Pump 4 is provided with a flexible supply tube 8 disinfecting solution a processing sites, and the actuator 4 is connected to the pump P t goy–shaped trigger lever 9 with 2, 3 is located at the syringe holder and provided with the elastic tube 10 connecting the two–way 1adey syringe through the nozzle 11 with the container 12 for the preparations. The container has a drain 13 and CER shtu zaporiy klapan14, also connected to the syringe needle 15 through the tube 16 partly elastics, syringe mounted on a bed 17 in the recesses 18 and 19 has a bed of hooks 20 for retaining ring 21. Syringe provided with a piston 22 and rod 23 24 runner, s schim cleavage in the side grooves 25 Boxes 17, stem is biased to the end wall 17 pruhsinoy bed 26 is provided with a syringe regulator 27–dose pack with rum 28, In front of the chassis 1 Hold the phone installed ejection mechanism of the needle, made in tion as enshrined in the barrel holder 29, which is located inside the telescopic rod 30 provided with a sear 31, hammer 32, 33 and cn platoon in Small arms. Telescopic Article 30 provides zhen mainspring 35 and 36 ogra1shchitelem stroke. Before removal Nick 32 is made in the form of the container 37 catapult Bound elastic tube through the channel 38 and the fitting 39 from the syringe and needle and cheryz fitting 40 – 8 with a tube and the tube 41, the feed–disinfectant solution to the injection site and the needle 15, To the container 37 is secured sterilizer vypolnenn1y as hinged to the front of the container and spring–loaded thereto dyads 42 having at their free ends 15, the elastic covering the needle rollers 43, one of the dyads zakreopena tube 41 for supplying disinfecting solution. At the free end of the tube has a washer 44. Device operates as follows, Injector taken in the right hand for the pistol {1st holder size of the tube 6 with coloring disinfectant solution tank 12 and the tube 10 with the

preparation put into the pockets of overalls to remove air from the system feed preparation and sterilization is disconnected from the supply tube 16 fitting 39 and dress it to drain fitting 13 and tube 10 is removed from the fitting 40 and is put on the nipple 7 Press the fingers of his right hand on the lever 2 and the plunger of the syringe 22 3 connected to These rod 23 and the slider 24 slidably in the grooves 25, bed 17, overcoming the tension springs 26 attached to the stem bore, is provided to lock, displacing air from the syringe into the container 12 and the U–shaped ha r 9 connected to the lever 2 leaned forward and compresses corrugated pump 4 and sterilization systems and staining of the tube through the drain fitting 8 7 displaces the air in the container. Release lever 2 and the spring returns the piston to its initial position against the stop 28 of the regulator dose, creating a suction in the working portion of the syringe from which the two–way valve outlet nozzle 11 is closed, inlet valve and through the tube 10 from the tank 12 through the check valve 3 enters syringe preparation. At this time, the pump 4 for feeding rods 9 in the original position is also generated at the discharge voltage, and the pump cavity through a tube 6 of the container with disinfectant solution flows coloring disinfectant solution,. Pumping with the lever 2 until t derivatives until the working portion of the syringe and the supply tubes is completely vented and air bubbles from the drug. After pumping tube 8 is removed from the nozzle 7 and placed in a position on the fitting 40 and the tube 16 of the drug delivery system is removed from the fitting and I3 is set to a position on the nipple 39, smiling leaning in any fixed stop platoon schda lever 33 is pressed until it stops with a click, thereby mainspring 35 is compressed telescopic sterzhed 30 with stroke limiter 36 is reduced in the grooves, drummer 32 engages the sear 31, the actuating lever 34, catapult device charge Genaux. approaching pistol injector to the injection site on the value of the stretched hands given distance flight container, limited length of tubes 16 and 8 Click on working 1M) 1chag selecting only the gap to the slider 24 at this point t ha 9 without freewheel bonded with lever 2 partially reduces corrugated pump 4 due to this it is created dezinfitsirukndey–pressure liquid coloring. Fluid flow through the tube 8, the elastic tube 41 and a washer sterilizer 44 is applied to the injection site. injection site disinfected and painted. Right index finger pull the trigger lever 34, as a result, the striker plate 32 by the spring 35 sryvaets with sears 31 and hits the striker on the heel of the container 37, container off by the length of the part supply tubes 8 and 16, shot in a sanitized injection site, with a force of inertia dyad container folded in the joints, wiping disinfectant solution smochenmlmi 43 needle rollers 15 which entered the body of the animal, in this moment, continue pushing the lever f 2, while working on the slider rod 24 23, tension nuvshy working spring 26, the piston 22 is displaced from the syringe through 3 otkryvyiys sozdavshims under pressure drug outlet valve two–way nozzle II and the tube 16 through the needle 15 drug into the body of animals whom. release lever 2 and the RA5 boccia pruekina sets the piston into its original position. And the nozzle outlet valve zakryls and inlet valve otkryls. As the tube 10 from the tank 12 flows into the syringe A further long– 0 qi drug. Thus, if necessary, administration of high doses. formulation at a acupuncture supply it is possible to repeat several times, 5 finished feed formulation tensioned tube 16 and 8, the needle comes out of the body, occupy dyad original position. When driving in the original popozheQ of dyad pressing smiling moistened disinfectant solution to the needle rollers 43, the second time it prosterilizovyvayut. To perform the next shot container is made to the original on– 5 lozkenie and everything is repeated in the sequence, but without the process udaleEsh air supply system of the drug if it is not needed. In this manner for 2 min continuous rabty 0 20 injections is performed. If possible produce therapeutic and prophylactic meropri five animals directly to machines on a short distance, 5 pistol injector operates without ejection mechanism of the needle, thus eliminating the need to cock a spring catapult If acupuncture production by pressing t 0 handle pistol holder I, but a process of injection, sterilized needles and staining stomach wx occurs automatically by pressing on the animal's body at the injection site 5.kanyulnoy part of the container and the lever 2, apparatus allows injection to produce simultaneous one–handed needle sterilization, disinfection places acupuncture, staining it with a view to distinguishing waste from untreated animals. Pistola injector allows the group to make processing of animal– 5 povogo content–spaced through the barrier without a visit to the machine that can prevent the spread of infection to other machines. moreover, it reduces the risk of infection by the man himself. Vypolne11ie injection g {a.1h flexible elastic tubes allows for any behavior of the animal to perform the operation without damaging the injector needle. claims , automatic injector comprising a pistol holder, consisting of a housing and actuating lever, and a syringe connected to elastic tubes 1st number with the container for the preparation and the injection needle, characterized in that, for the purpose of automatic needle sterilization, disinfection and staining space injections spaced syringe zakregten on the holder and the holder is provided disposed in the pump casing and supply tubes receiving dezrast thief, the actuator of which is connected a U–shaped starting from t goy lever, wherein a front portion of the holder mounted needle ejection mechanism: y5 made in the form set out in the holder of the barrel, which is located inside the telescopic rod equipped with a sear, hammer, and trigger lever platoon, and in front of the barrel in front of the drummer set catapult, designed as a container connected to an elastic tube with a syringe needle and the pump and the inlet is provided with a disinfecting solution and needle sterilizer, designed as pivotably mounted on the front of the container and spring–loaded thereto dyads having at their free ends, elastic needle ohvatyvayu1tsie p Rollers, thus one of the dyads fixed, tube feeding fvia disinfecting solution. 2.Inektor according to claim 1, characterized in that the box is installed on the holder for the syringe, equipped with locking hooks dp elastic ring. 3 Injector for n, I, wherein the syringe has a dose regulator. Sources of information received into account in the examination 1. Lobikova AI Automatic device for animal injection by weight. – Agriculturally ystvo abroad, 1979, ? 10, p. 51.

0) SU939146A – ROLLING MILL ROLLING LINE

46) Family number: 6538785 (SU939146A) © PatBase

Title: ROLLING MILL ROLLING LINE

Priority: SU19813245572 19810127

Family:

Publication number	Publication date	Application number	Application date
SU939146 A1	19820630	SU19813245572	19810127

Probable Assignee: KOLPINSK OTDEL VNI PK I MET

Assignee(s):(std)**:** KOLPINSK OTDEL VNI PK I MET ; KOLPINSKOE OTDEL VNI PK I META

Assignee(s): KOLPINSKOE OTDEL VNI PK I METALL MASH N PROIZV OBE ; KOLPINSKOE OTDEL VNI PK I METALL MASH N PROIZV OBEDINENIYA VNIIMETMASH

Inventor(s):(std)**:** ADAMOVICH ROTARM A ; DUNAEV VLADIMIR I ; ELYAKIN VIKTOR D ; POLIEVETS VIKTOR P

Inventor(s): POLIEVETS VIKTOR P SU ; ELYAKIN VIKTOR D SU ; DUNAEV VLADIMIR I SU ; ADAMOVICH ROTARM A SU

International class (IPC 8–9): B21B35/00 (Advanced/Invention); B21B35/00 (Core/Invention)

International class (IPC 1–7): B21B35/00

Classification Explorer

Abstract:
Source: SU939146A Invention relates to a rolling production and use but can be as basic equipment rental complexes. The closest technical suschnosti.k proposed is Mr. Boccia line rolling mill comprising a horizontal two–roll cage, with double–sided roll spindle compounds l. A disadvantage of known construction is an inconvenience and duration handler. The purpose of the invention – reducing handling time and improving operating conditions. Said aim is achieved in that the working line of the rolling mill, comprising a horizontal two–roll cage rolls with double–sided spindle compounds, provided on the drive side of the roll platform of the upper and intermediate frame mounted on the platform and a spindle carrier bearing the spindle, wherein the intermediate communication frame a platform associated with a horizontal hinge whose axis coincides with the axis of the spindle head which is nearest to the actuator, and setting the hydraulic cylinder arranged between the intermediate frame and platform. 1 shows the operating lines stand, general view; Figure 2 – transhipment platform mounted thereon spindle connection, top view. The operating line consists of the working cage 1 with the work rolls 2, 3 spindle compound lower roller mounted on the foundation of the motor 4 drives the lower roller, telescopic spindle 5 top roll, ustanovlennogo.na platform 6 with intermediate frame 7. Intermediate frame 7 is fixed to the Platform 6 posreds tion hinge 8, the axis of which coincides with the hinge axis of the spindle head, a shaft connected emoy motor 9 and hydraulic cylinder 10 is pivotally connected to the platform 6 and the intermediate frame 7. At the intermediate frame 7 are guiding device 11 and fitted to equilibrate Interior spindle 12, which are installed on movable supports 13 of the telescopic spindle 5. Pozhvizhnye support 13 are interconnected by a mechanism downmix – dilution spindle heads 1 made of, for example N as a set of two parallel cylinders. Axial adjustment mechanism 15 is mounted on the upper side of the roller opposite the location of a platform us. On the platform 6 is mounted interchangeable set of rolls 1b, and there are guides 17 for receiving the waste roll set. Above the bottom roll spindle compound installed flooring slab 18, allowing the easy access to carry out the mechanism 15 to adjust the upper roll axis. Job working line is performed as follows. In the initial working position, the platform 6 is mounted so that the axis of the telescopic spindle 5 coincides with the axis of the cage 1 and the motor 9.. Bits 5 apart telescopic spindle and are connected with the upper cage 2 and roller shaft electric motor 9. After stopping the electric motor 9 is turned on and a mechanism –dilution downmix spindle heads 1k, during which the work spindle heads are shifted from the end of the roll 2 and the shaft of the motor 9. transverse displacement is performed then the platform 6. When aligning the axis of the guide shaft 17c of the cage 1 is stopped platform, after which it Bldg gaets of stand 1 com extension kit spent two rolls, then moved again to the platform axis coincidence install a new set of 16 with the axis of the cage 1, produced by a blockage in the crate ka new set of platform 16 and then again moved in the transverse direction to align the axis of the installation of the telescopic spindle 5 axis stand 1. By means of the hydraulic cylinder 10 is performed by the vertical adjustment of the spindle head of the telescopic shaft of the upper roll with a new set of rolls mounted in a stand, whereupon the hydraulic cylinders incorporated by reference mechanism trazvedeni spindle heads 1A, whereby the connection is effected with a telescopic spindle 5 again mounted roller and the shaft of the motor 9. Compound lower working roll sets a new compound with the spindle 3 is effected in conventional manner. After these operations, the operating line is ready. Device for balancing the spindle 12 is permanently affects the support 13 telescopic spindle 5, pressing them to the guide 11. When intelligence and breeding heads telescopic spindle 5 of its support 13 workers interact with the surfaces of the device for balancing the spindle 12. Structure being offered working line can be when used as transshipment mill roll sets, and in handling roll stands. The

economic effect of the proposed solution is achieved by reducing the time to stop mills handling. The operating line, the claims of the rolling mill, comprising horizontal dvuhvalkog vuyu cage with double−sided roll spindle compounds, characterized by the fact that in order to reduce the time to improve the handling and operating conditions, it is provided by the upper roller drive platform and an intermediate frame set a platform supporting the spindle and the spindle carrier, wherein the intermediate frame is associated with the platform horizontal hinge whose axis coincides with the axis of the spindle head which is nearest to the actuator and a hydraulic cylinder configuration mounted between the intermediate frame and platform. Sources of information received into account in the examination 1. USSR Author's Certificate 550190 M degrees, cl. In 21 In 35/00, 1975.

0) DE3048525A1 – BRETTSPIEL MIT HINDERNISSEN BOARD GAME WITH PL...

47) Family number: 2057559 (DE3048525A1) © PatBase

Title: BRETTSPIEL MIT HINDERNISSEN BOARD GAME WITH PLAY ELEMENT AND GAME COUNTERS – USES PLATE FLUNG BY HAND OPERATED SPRING AGAINST OBSTACLE AND ONE PASSAGE HAS STORAGE MAGAZINE FOR COUNTERS

Priority: DE19803048525 19801222

Family:

Publication number	Publication date	Application number	Application date
DE3048525 A1	19820708	DE19803048525	19801222

Probable Assignee: HUETTENBERGER STEFAN

Assignee(s):(std)**:** HUETTENBERGER STEFAN

Inventor(s):(std)**:** HUETTENBERGER STEFAN

International class (IPC 8–9)**:** A63F7/00 A63F7/06 A63F7/24 A63F7/30 (Advanced/Invention); A63F7/00 (Core/Invention)

International class (IPC 1–7)**:** A63F7/24 A63F7/30

CPC: A63F7/305 A63F7/00 A63F7/0672

European class: A63F7/00 A63F7/06L A63F7/30G

Classification Explorer

Cited documents: US2097670, US1942476, US1939819, FR1031894, FR1029135, DE7636237 U, DE1753958 U,

Abstract:
Source: DE3048525A1 Patentansprueche Brettspiel mit einem von einem Rand umgebenen Spiel feld auf dem mindestens ein Spielkoerper (Scheibe oder dergl) von einer Vorrichtung (zB Feder) gegen min destens ein Hindernis mit mindestens einem Durchgang geschleudert werden kann, dadurch gekennzeichnet, dass an zwei gegenueberliegenden Seiten je eine von Hand betaetigbare Abschussvorrichtung fuer den/die Spielkoer per angeordnet ist und das Hindernis fuer jeden Durch gang ein Magazin fuer Spielmarken aufweist, von denen jeweils die unterste im Durchgang liegt, und beim Entfernen der im Durchgang liegenden Spielmarke durch den Schusskoerper die jeweils naechste Spielmarke nach rutscht 2. The board game has a playing surface surrounded by an edge on which at least one play element such as a plate is flung by a spring against at least one obstacle having at least one passage. There is one hand operated shoot–off device for the play element on each of two opposite sides and the obstacle for each passage is fitted with a storage magazine for game counters. The lowest of these counters is placed in the passage and when the counter lying in the passage is removed by the play element the next game counter slides down into that position.

0) SU978321T – METHOD OF CONTROL OF MAGNETIC AMPLIFIER

48) Family number: 6617396 (SU978321T) © PatBase

Title: METHOD OF CONTROL OF MAGNETIC AMPLIFIER

Priority: SU19782677431 19781020

Family:

Publication number	Publication date	Application number	Application date
SU978321 A1	19821130	SU19782677431	19781020
SU978321 T	19821130	SU19782677431	19781020

Probable Assignee: MAILBOX R 6476 CO

Assignee(s):(std)**:** LEPP VLADIMIR R ; MAILBOX R 6476 CO

Assignee(s): LEPP VLADIMIR R SU

Inventor(s):(std)**:** LEPP VLADIMIR R

Inventor(s): LEPP VLADIMIR R SU

International class (IPC 8–9): H03F9/00 (Advanced/Invention); H03F9/00 (Core/Invention)

International class (IPC 1–7): H03F9/00

Classification Explorer

Abstract:
Source: SU978321T Invention relates to magnetic amplifier sq. A method of controlling the magnetic amplifier, operating in a forced mode of magnetization, at which the current into the load from the power pi Tani fed through the working windings of the magnetic elements are alternately stacked in energy Cl. The disadvantage of this method is low multiplicity controlling speed and small, as well as a large ripple. The closest to the technical means and the result achieved by the proposed control method is magnetic amplifier formed on magnetic elements and working in forced mode of magnetization, in which the current from the power source to the load is passed alternately from one of the two inductive elements t 2. Disadvantages of this method control are poor static and dynamic characteristics. The purpose of the invention – improved static and dynamic characteristics. Said aim is achieved in that the current fed to the other element directly to the power source. Fig. 1 shows a diagram of the magnetic amplifier, for explaining the method; Fig. 2 – hysteresis loop cores. The diagram shows the keys 1 and 2, work coil 3 and the number of windings A Wj, W, coils 5 and 6 controlling the number of revolutions and Wj W, 7–10 diodes, power supply 11, load 12, the linear inductor 13, the source k control current, the cores 15 and 16 of the inductive elements. Prior to the start time of the keys 1 and 2 are in position A; in a chain – source 1, the inductance 13, 978 windings 5 and 6 of the control current flows 3v /, created in the core 16 and 15 eg zhenndst magnetic field (Fig. 2, point a – core 15 point. 5 – core 1b; energy reserve the core 16 is determined by the hatched area). In the circuit – the source of 11 1 key, Mr. Boccia winding k, key 2, the load 12 pryutekaet load current. At the initial time the keys 1 and 2 switched to position B, the voltage source 11 EC applied to the coil 3 (the value of the load resistance 12 is equal to zero), the core 15 jump out of saturation and Namin is peremagnichivats a change of the quantity of induction to Bg –Bg, through the winding 3 and the load current flows 12 m E (–––– i Diodes 7 and 8 are locked. 5upravleni transformed into the winding voltage is equal to the accumulated E. core 16 to the initial moment of time Meni energy is returned to the power supply 11 to chain – winding, the diodes 9 and 10, the operating point moves from the core point and the point 5, the current flowing through the coil and k diodes 9 and 10 is equal to the load current, the voltage across the winding is equal to k E in transformed voltage winding 6upravleni – W eg n ix, transformable in the control circuit is zero, thereby reducing the inductance 13, 4 to expand the range of adjustment and improve the performance of the amplifier. Since none "of the core is not saturated with up to state–Bg in periodic switching keys from the scheme Ballasts eliminated, which improves efficiency and power gain. To load 12, which voltage Uj is independent of the current flowing through it J for expanding control range and improve performance in power supply current is fed, the value of which EU–L d / is determined from the ratio J claims method for controlling the magnetic an amplifier formed by an inductive element and the operating mode of magnetisation stimulated, whereby a current from the power source to the load is passed alternately from one of the two inductive elements, characterized in that, in order to improve static and dynamic performance, the current fed to the other element directly power supply. Sources of information received into account in the examination 1.Storma GF Magnetic amplifiers. Moscow, 1957, p. 129. 2.Patent USA number 3397361, cl. 3308, 1968. . 145 in 5 10

0) SU981024A – VEHICLE WINDOW–RAISING MECHANISM

49) Family number: 2727686 (SU981024A)

© PatBase

Title: VEHICLE WINDOW–RAISING MECHANISM

Priority: SU19813268601 19810331

Family:

Publication number	Publication date	Application number	Application date
SU981024 A1	19821215	SU19813268601	19810331

Probable Assignee: MITIN IGOR S

Assignee(s):(std)**:** MITIN IGOR S

Assignee(s): MITIN IGOR S SU

Inventor(s):(std)**:** MITIN IGOR S

Inventor(s): MITIN IGOR S SU

International class (IPC 8–9)**:** B60J1/16 E05F11/48 (Advanced/Invention); E05F11/48 (Advanced/Non–invention); B60J1/16 E05F11/38 (Core/Invention); E05F11/38 (Core/Non–invention)

International class (IPC 1–7)**:** B60J1/16 E05F11/48

Classification Explorer

Abstract:
Source: SU981024A Invention relates to devices which provide the movement of the window glass of the vehicle, in particular an asymmetric window. known for vehicle windows, of which the drive movement of the glass is in the form of flexible rods, in particular TPO–sa associated with the clip / fixed at the base of the glass. The sides of the window set in the main guide. Window lifter further provided with secondary guide, and said holder is fixed glass slide, fixing the position of the glass relative to the additional guide that prevents galling sides of asymmetrical glass while moving in the main guide rails 13. This windows has a complicated structure, a large number of details and high complexity manufacturing, assembly and installation, also known windows of the vehicle, comprising guides for the movement of the sides of asymmetrical glass and its transfer to the actuator operating the two legs of the rope which soedyneny base glass at two points displaced from the longitudinal axis of symmetry of the window C2. This windows also has a complex design concept and, moreover, the control cable having a considerable length; has a high sensitivity to stretching during ekspluata10 tion arising and at the same tensile forces prior to the difference in the tension legs of the working rope that iprivodit necessary to use differential ust15 roystva, tension leveling working branches. Availability differential device significantly complicates the design window. 20 most close to the invention the vehicle windows comprising a movable lateral guide sides of the glass, with the drive moving the cable, the working branch 25 which is coupled with a holder fixed in the bottom of the glass, and is disposed parallel to the guide PP. This has windows 30 simple structure. However, when using this asymmetric stekchopodemnika for moving the glass, i.e. glass with different side strronami possibly jamming the short side of the glass in the guide, since the operating conditions in the probability difference exists frictional forces between the sides of the glass and the guides, whereby no point of application of the same force and thrust point of application of the rope power resistance forces acting in Off ravl guides. At offset resistance of the resultant force from the attachment point to the cable holder in the middle of the base glass to a short side of the glass when lifting torque acts tending his nut–adhesive PoWER relative to the upper end of the short side. The shorter the length of the latter, the stronger the tendency to galling chi glass resulting effects described points. When lowering the glass specified time during znikaet in the case when the point of application of force ravnodeystvuyusche resistance; of the point moves away from cable attachment to the cage toward the long side of the glass. The purpose of the invention – increasing reliability by eliminating wedging or glass with different length sides when it is moved, Said object is achieved by the fact that the window regulator vehicle containing directs th ing movement sides stack la drive movement with a rope, Mr. Boccia branch which St. oboj coupled to my fixed in the base glass, and is disposed parallel voltage yuschim l, fastening work branch cable to the cage holds two the points being offset from the middle to the sides of the base glass, forming the upper and lower portions of working branches, the lower portion is located closer to the side window of greater length, the upper – side of the window to the lower length. The drawing shows electric windows nickname. asymmetrical glass windows of the vehicle. Windows contains 1 drive with rope 2, the operating branch of which consists of two segments 2a and 25, parallel–guided yusch.im 3 and 4 movable sides 5 and used glass working branch is fixedly mounted at points C and D, located offset from the mid–base glass, in this structure, the offset provided by the prior action of the thrust lines of the vertical rope axes O–O in an amount such that from a cable attached to the glass, but the strength of the thrust, a moment which provides compensation for the possible points of different resistance forces in the guide, promoting, seizing glass quantity e determined extreme, but using the formula lx thrust force of a rope; maximum normal operating conditions for the difference of resistance forces guiding the long and short sides; length of the base glass; factor–stock,.. if you can afford the difference

between the forces of resistance when lifting and lowering the glass is different, the amount of displacement of segments 2a and 25 from the axis O–O must be set in accordance with the various above formula, device operates as follows. When lifting the glass pulling force from the drive through one cable 2 and the upper section of his work branch 2a is applied to the base of the glass at the point cx 7 (lower section 2 B while lifting the glass. Is passive) As a point offset from the middle to the base glass its short side, the pulling force upward, creating some extra time, anti–rolling window (clockwise in the plane of the drawing) and prevents z.aedanie short side, side glass in the guide, When lowering the glass pulling force is applied to the glass substrate 25 through the lower section of the working point in the branch cable 5. upper tether segment 2a during lowering is passive and only provides maintaining glass in the raised (fully–or partially) state. An additional moment caused by the shift from the middle point b of the base glass to the long side of the window, is directed in the same direction as when the rise and provides similar compensatory effect antiblock galling of the short side in the guide window. Described windows has a simple structure and can be used for lifting and flushes asymmetric glasses excluding jamming in their guides. The claims of glass srelstva vehicle containing guide movable sides glass peremescheniys drive cable, the actuating arm which is coupled with a holder fixed in the bottom of the glass, and is disposed parallel to the guide, and ex–chayuschiys that, to improve the reliability by avoiding jamming of glass with different lengths sides as it is moved, mounting work branch cable to the cage holds two points offset from the middle to the sides of the base glass, forming the upper and lower portions of working branches, wherein the lower portion is located closer to a side window of greater length, the upper – side of the window to a shorter length. Sources of information received into account in the examination 1. British Patent number 1,431,534, Cl. M E 2, 1976. 2.patent U.S. 4,110,935, kl.49–352, 1962. 3. Moskvich car parts catalog. M., Mechanical Engineering, 1972, 203, Fig. 115. (Prototype).

0) SU984558T – MULTIROLL SECTION BENDING STAND

50) Family number: 2736543 (SU984558T) © PatBase

Title: MULTIROLL SECTION BENDING STAND

Priority: SU19802920597 19800505

Family:

Publication number	Publication date	Application number	Application date
SU984558 A1	19821230	SU19802920597	19800505
SU984558 T	19821230	SU19802920597	19800505

Probable Assignee: STARO KRAMATORSKIJ MASHINOSTRO

Assignee(s):(std)**:** STARO KRAMATORSKIJ MASHINOSTRO ; STAROKRAMATORSK MASHINO

Assignee(s): STARO–KRAMATORSKIJ MASHINOSTROITELNYJ ZAVOD IM ORDZHONIKIDZE ; STARO KRAMATORSKIJ MASHINOSTROITELNYJ ZAVOD IM ORDZHONIKIDZE

Inventor(s):(std)**:** BULGAKOV EVGENIJ G ; KHEJFETS GRIGORIJ R ; MAMAJ SERGEJ N ; PISARENKO NIKOLAJ T

Inventor(s): PISARENKO NIKOLAJ T SU ; MAMAJ SERGEJ N SU ; KHEJFETS GRIGORIJ R SU ; BULGAKOV EVGENIJ G SU

International class (IPC 8–9): B21D5/08 (Advanced/Invention); B21D5/06 (Core/Invention)

International class (IPC 1–7): B21D5/08

Classification Explorer

Forward Citations: US4787232,

Abstract:
Source: SU984558T Invention relates to metal forming, namely to design the rollforming mnogovalkovoy working cage " closest to the proposed technical essence and results is mnogovalkova Forming working cage containing associated with the base pairs of rolls with horizontal axes for forming the central zone of the workpiece and located between the pair of rollers with inclined axes for molding–flanging the edges of the preforms 1. The disadvantage of the known crate is formed in a limited range of sizes of peripheral, areas defined by the fact that the inclined axis rollers formukitsih these portions are rigidly secured to the frame object of the invention – enhancing the technological capabilities by increasing the range of stand sizes formed products. The goal is achieved in that mnogovalkova Forming crate containing associated with the base pairs of rolls with horizontal axes for forming the central zone of the workpiece and located between the pair of rollers with axes inclined to forzhevki–crimping blank is provided with crossarms, rigidly fixed to the frame between pairs of horizontal rollers and carriages mounted on them, made up of the outer part and its associated with vozmozh10 completely turning the inner part, which are placed with possibility of alternating "Exalt along its axis in the direction of movement of the resilient support, the axis of the inclined rolls are fixed on these supports 15 and the outer part of the carriages are associated with cross–members with the possibility of horizontal and vertical displacements. 20 Figure 1 shows a general view of the cage; Fig. 2 – section A–A in Figure 1. 3 – cut BB ua 4 – cut B–B 1; Fig. 5 – section D–D in Fig. 3} in Fig. fig.Z 25; Fig. b – section of D–D ua Fig. 3 | Fig, 7 – section E–E of Figure 5; Figo on 8 – cut F–F in Fig. 5; ua Fig. 9 and 10 – two possible positions slope ekyh rolls ua 30 forming one level. Mnogovalkova prrfilegibochna Mr. Boccia stand 1 2 contains an upper and lower horizontal rollers 3, which is produced between profiles ing the middle of the slab 4, 5 adjustment mechanism position horizontal rollers, used left and right on 7.pary. clone actuated roll in calibers which is produced 8–flanging forming workpiece edges 9 matches. Each pair of rollers actuated tilt associated with a horizontal adjustment mechanism 10 containing 11 slides on peremeschayuschies traverses 12 fixed to the frame 13 between pairs of horizontal spindles valkovj 14, driving nut 15, and the vertical adjustment mechanism 16 comprising adjusting screw 17 and nut 18, which interacts with the outer portion 19 of the carriage. In addition, each pair of rollers actuated tilt associated with a corner setting mechanism 20 comprising worm sector 21, a worm 22, the interior of the rotary shaft 23 of the carriage 24, depreciation nodes 25 and 26 with a set of elastic elements 27, the flange 28, the individual. rectangular cover 29, a special group of tuning screws 30 and a set of adjustable parts 31, and each paired vadok coupled with a mechanism 32 to its longitudinal individual mood acid consisting of the spindles 33, spindle nut 34, the stopper detaley35, the movable supports 36 and 37 bearing axis 38 and 39, which are dressed with specialized glasses 40 washers 41. To obtain the required 32 ready–made profiles my configuration left 43 and right 44 pairs of rolls on the slope actuated subsequent shaping transitions are set (are tilted) under different, different from other–angles (0 – 30 degrees) «device operates as follows.. Number mnogovalkovyh–forming work stands one involved in profiling and high–speed mode are set depending on the complexity of the shape and dimensions of profiles 42 and the number of their release. In the initial position, for example, two transition end endless blanks into equal four levels are set to either presetting ITATION two upper 3 and lower horizontal rolls and the slope b emye and 7, provided with profiled washer 41 corresponding to the specified route forming process technology,

and Lock yourself in trim speed parallel and move unidirectionally through successive groups of gages 2 and 3 horizontal and tilt actuated rollers 6 and 7 stand 1 (one or more) at the appropriate levels of mold. After the release of the front ends of blanks 4 izposlednih involved, according to the specified route forming a specific profile T2, 2 and 3 horizontal and tilt actuated b and 7 rolls last an enabled mnogovalkovoy working stand 1, manufactured Final nastroystva calibers all these rolls, using the appropriate configuration mechanism. In this vertical. locally actuated tilt adjustment pairs of rolls is produced mechanisms 16, the longitudinal adjustment – 32 mechanisms (mechanism allows independent adjustment of the slope produce actuated rolls – each left and right separately) uglovssh adjustment mechanisms 20, the horizontal adjustment perpendicular to the longitudinal axis of the cage – 10 mechanisms after reaching set parameters output from the cage formed profiles 42 (obtained from initial blanks 4), the last pass surgery and further technological mnogovalkova Forming working stand is transferred to the working process speed, the process becomes stable and can last continuously Later during the molding process infinite profile, enter the cage periodically chain linking sites of the initial preform having a double thickness. While depreciation triggered nodes 25 and 26, 38 tilt axis actuated rollers symmetrically razdvigayuts sozdayuschims increased effort metal forming double thickness and the elastic elements 27 device automatically creates the (estimated) slope of balancing push force actuated roll on metal blanks 4. After passing through the gauges 8 places crosslinking zaf–OTOBOK 4 axis 38 is automatically returned to the original position. Thus, the stability of the molding process is provided a strip having portions crosslinks. Excluded shape distortion and breakage of the profile parts and the stand is provided for the further continuous molding process. For molding other size required angular profile readjustment of all pairs tilt actuated rollers 6 and 7 (according to the new set mariruta molding), as well as vertical and horizontal adjustment gauge 2 and 3 horizontal and tilt actuated rollers 6 and 7. Forming the claims Mnogovalkova crate comprising a bedplate associated with the horizontal roll pairs axes for shaping the central zone of the blank and extending therebetween.Pair of rolls with inclined axes for molding–crimping workpiece characterized by the fact that, for the purpose of P | ace 11ireni technological capabilities by increasing cage sizes formuegvlh range of products, it is equipped with crossbars, rigidly fixed to the frame between pairs of horizontal rolls and established slides on them, composed of the outer portion and its associated rotatable inner part, which is movably placed along the axis of the spring–loaded in the direction of movement of the support, the inclined axis rollers mounted on these supports and the outer parts of the carriages are coupled with the crossarms gorizontgshnogo and with the possibility of vertical movement. Sources informsschii, received into account in the examination 1, new technology in the manufacture of sandwich walling of metal and foam, expandable in the cavity of the article. Overview TSINYS, M., 1975, p. 10 (prototype). H Fyg.1 A–A tpapMoSKuj ipapmffm / I turned farpovt § 21 13 gg v: / / / I / / ziT Phage. 7 Jl l j Jf JL Sr–A /, / E II CSSSSSfaHHH 0a ff / fff / rffj i / f.fff r –.. C / / / /; vJZ–. i 0lyf.

0) SU988849A – COMPOSITION FOR DRY VIBROCHEMICAL TREATMENT OF ...

51) Family number: 2746482 (SU988849A) © PatBase

Title:	COMPOSITION FOR DRY VIBROCHEMICAL TREATMENT OF METAL PRODUCTS
Priority:	SU19813272470 19810325

Family:

Publication number	Publication date	Application number	Application date
SU988849 A1	19830115	SU19813272470	19810325

Probable Assignee:	LVOVSK LESOTEKH INST
Assignee(s):(std)**:**	LVIV FORESTRY INST ; LVOVSK LESOTEKH INST
Assignee(s):	LVOVSKIJ LESOTEKHNICHESKIJ INSTITUT
Inventor(s):(std)**:**	NAKHAEV PETR P ; TOROPOVSKAYA INNA N ; TYNNYJ ANATOLIJ N
Inventor(s):	TYNNYJ ANATOLIJ N SU ; TOROPOVSKAYA INNA N SU ; NAKHAEV PETR P SU
International class (IPC 8–9):	C09K3/14 (Advanced/Invention); C09K3/14 (Core/Invention)
International class (IPC 1–7):	C09K3/14

Classification Explorer

Abstract:
Source: SU988849A 1 invention relates to metal vibration treatment with (and may etaley bgg used in industries x schyumysh leshyusty where required U19) ochnenie products, descaling, Oblomov, burrs and improve the quality of their surface, known dry vibratory treatment of metal details, Mr. Boccia Wednesday consist of dry machining abrasive granules or stalsh 1x tl. However, Dunn vibration treatment is of poor quality and poor appearance of products, as well as the intensity of unsatisfactory cleaning and hardening the surface of products. Closest to the invention jointly tfvznakov and achieved result is a composition for the treatment of dry vibrohimicheskoy metallv vskvh parts comprising abrasive particles or granules are steel and thermoplastic – popimetipmetakrilat deposited as a film on the abrasive granules 23. Disadvantage of this structure is the complexity of its preparation, bound to the use of special equipment and toxic volatile solvents. Furthermore, kachesgvo –.. exterior parts cleaning intensity and surface hardening 1FI using this soy–tava also inadequate. The purpose of the invention – Intensification of treatment processes, reinforcing and improving the surface quality of parts. The goal is achieved in that the composition for dry V1Yrohimicheskoy processing metal parts, comprising abrazivnyeili steel pellets and injection molding, as the last contains polymethyl methacrylate or polystyrene as porsiika m), and the following components sootnsshienii, May. h percent: Abrasive powder or steel granulyYuO polymethylmethacrylate or polistirola0,3–O, 7 Table 1 From gfedstavlennyh tables data show that the proposed structure allows nntensifitsnrivat cleaning process and reinforcement details, as well as improve the quality of their surface. CLAIMS A composition for treating dry vibrohimicheskoy metal parts comprising abrasive granules and steel or thermoplastic, characterized in that, to intensify the cleaning ouecsov i, hardening and improving the surface quality of parts, composition kaTablitsa

0) SU989183A – HYDRAULIC CONTROL SYSTEM

52) Family number: 2747301 (SU989183A)

© PatBase

Title: HYDRAULIC CONTROL SYSTEM

Priority: SU19813270087 19810331

Family:

Publication number	Publication date	Application number	Application date
SU989183 A1	19830115	SU19813270087	19810331

Probable Assignee: ORENBOJM BORIS D

Assignee(s):(std)**:** ORENBOJM BORIS D

Inventor(s):(std)**:** ORENBOJM BORIS D

Inventor(s): ORENBOJM BORIS D SU

International class (IPC 8–9)**:** F15B15/22 (Advanced/Invention); F15B15/00 (Core/Invention)

International class (IPC 1–7)**:** F15B15/22

Classification Explorer

Abstract:
Source: SU989183A 1 – The invention relates to a parking structure, namely to control the differential hydraulic cylinder having a different volume piston rod cavity Provide inclusive. Can also be used in pneumatic systems and PU rav.leni... Known hydraulic control comprising a differential cylinder, mounted therein to form the cavities and the piston rod, a piston with a co current distributor connected to the cavities of the cylinder and extending parallel to the slide distributor valve with an axial channel in the spring–loaded spool, and end caps cavities E in the body, reported with cavities cylinder Cl. disadvantages of the known control system are the inability to provide a dual mode control, ie on the rod can not be obtained, if necessary, increased force at a lower speed of movement. Technologically difficult to ensure chit fit different diameter necks of the spool in the housing, causing possible leakage and reduced system reliability. The structure of the system is complicated by the presence of a differential valve and check valve and the details of their connection to the system.) Q object of the invention – providing a dual mode control, reliability improvement and simplification of the design of the hydraulic system control. Said object is achieved, 15 that hydraulic control comprising a differential cylinder mounted in it to form a rod and piston cavities, with the piston rod, distributor, pod20 exception of the cylinder cavity and extending parallel to the distributor slide valve with an axial channel in the spring–loaded spool and the end E cavities in the housing, reported with cavities cylinder spool mounted in the channel plate, the channel section guide into two areas, the spool is provided with an angle to each other angled channels schimi output on its surface in two mutually perpendicular planes, and the frame – the abutments for interaction with the spring valve and two annular cavities odnaiz which communicated by the Allen cavity with one of the sites of the axial channel and polostyu.tsilindra piston and the other – with the rod end of the cylinder and through the angular channels – with both sections of the channel or cavity through the second allen – distributor. 1 is a hydraulic control structure and the spool valve; Figure 2 shows a section A–A in Figure 1 over the angular channels in the slide valve. Hydraulic control system comprises a differential cylinder 1 utanovlenny in it to form a rod 2 and 3 piston cavity, the piston rod 5 with valve 6, a–d connecting to the cavities 2 and 3 of the cylinder i and 6 extending parallel to the distributor slide valve 7 by a spring–loaded spool, and end caps 8, 9 and the cavities 10 in the housing 11 communicating with the cavities 2 and 3 of cylinder 1. spool B–8 divider 12 divides the two portions 13 and 14 of the channel. The spool 8 is provided at an angle to each other angled channels schimi at its output surface 19 in two mutually perpendicular planes, and the body II–stops 20 and 21 for engagement with the spring 22 of the spool 8 and two annular cavities 23 and 24, one 23 of which communicates through the cavity 10 SIZING with one of the channel portions 13 and the piston cavity 3tsilindra 1 and another 2k – 2 with the stem cavity of the cylinder 1 and 5,18 by canals angle – with both portions 13 and the second through N or allen cavity 9 – a distributor 6. Hydraulic control works as follows. By injecting the working fluid in the rod end of the spool 2 of the cylinder 1 8 9 tortsovoy.polost pressure, compressing the spring 20 through the abutment 22, peremestits right, thereby providing access to the working fluid from the distributor 6 through the annular cavity 24 in the stem cavity 2. At the same time from the piston cavity 3 hydraulic fluid discharged freely into the distributor 6. By injecting the working fluid in the cavity 3 of the piston rod end of the drain 2 and the distributor 6 overlapped spool 8. – Due to the increase in pressure in the cavity end face 10 of the spool valve 7. spool 8, through compressing the abutments 20 and 21 of the spring 22, peremestits left until then. until the plane B–B is not sovmestits spool with an annular cavity 24. Thus all flow of hydraulic fluid from the rod chamber wail in the piston 2 into the cavity 3 through the lumen 23, 15 and corner channels 16, the axial channel part 13 in the slide valve 8 and the end of the cavity 10. When the volume of the cavity of the cylinder 1 piston is twice the volume of the stem cavity 2, the speed of movement of the piston rod 5 on both sides the same as half the volume of the piston cavity 3 through zapolnits draining hydraulic fluid from the rod end 2. If the force applied to the rod 5. uvelichits (force F in Figure 1) and the piston 4 ostanovits then davletHHe working fluid in the piston chamber 3, and accordingly in the end face of the cavity 10 of the spool valve 7 is increased. Under the influence of a high pressure spool 8 peremestits the leftmost position, so that r

plane B–B spool sovmestits with an annular cavity 24. Sluchaedostup in. This working fluid from the rod end of the piston cavity 2 in 3 will be closed and the workers; fluid from the rod end by merging two annular cavity 24, angled passages 17 and 18, the portion 14 of the axial passage and the end zolotnike.8 in cavity 6 to the distributor 9. shtokrva Since the cavity 2 of the cylinder 1 soedinits flush, then the moving speed at Stem 5 is achieved a higher force F, i.e. provided another mode of operation of the cylinder. But as soon as the external force is lowered with P, the fluid pressure in the cavity 10 is also lowered with spool 8 peremestits spring 22 to the right so chtoeliv hydraulic fluid from the rod end of the piston 2 and 3 vozobnovits moving speed shaft 5 to rise again. Selecting different volumes piston rod 2 and 3 cylinder cavities 1, allows you to control the force and speed of the rod 5 in different bands at the same flow rate of the working fluid through the valve 6. If overlapping channels distributor stock 6 5 will be fixed under the action of a variable force F because of the closed rod cavity 2 plums always blocked Nick 8 gold, and from the piston cavity 3 pa boccia fluid can not get to the rod end of 2 due to the large obema.porshnevoy compared with INTO kovoy cavity Hydraulic control provides a dual mode operation hydraulic to give, if necessary, high force on the piston rod. Also increased reliability and simplified structure by replacing a single stage of the differential valve and check valve exception. The hydraulic system controlling the claims, comprising a differential cylinder, mounted therein to form the cavities and the piston rod with piston shto1 {ohm distributor podklyuchenntsy the cylinder cavity and disposed parallel with the distributor slide valve in the axial bore and the end of the spring–loaded spool cavities in the housing, Connections to the cavities of the cylinder, characterized in that in order to provide dual mode control, increase reliability and simplify the design of the spool mounted in the channel plate, the channel section guide into two areas, the spool is provided with an angle to each other angled channels output schimi on the surface of the two mutually perpendicular planes, and the frame – the abutments for spring engagement with the spool and the two annular cavities, one of which communicates with the cavity through one SIZING portions of the axial passage and hollow piston cylinder, and the other – with rod end of the cylinder and through the angular channels – with both sections of the channel or cavity through the second allen – distributor. – Sources of information received into account in the examination 1. USSR Author's Certificate ?, Cl, F 15 15/22, 1980.

0) SU1003888A – DISC MILL

53) Family number: 2798126 (SU1003888A) © PatBase

Title: DISC MILL

Priority: SU19813367433 19810812

Family:

Publication number	Publication date	Application number	Application date
SU1003888 A1	19830315	SU19813367433	19810812

Probable Assignee: AKTYUBINSK OTDEL KAZAK NI GEOL

Assignee(s):(std)**:** AKTYUBINSK OTDEL KAZAK NI GEOL

Assignee(s): AKTYUBINSKOE OTDEL KAZAKHSKOGO NI GEOLOGORAZVEDOCHNOGO NEFTYANOGO I (AO KAZ NIGRI)

Inventor(s):(std)**:** KARIMOV NAZIF KH ; KLESHCHEV MIKHAIL I ; RAKHMATULLIN TALGAT K ; TKACHEV VLADIMIR I

Inventor(s): TKACHEV VLADIMIR I SU ; RAKHMATULLIN TALGAT K SU ; KLESHCHEV MIKHAIL I SU ; KARIMOV NAZIF KH SU

International class (IPC 8–9): B02C7/08 (Advanced/Invention); B02C7/00 (Core/Invention)

International class (IPC 1–7): B02C7/08

Classification Explorer

Forward Citations: RU2544651,

Abstract:
Source: SU1003888A Invention otnostts subject to grinding equipment and may be used for grinding various Call mate rials, such as crumb rubber, the incoming part of the lightweight cement slurry for cementing wells. Known disc. Mill sode1 zhasha boot device probo1fi "1nik, vrashayuschiys and fixed wheels mounted coaxially with each other, work surfaces made on hyperbolic curves with spiral grooves alternating section deployed in opposite directions, however, Dunn C 1 mill not provide Chiva abrasion rubber to a high degree of grinding. Closest to the proposed technical solution is a disc eraser containing the drive casing, in which Upper fixed coaxially arranged with a central hole for supplying material and ndzhny rotating discs with Central and peripheral) 1uyu zone rvemalyvayushimi working surfaces, and ra boccia poverhnosst pentrashloy area of the disc is inclined to work whose peripheral surface 2. eraser is not known, however, provides opportunities abrasion rubber crumb to a high degree of grinding. Is explained by the fact that the cavity itself attrition zeyshyuchenia between hyperbolic working surfaces of the upper disk and working surface of the bottom disk. Small. Major, crumb rubber particles in IE–create their elastic properties at the junction gate of the hyperbolic surface of the central zone of the stationary disc in the gap between the peripheral zones disc preventing further abrasion. The purpose of the invention – to improve the degree of grinding rubber crumb.. delivered chain is achieved in that in the known disc mill, comprising actuator housing, wherein the upper stationary mounted coaxially with a central opening for feeding the material and 1shzhnny vraschayunday with discs having a central and a peripheral zone with milling working surfaces, wherein the operating tsentralnoy.zony upper disk surface is inclined to work poverhnooti peripheral zone, central zone of the working surface as the upper and lower disk inclined at 1 yr scrap, the working surface of the peripheral zone, and in the central areas of both disks from the working surfaces are radial ka: Navka, uniformly spaced along the circumference and inclined at yrnoMi 14–18 to the peripheral areas, also by koTopbfx grooves, is a continuation–propelling radial grooves, and the central zones angled to their axes, wherein the channel and the peripheral zone matches the lower disc are arranged symmetrically with respect to axis angled radial grooves 5 and grooves 4D peripheral zone of the upper disk located on one axial side of the radial grooves at an angle greater than the angle of the grooves of the lower peripheral region of the disk relative to the respective axes at 3–12. Fig. 1 schematically shows being offered disc mill, Weeden Fig. 2 – upper fixed plate, a bottom view; Fig. 3 – the bottom rotary disc, top view; Fig. 4 –. section A–A in Fig. 1. disc mill comprises an actuator 1, case 2, in which coaxially raamescheny–3 fixed upper and lower 4 rotating wheels. In the upper disc 3 is fulfilled–Central hole A, equipped with a funnel 5 for feeding rubber crumb. top 3 and bottom. 4 wheels are respectively the central and C and p and peripheral zone with milling workers poverhnostshli. worksurface and R (3 upper and 3 lower disks form a cavity 4 H, in which the grinding rubber crumb. worksurface F and Q both disks 3 and 4 differ from one another only by the peripheral zone) and a central zone B and C are identical. In the central region of the upper nepodvizhnogo11iska 3 is a 5 part vsholmena work surface with a slope of 1.5 to the peripheral zone D. Dentralna area from the bottom of the rotating disk 4 is a part of the work surface and vy0 popnena also with a bias of 1.5 to peripheral zone,. On central zones B and C from the working surfaces of the upper and lower 3 4 discs made cutter $–diameter 15 mm 10 adialnyh p grooves 6 and 7 through 36 with a gradient 14–18 degrees to the peripheral zones T) and. 0 Slopes central zones B and C 1,5 degrees slopes and radial grooves 6 and "7 L 14–18 selected experimentally necessary and sufficient for preliminary grinding and

abrasion rezi5 new chips in the cavity H formed by the central zones B and C. peripheral zone g lower rotating disk is an annular portion of the working surface schir: tion and g 120 mm. From the work surface at the peripheral zone is symmetrical about the axis of the radial groove 7 is fulfilled grooves 8 and 9 cutter with a diameter of 6 mm depth. 1 mm, rays diverging from the ends of the radial grooves 30 with angles and propelling them 5shl continuation channel and ki 8 directed in the direction opposite to the rotation of the lower disc 4, serve to v.ybrosa shredded crumb rubber into the receptacle (not shown) and a groove 9, directed towards the rotational disc 4 1shzhnego serve to return step unground particles larger crumb rubber in the cavity H to re–pulverizing them. ci– Angle 30 is selected depending on the speed of rotation of the lower disc 4 of 5 –40 limits than. greater the velocity of rotation, the angle is less than the secant prohodyschey through the center of rotation and the tangent to the trajectory of movement of the shredded rubber crumb from the center to periphery (Fig. 2). peripheral zone of the upper fixed disk D is an annular portion of the working surface of the F 120 mm wide. By the workers surface peripheral area F pa T) in one radial direction relative to the axis 6 kanaok angled grooves 45 fb 10 mill with a diameter of 6 mm 1 mm deep directed aside protivopol} Knuyu B1 ascheniyu lower disk 4, and is a continuation of propelling radical kshhavok 6 central zone B. angle at which the groove 10 is fulfilled in the upper stationary disc 3 relative to the axes of the grooves 6 exceeds rar1alnyh angle oL–5–4O degrees, by which the grooves 8 and 9 is coaxially installed on the lower rotating disk 4 with respect Shams analogous ; the axes of radial grooves 7 3–12. This is necessary in order during operation of the mill to the groove zone peripherally {3 the fixed upper and lower rotating disks 4 tsrug may intersect with one another and not nayshdyvats each other, creating the effect than an effect of partial abrasion of cutting the rubber crumb. For example, the groove 10 formed on the peripheral portion 3 of the upper disk 3 at an angle of 1 to 45, with 54Cr O6 under which diverge grooves 8 and 9 on the peripheral vsholnegaye portion 6. fixed plate 4, the following effects. If the systems cross grooves 1O, vsholnennoy fixed disk on the top 3, angled | b. 45 with the groove 8 formed on the lower rotating disk 4, directed against the rotating disk 4 cL angle 30 degrees, a small angle of intersection obtained 2f (which creates a lower effect). When crossing grooves 1O, vsholnennoy the upper stationary disc 3 at an angle of | L 45 with a groove 9 formed in the lower rotating disk 4 directed toward the rotating disk 4 at an angle oL 30 is obtained at an angle of intersection, which approaches the order of 90 to the return path is large crumb rubber for perelampza polsyut H–, ki was staged. Material work surfaces F and § both drives 3 and 4 – steel sc and. Rowan coated element. gap between the discs 3 and 4 before. Lah 0.1–2; eEsperimeatalno selected mm. disc mill works as follows. through funnel 5 ustanovle1shuyu A central opening in the upper stationary disc 3 installed in the casing 2, supplied tailors the rubber. Under its own weight, it settles into the cavity between the fixed H 3 and 4 rotating disks. From one drive communicates rotational motion lower him disc 4. As a result scheascheni lower disc 4 relative to the upper stationary disc 3 jamming occurs crumb rubber in the grooves 6 and 7 tsenralnoy VIS areas between the working surfaces of the F and G and grinding effect due to its Nozhnin which is accomplished by the cross–over of the grooves 6 and 7, the upper 3 and lower 4 disks. Izmelcheiffla a rubber kroiysa meschaets lane and from the center to the peripheral zones D and E under the influence. aentrobe number forces arising during rotation of the lower disc 4, and tends to get in the groove 8 of the peripheral area F. If the rubber is comminuted kroschka diameter smaller than the depth of the groove 8 under the action of centrifugal forces, it is discharged into the receptacle. If the comminuted rubber crumb diameter bol1esche groove depth 8, it can clog the groove 8. In this case, the crumb rubber is subjected to a centrifugal force of friction on the fixed disk 3 and striking force n groove walls 4 and 8 rotary grooves 1O tion fixed disk 3 (scissor effect). These forces crumb rubber razmelchaets and abraded. If fush1a crumb rubber gets in the groove 9 of the rotating disk 4, when perekreschiva1shi their grooves 10 of the fixed plate 3, it is transported by step path in zone B. crumb rubber as it makes the circuit, the transition from zone C to zone B until no powder is comminuted to a particle size of 0,1–0, O1 mm. Supply central call radnaly governmental grooves equally spaced around the circumference, and supply zones pervferiynyh grooves.51 terephthalate is a continuation of the radial and aimed at predetermined angles, creates the effect of shear during grinding reainy. Vsholnenie central zones of work surfaces and radial grooves of the central zone of the rotating disk with the lower slope and grooved peniferiynyh zones under zadannykt raspolozheshp E: angles facilitates return of large unground rubber particles in the central zone, shredding and recycling them as we move to abrasion.. So perifer1sh way constructively formed two working grinding cavity – for IE–melchani and abrasion rubber. One is for predvaritelnoogo izmelchegsh, a second – for final grinding and abrasion of that yields a high degree of grinding particles. CLAIMS disc mill, comprising a drive casing in which the upper stationary mounted coaxially with a central hole for supplying materiyla and lower rotating discs having a central and a peripheral zone with milling working poverhnoot E, wherein the working surface area of the upper disk tsenrralnoy inclined towards the peripheral working surface zone, characterized in that, for the purpose povyscheshsh freeness of crumb rubber, the operating surface of the central area of both upper and lower disc is tilted at an angle of 1.5 to the working surface of the peripheral zone, and in the central zones of both disks from the working surface is formed us and radial grooves raopolozhennye uniformly circumferentially and inclined at an angle to the peripheral zones 14–18, which is fulfilled and the groove is a continuation of the radial grooves propelling tsentreshnyh zones and arranged at an angle to their axes, wherein the peripheral area of the groove bottom disk positioned symmetric about the axis rbschia nyh angled grooves, and the grooves of the peripheral area of the upper disk located on one side of the radial axes of the grooves at an angle greater than the angle of the grooves of the peripheral area of the lower disc about respective axes 3–12. Sources of information received into account in the examination 1.Avtorskoe USSR certificate number 454929, cl. In 02 C 7/O2, 1971. 2.Avtorskoe certificate number 281139, cl. B 02 C 7/08, 19b7 (prototype). 8 Traektyri Ooi Keni particles K N Central 1rascheni f} ffCffm / fi Hff / i KanooKi HtnooSuiKHoze disk

0) US4721214A – INSULATED POT WITH POURING SPOUT

54) Family number: 17863318 (US4721214A) © PatBase

Title: Insulated pot with pouring spout

Priority: DE19830027217U 19830922 DE19838327217 19830922 EP19840903629 19840919 DE19843471437 19840919 WO1984EP00287 19840919

Family:

Publication number	Publication date	Application number	Application date
AT34514 E	19880615	AT19840903629T	19840919
AU198434380 A1	19850411	AU19840034380	19840919
DE3471437 D1	19880630	DE19843471437	19840919
DE8327217 U1	19840315	DE19830027217U	19830922
EP0160016 A1	19851106	EP19840903629	19840919
EP0160016 B1	19880525	EP19840903629	19840919
IT1198926 A	19881221	IT19840009501	19840921
IT8409501 A0	19840921	IT19840009501	19840921
JP61500103 T2	19860123	JP19840503615	19840919
US4721214 A	19880126	US19870052203	19870519
WO8501202 A1	19850328	WO1984EP00287	19840919

Probable Assignee: ZENNON HAMBURG GMBH

Assignee(s):(std)**:** EW GROSSHANDEL GMBH CO KG ; EWG INT LTD ; E W G INTERNATIONAL LTD ; WANDEL STEPHAN H A

Assignee(s): ZENNON (HAMBURG) GMBH ; ZENNON HAMBURG GMBH ; EW GROSSHANDEL GMBH AND CO KG ; ZENNON GMBH ; EWG INTERNATIONAL LTD ; EWG INTERNATIONAL LTD HONG KONG HK ; E W G INT LTD

Inventor(s):(std)**:** WANDEL STEPHAN ; WANDEL STEPHAN H A ; WANDEL STEPHAN HA

Inventor(s): WANDEL STEPHAN H ; STEPHAN H A WANDEL ; WANDEL SHA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: AT AU BE CH DE FR GB JP LI LU NL SE US

International class (IPC 8–9): A47G19/12 A47G19/14 A47G23/04 A47J41/00 A47J41/02 (Advanced/Invention); A47G19/00 A47G23/00 A47J41/00 (Core/Invention)

International class (IPC 1–7): A47G23/04 A47J41/00 A47J41/02

CPC: A47G19/127 A47G19/14 A47J41/0072

European class: A47G19/12Q A47G19/14 A47J41/00G5

US class: 215/13.1 222/183 222/572 D7/321

Classification Explorer

Cited documents: US877321 A, US71900 A, US4553676 A, US425400 A, US3355045 A, US3341045 A, US3094448 A, US3037652 A, US2818900 A, US18546 A, GB907329 A, GB778550 A, GB685562 A, GB450427 A, GB189614566 A, GB14566, DE8302563 U, DE469992 A, DE1081633 B, CH142396 A, BE382981 A,

Forward Citations: WO16070102, USD793155, US9687105, US5968618, US5503060, US5085337, US2015072058, EP0873710, EP0873710,

Abstract:
Source: US4721214A An insulated vessel comprises a container of plastic material and open at the top, the container including an upper part and a lower part, with a glass flask open at the top being accommodated in said container, and the container further including a handle and a pouring spout, the handle and the pouring spout being molded onto or formed integrally with the container, and the vessel further including a cover for its top opening. In order to enable the external form of the vessel to most closely match that of a traditional coffee serving pot, it is provided with the pouring spout integrally attached to the lower half of the container and extends freely to the height of the top opening of the container, and that the glass flask comprises a member in the form of

a tubular projection or nipple which extends into the pouring spout.

0) BRMU6400154U – SISTEMA E BUCHA PARA O CUBO DE TRATOR DE MARCA ...

55) Family number: 621773 (BRMU6400154U) © PatBase

Title: SISTEMA E BUCHA PARA O CUBO DE TRATOR DE MARCA CBT. SYSTEM AND CHUCK FOR THE TAG CBT TRACTOR CUBE. (Machine translation)

Priority: BR1984MU00154U 19840201

Family:

Publication number	Publication date	Application number	Application date
BRMU6400154 U	19840605	BR1984MU00154U	19840201

Probable Assignee: BERNARDINO MARTINS FERNANDES

Assignee(s):(std)**:** BERNARDINO MARTINS FERNANDES

Inventor(s):(std)**:** BERNARDINO MARTINS FERNANDES ; FERNANDES BERNARDINO MARTINS

International class (IPC 8–9): F16B19/00 (Advanced/Invention); F16B19/00 (Core/Invention)

International class (IPC 1–7): F16B19/00

Classification Explorer

Abstract:
Source: BRMU6400154U RESUMO Patente de Modelo de Utilidade de SISTBffiA E BUCHA PA– RA O CUBO BB TRATOR BE MARCA CBTt compreendendo o corpo cilindrico (1), de aco, com uma abertura (2) na extremidade, e no lado oposto a parede da bucha pros– cegue era forma de chanfro anular (3), que converge 1 p–iv o plano anular (4), que circtinscrove parede bole ada (5); a bucha apresenta as medidas: altura 39 mral; dian–.otro externo 33,3 mral; diametro interno 32,1 mral; profundidade 31,2 mral. Utility model patent SUMMARY of SISTBffiA and LOOFAH PA–RA the cube BB TRACTOR BE CBTt MARK comprising the cylindrical body (1), stainless steel, with an opening (2) at the end, and on the opposite side of the wall bushing pros–blind was the form of cant cancel (3), which converges p–1 iv the plan void (4), which circtinscrove wall bole ada (5); the Chuck presents the measures: height 39 mral; Dian–external 33.3 mral otro; ID mral 32.1; depth mral 31.2.

0) BR8303147A – IMPULSOR DE AGUA DE ALTA ROTACAO ATRAVES DE ROS...

56) Family number: 625375 (BR8303147A) © PatBase

Title: IMPULSOR DE AGUA DE ALTA ROTACAO ATRAVES DE ROSCA LIGADA A CAPA GIRATORIA HIGH WATER IMPELLER ROTATION BY ROTATING SCREW CONNECTED TO COVER (Machine translation)

Priority: BR19830003147 19830614

Family:

Publication number	Publication date	Application number	Application date
BR8303147 A	19850122	BR19830003147	19830614

Probable Assignee: MENDONCA VIRGILIO A

Assignee(s):(std)**:** MENDONCA VIRGILIO A

Assignee(s): VIRGILIO ANTONIO DE MENDONCA

Inventor(s):(std)**:** MENDONCA VIRGILIO ANTONIO DE ; VIRGILIO ANTONIO DE MENDONCA

International class (IPC 8–9): F04D1/04 (Advanced/Invention); F04D1/00 (Core/Invention)

International class (IPC 1–7): F04D1/04

Classification Explorer

Abstract:
Source: BR8303147A RESUMO DE INVENCAO Patente de invencao «IMPULSOR DE AGUA DE ALTA ROTACfiO ATRAVES DE ROSCA ELICOIDAL LI9ADA A CAPA GI– RATORIA" O5' Patente de invencao de um impulsor de agua de/ alta rotacao atraves de rosca elicoidsl ligada a ca– pa giratoria, caracterizada por uma rosca de passa// longa embutida em uma capa coletora fixada pela topa superior, atraves de parafusos, a um tubo condutor / 10 ajustado em um rolamento axial de encosto fixo na ba se principal a qual atraves de um braco alongado ceri traliza a rosca de passo longo e a capa coletora por uma bucha, no interior do tubo condutor e ajustado a_ traves de gavetas um outro tubo condutor fixo fixado 15 atraves de uma bracadeira fixa na base. Onde e fixo/ um motor de alta rotacao cujo eixo tem fixo uma poli_ a movida que transmite movimento a polia motora, fi xa no tubo condutor, atraves de uma correia am V. D sistema impulsor da rosca de passe longo e a capa giratoria sao protegidas por uma tela fixa no// braco da base. 20 SUMMARY of INVENTION patent of invention «HIGH WATER ROTACfiO IMPELLER SCREW ELICOIDAL LI9ADA via the cover GI–RATORIA "O5 ' patent of invention of a water impeller/high–rise rotation by elicoidsl thread connected to ca–pa computer Chair, characterized by a threaded pass//long embedded in a drip cover fixed by check, screw top, a tube driver/10 set in a thrust bearing of fixed backrest in ba if main which through an arm stretched ceri traliza thread pitch long and drip cover by a bushing, inside the Guide hose and set the _ beams, drawers another fixed fixed conductor tube 15 through a fixed bracadeira on the base. Where and fixed/a high engine rotation whose axis has fixed a poly _ moved the pulley movement channel, tube driver, fi xed by a strap am v. D screw impeller system of long ball and the rotating cover are protected by a fixed screen on//the base arm. 20

0) IT1067212A – BOCCIA E DISTANZIALE ELASTICI PER L ARMAMENTO D...

57) Family number: 2355490 (IT1067212A) © PatBase

Title: BOCCIA E DISTANZIALE ELASTICI PER L ARMAMENTO DI RETI A STRASCICO PARTICOLARMENTE ADATTA ALL ESERCIZIO DELLA PESCA SU FONDALI ROCCIOSI E FRASTAGLIATI PERCHE LA BOCCIA NELL URTO CONTRO L OSTACOLO RIMBALZA E PER REAZIONE SOLLEVA LA RETE EVITANDO DANNI

Priority: IT19760017701 19760205

Family:

Publication number	Publication date	Application number	Application date
IT1067212 A	19850316	IT19760017701	19760205

Probable Assignee: PETRUCCI FERDINANDO

Assignee(s):(std)**:** CRACCHIOLO FILIPPO ; PETRUCCI FERDINANDO

International class (IPC 8–9)**:** A01K (Subclass/Invention)

International class (IPC 1–7)**:** A01K

Classification Explorer

0) SU1159890A – INDICATOR COMPOSITION FOR DETECTING AMMONIA VAP...

58) Family number: 3401115 (SU1159890A) © PatBase

Title:	INDICATOR COMPOSITION FOR DETECTING AMMONIA VAPOURS
Priority:	SU19843685115 19840103

Family:

Publication number	Publication date	Application number	Application date
SU1159890 A1	19850607	SU19843685115	19840103

Probable Assignee:	FROLKOV ANATOLIJ Z
Assignee(s):(std):	FROLKOV ANATOLIJ Z ; PAUKKU NATALYA M ; POROSHINA SVETLANA A
Assignee(s):	POROSHINA SVETLANA A SU ; PAUKKU NATALYA M SU ; FROLKOV ANATOLIJ Z SU
Inventor(s):(std):	FROLKOV ANATOLIJ Z ; PAUKKU NATALYA M ; POROSHINA SVETLANA A
Inventor(s):	POROSHINA SVETLANA A SU ; PAUKKU NATALYA M SU ; FROLKOV ANATOLIJ Z SU
International class (IPC 8–9):	G01N31/22 (Advanced/Invention); G01N31/22 (Core/Invention)
International class (IPC 1–7):	G01N31/22

Classification Explorer

Abstract:
Source: SU1159890A COMPOSITION FOR INDICATING vapor detection AMMHAJCA, VC; Boccia alizarinkomplekson polyethylene and silica, wherein in order to increase the reliability of detection of ammonia vapor, the composition further comprises a PTFE in the following ratio, by weight. percent: Alizarinkomplekson.0 Ftoroplast30–4,16–40–6 Silica Polietilen4 Other

0) IT7828752A – BOCCIA DA GIUOCO IN PARTICOLARE AD USO PURAMENT...

59) Family number: 2427404 (IT7828752A) © PatBase

Title: BOCCIA DA GIUOCO IN PARTICOLARE AD USO PURAMENTE RICREATIVO, INVILLEGGIATURA E SIMILI, FORMATA DA UN AGGLOMERATO COERENTE DI LEGNO ESSENZIALMENTE TRUCIOLARE E DI UN LEGANTE RESINOSO.

Priority: IT19780028752 19781013

Family:

Publication number	Publication date	Application number	Application date
IT1099724 A	19850928	IT19780028752	19781013
IT7828752 A0	19781013	IT19780028752	19781013

Probable Assignee: LONDERO LUCIO

Assignee(s):(std)**:** LONDERO LUCIO

International class (IPC 8–9)**:** A63D (Subclass/Invention)

International class (IPC 1–7)**:** A63D

Classification Explorer

0) SU1211631A – ARRANGEMENT FOR SPECIMEN TESTING

60) Family number: 3560291 (SU1211631A) © PatBase

Title: ARRANGEMENT FOR SPECIMEN TESTING

Priority: SU19833658122 19830926

Family:

Publication number	Publication date	Application number	Application date
SU1211631 A1	19860215	SU19833658122	19830926

Probable Assignee: MAILBOX V 2775 CO

Assignee(s):(std)**:** EVGENEV ALEKSANDR N ; GOLOVKO SERGEJ YU ; MAILBOX V 2775 CO

Assignee(s): GOLOVKO SERGEJ YU SU ; EVGENEV ALEKSANDR N SU

Inventor(s):(std)**:** EVGENEV ALEKSANDR N ; GOLOVKO SERGEJ YU

Inventor(s): GOLOVKO SERGEJ YU SU ; EVGENEV ALEKSANDR N SU

International class (IPC 8–9): G01N3/10 (Advanced/Invention); G01N3/10 (Core/Invention)

International class (IPC 1–7): G01N3/10

Classification Explorer

Abstract:
Source: SU1211631A Invention relates to devices for controlling the biasing force on the sample and allows to increase the accuracy of test results. Ra–boccia Wednesday, getting entrained into the cavity through a perforated filler fills the volume of the sample. Excessive pressure in the sample affected by the medium on the notation. shell, their separation from the filler. Thus there is a self–centering of the sample due to the bellows, which is filled with the sample under compression the working environment of an additional source of pressure, providing knowledge. koperemennoe sample loading. 1 yl.

0) IT8653504U – BOCCIA DA GIOCO IN RESINA SINTETICA

61) Family number: 17510875 (IT8653504U) © PatBase

Title:	BOCCIA DA GIOCO IN RESINA SINTETICA
Priority:	IT19860053504U 19860606

Family:

Publication number	Publication date	Application number	Application date
IT8653504 U0	19860606	IT19860053504U	19860606

Probable Assignee:	C A S T S A S DI BONIVARDO B E
Assignee(s):(std)**:**	C A S T S A S DI BONIVARDO B E
Assignee(s):	C A S T S A S DI BONIVARDO B E C ; CAST SAS DI BONIVARDO BE C

0) SU243793T – METAL CONTINUOUS CASTER

62) Family number: 3622373 (SU243793T) © PatBase

Title: METAL CONTINUOUS CASTER

Priority: SU19681207303 19680102

Family:

Publication number	Publication date	Application number	Application date
SU243793 A1	19860823	SU19681207303	19680102
SU243793 T	19860823	SU19681207303	19680102

Probable Assignee: BROVMAN M YA

Assignee(s):(std)**:** BROVMAN M YA ; KRIVOSHEIN YU V ; SOLOVEV YU P ; SURIN E V ; MATVEEV V V

Assignee(s): MATVEEV V V SU ; SOLOVEV YU P SU ; SURIN E V SU ; KRIVOSHEIN YU V SU ; BROVMAN M YA SU

Inventor(s):(std)**:** SURIN E V ; SOLOVEV YU P ; MATVEEV V V ; KRIVOSHEIN YU V ; BROVMAN M YA

Inventor(s): SURIN E V SU ; BROVMAN M YA SU ; KRIVOSHEIN YU V SU ; MATVEEV V V SU ; SOLOVEV YU P SU

International class (IPC 8–9): B22D11/14 (Advanced/Invention); B22D11/14 (Core/Invention)

International class (IPC 1–7): B22D11/14

Classification Explorer

Abstract:
Source: SU243793T INSTALLATION continuous metal casting comprising the filling device and mold, pa ss boccia cavity which is formed by a helical rasgolozhennym line trough the wheel and the inner surface –chostyu embracing his sleeve t–lichayuscha about the fact that, in order to reduce the friction between the and the ingot mold, the wheel is in the form of a torus and the filling device is arranged rotatably around the torus.

0) BRMU6500147U – BUCHA PARA O SISTEMA DE ARTICULACAO DE LAMINAS ...

63) Family number: 653135 (BRMU6500147U) © PatBase

Title: BUCHA PARA O SISTEMA DE ARTICULACAO DE LAMINAS DE TESOURAS OU SIMILARES BUSHING FOR THE COORDINATION SYSTEM OF BLADES OF SCISSORS OR SIMILAR (Machine translation)

Priority: BR1985MU00147U 19850211

Family:

Publication number	Publication date	Application number	Application date
BRMU6500147 U	19860916	BR1985MU00147U	19850211

Probable Assignee: ZIVI SA

Assignee(s):(std)**:** ZIVI S A CUTELARIA ; ZIVI SA

Assignee(s): ZIVI CUTELARIA SA

Inventor(s):(std)**:** BORNANCINI JOSE CARLOS MARIO

Inventor(s): JOSE CARLOS MARIO BORNANCINI

International class (IPC 8–9): B26B13/28 (Advanced/Invention); B26B13/00 (Core/Invention)

International class (IPC 1–7): B26B13/28

Classification Explorer

Abstract:
Source: BRMU6500147U i RESUMO Patente de Modelo de Utilidade "BUCHA PARA O SISTEMA. DE ARTICULACXO DE LtMHULS DE TESOURAS OU SIMI– LARES". $ Bucha para o sistema de articulacao de lami– nas de tesouras ou similares, caracterizada pelo Dato de ser constituida por uma cabeca cilindrica (1) com topo convexo de onde se projeta concentrlcamente um corpo (2) cilindrico tendo dois chanflros planos paralelos (3> em 10 todo seu comprimento e um furo circular (4) interno Indo desde a base oblonga (?) do corpo ate alem do plano da borda Inferior da cabeca (1). Abstract patent of utility model "BUSHING for the system. Of ARTICULACXO of LtMHULS of SCISSORS or SIMI–HOMES. " $ Bushing for the coordination system of lami–in of scissors or similar, characterized by Dato to be composed of a cylindrical head (1) with top convex where projects concentrlcamente a body (2) cylindrical having two parallel plans (> 3 chanflros in 10 all its length and a circular hole (4) internal from the oblong base (?) of the body until beyond the bottom edge of the head (1).

0) US4698954A – GUIDE FOR ZIPPERED FILM IN A FORM, FILL AND SEA...

64) Family number: 5407215 (US4698954A) © PatBase

Title: Guide for zippered film in a form, fill and seal packaging machine

Priority: EP19870907461 19871013 US19860889551 19860725 WO1987US02625 19871013

Family:

Publication number	Publication date	Application number	Application date
AT67973 E	19911015	AT19870907461T	19871013
AU198782314 A1	19890502	AU19870082314	19871013
AU611873 B2	19910627	AU19870082314	19871013
BRPI8707913 A	19891031	BR1987PI07913	19871013
DE3773494 A1	19911107	DE19873773494	19871013
DE3773494 D1	19911107	DE19873773494	19871013
DK289689 A	19890613	DK19890002896	19890613
DK289689 A0	19890613	DK19890002896	19890613
EP0335876 A1	19891011	EP19870907461	19871013
EP0335876 A4	19900628	EP19870907461	19871013
EP0335876 B1	19911002	EP19870907461	19871013
HU51554 A2	19900528	HU19870005788	19871013
JP2501563 T2	19900531	JP19870506879T	19871013
NO892350 A	19890608	NO19890002350	19890608
NO892350 A0	19890608	NO19890002350	19890608
US4698954 A	19871013	US19860889551	19860725
WO8903345 A1	19890420	WO1987US02625	19871013

Probable Assignee: SC JOHNSON HOME STORAGE INC

Assignee(s):(std)**:** DOW CHEMICAL CO

Assignee(s): DOW CHEMICAL COMPANY THE ; DOWBRANDS INC ; DOWBRANDS LP ; SC JOHNSON HOME STORAGE INC ; THE DOW CHEMICAL COMPANY

Inventor(s):(std)**:** BEHR R DOUGLAS ; BEHR DOUGLAS ; BEHR DOUGLAS R ; ZIEKE LARRY M ; ZIEKE M

Inventor(s): BEHR R ; DOUGLAS R BEHR ; LARRY M ZIEKE ; R DOUGLAS BEHR

Agent(s): PHILLIPS ORMONDE FITZPATRICK

Designated states: AT AU BE BR CH DE DK FR GB HU IT JP KR LI LU NL NO SE

International class (IPC 8–9)**:** B65B9/13 B65B9/20 (Advanced/Invention); B65B9/06 (Advanced/Non–invention)

International class (IPC 1–7)**:** B65B9/06 B65B9/14

CPC: B65B9/13 B65B9/20 B65B61/188

European class: B65B61/18E B65B9/13 B65B9/20

US class: 493/345 53/551 53/567

Classification Explorer

Cited documents: US4571235 A, US4545181 A, US4528224 A, US4481754 A, US4355494 A, US4107900 A, US4094729 A, US4024010 A, US4007865 A, US4007494 A, US3815317 A, US3492775 A, US3314210 A, US3181583 A, US2761264 A, US1995462 A,

Forward Citations: WO9013485, USRE44934, US9014847, US8636172, US8326455, US7885725, US7604828, US7223017, US6588177, US5425216, US5412924, US5261466, US5149065, US5127208, US5118203, US5107658, US5050736, US5046300, US5014856, US5005707, US4999975, US4969309, US4829745, US4823961, US2011166700, US2011125318, US2011125317, US2008066430, US2007156282, US2006246185, US2005137073, EP0748900, EP0312665, EP0312665,

Abstract:
Source: US4698954A An apparatus is disclosed for providing uninterrupted guidance of a reclosable bag through a filling station in a form fill and seal system. The apparatus includes a guide mechanism positioned inside the bag film for providing uninterrupted guidance of the bag film through the filling station. The guide mechanism includes a first guide wheel for engaging the bottom of the bag film and a second guide wheel for engaging interlocked fastener elements on opposing plies of the bag film. A separating device is positioned along the path traveled by the bag film for separating the interlocked fastener elements as the bag film is advanced.

0) DE8709808U1 –

65) Family number: 17567257 (DE8709808U1) © PatBase

Priority: DE19870009808U 19870716

Family:

Publication number	Publication date	Application number	Application date
DE8709808 U1	19871126	DE19870009808U	19870716

Probable Assignee: INNOCENTI BRUNO NEUHAUSEN CH

Assignee(s): INNOCENTI BRUNO NEUHAUSEN CH

International class (IPC 8–9): F42B6/00 (Advanced/Invention); F42B6/00 (Core/Invention)

International class (IPC 1–7): A63B65/02 F41J3/00

CPC: F42B6/003

European class: F42B6/00B

Classification Explorer

Cited documents: US4199146, US3857566, US3746334, US3181269, DE8529040, DE7913672, DE7232809,

Abstract:
Source: DE8709808U1 (Claim 1) 1. Wurfpfeilspiel umfassend einen zum Werfen bestimmten Zielkoerper und mehrere Wurfpfeile (1) mit je einem Schaft (2), einem Leitapparat (4) am hinteren Schaftende und eine.. Frontkoerper (3) am vorderen Schaftende, wobei die Pfeile (1) in mehrere Gruppen aufgeteilt sind, die unter sich gleiche sind.

Machine translation: (Claim 1) 1 Dart game comprising a certain Zielkoerper for throwing darts and more (1), each with a shank (2), a diffuser (4) at the rear end and a shank.. Frontkoerper (3) on the front shaft end, with the arrows (1) are divided into several groups, among which are the same.

66) Family number: 191869 (BRMU6602544U) © PatBase

Title: BOCHA DE TACO TACO BOWLS (Machine translation)

Priority: BR1986MU02544U 19861217

Family:

Publication number	Publication date	Application number	Application date
BRMU6602544 U	19880105	BR1986MU02544U	19861217

Probable Assignee: AMADEU MENDES LINDO

Assignee(s):(std)**:** AMADEU MENDES LINDO

Inventor(s):(std)**:** LINDO AMADEU MENDES

Inventor(s): AMADEU MENDES LINDO

International class (IPC 8–9)**:** A63D15/00 (Advanced/Invention); A63D15/00 (Core/Invention)

International class (IPC 1–7)**:** A63D15/00

Classification Explorer

Abstract:
Source: BRMU6602544U RESUMO Patente de Modelo de Utilidade "BOCHA DE TACO", consti– tuida por mesa retangular (1), com pes (2) e tampo (3) dividido em campos (6–7) e pequenas areas (8–9), como 05 tambem possui batentes laterais (12), finalizando assim uma cancha ideal para o jogo de bocha com tacos. Patent of utility model SUMMARY "TACO BOWLS", pose tuida by rectangular table (1), with pes (2) and (3) top divided into fields (6–7) and small (8–9), as 05 also has lateral stops (12), finishing a course ideal for the game of boules with tacos.

0) DD253552A – VERFAHREN ZUM GLEICHZEITIGEN FAERBEN UND AUSRUE...

67) Family number: 5931150 (DD253552A) © PatBase

Title: VERFAHREN ZUM GLEICHZEITIGEN FAERBEN UND AUSRUESTEN TEXTILER ZELLULOSESTOFFE

Priority: DD19840259151 19840103 SU19823554084 19841229 SU19843554084 19841229

Family:

Publication number	Publication date	Application number	Application date
DD253552 A3	19880127	DD19840259151	19840103

Probable Assignee: ICHTI

Assignee(s):(std)**:** ICHTI

Assignee(s): ICHTI SU

Inventor(s):(std)**:** KUSTACEVA NINA S ; MELNIKOV BORIS N ; MOSKALEVSKAJA VALENTINA P ; ORECHOV VSEVOLOD D ; PISMANNIK KONSTANTIN D ; SIROKOVA MARGARITA K ; VERMUL VALENTINA G

Inventor(s): VERMUL VALENTINA G SU ; SIROKOVA MARGARITA K SU ; PISMANNIK KONSTANTIN D SU ; ORECHOV VSEVOLOD D SU ; MOSKALEVSKAJA VALENTINA P SU ; MELNIKOV BORIS N SU ; KUSTACEVA NINA S SU

International class (IPC 8–9): D06P3/62 (Advanced/Invention); D06P3/58 (Core/Invention)

International class (IPC 1–7): D06P3/62

Classification Explorer

Abstract:
Source: DD253552A [Source: Claim 1] 1. AEBTopcffoe. CBHAEQTe/iBCTBo OCCP Ns 1086849 no 3aHBH8 te 3449580/23–05, kji. D06 P 5/00 c npzopzieTOM – OT 10.06.82. 2. naT8HT BenHKodpHTaHHH K2 I3I6458, kji. DIB, DQ6 P 1/38, 5/00, 1978 F. – npoToian. –UE1986ss ¦:> V o i–i [Source: Claim 1] 1. AEBTopcffoe. CBHAEQTe iBCTBo 1086849 3aHBH8 3449580/Ns/23 OCCP no te–05, kji. 5/00 P c npzopzieTOM–D06 OT 10.06.82. 2. naT8HT BenHKodpHTaHHH K2 I3I6458, kji. DIB, 38, 1/5/00 P DQ6, 1978 f.–npoToian. –UE1986 ss ¦:> V or–

0) DE8801659U1 –

68) Family number: 17584533 (DE8801659U1) © PatBase

Priority: DE19880001659U 19880210

Family:

Publication number	Publication date	Application number	Application date
DE8801659 U1	19880414	DE19880001659U	19880210

Probable Assignee: RIES HANS 4330 MUELHEIM DE

Assignee(s): RIES HANS 4330 MUELHEIM DE

International class (IPC 8–9): A63F7/22 A63F7/36 (Advanced/Invention)

International class (IPC 1–7): A63F7/00 A63F7/36 A63F9/02

CPC: A63F7/3603

European class: A63F7/36B

Classification Explorer

Forward Citations: FR3024661,

Abstract:
Source: DE8801659U1 (Claim 1) Tischkugelspiel Schutzansprueche 1.) Tischkugelspiel, mit einer Spielbahn und mehreren nacheinander zu werfenden und zu einem vohrher ausgeworfenen Ziel auf der Spielbahn rollenden Kugeln, dadurch gekennzeichnet, dass das Tischkagelspiel ein Spielbrett (2) aufweist und das Spielbrett einen flexiblen, zumindest an der Auftreffstelle der Kugeln einen sich voruebergehend verformenden Belag als Spielbahn (3) hat.

Machine translation: (Claim 1) table ball game Schutzansprueche first) Table ball game, with a golf course and several for throwing a series and one vohrher ejected target on the golf course, rolling balls, wherein the table Kagel play a game board (2 exhibits) and the game board features a flexible, at least at the impact of the balls one is temporarily deforming surface as a golf course (3) has.

0) DE8717116U1 –

69) Family number: 17588419 (DE8717116U1) © PatBase

Priority: DE19870017116U 19871230

Family:

Publication number	Publication date	Application number	Application date
DE8717116 U1	19880601	DE19870017116U	19871230

Probable Assignee: DRAX THEODOR 8011 KIRCHSEEON DE

Assignee(s): DRAX THEODOR 8011 KIRCHSEEON DE

International class (IPC 8–9): A63F11/00 A63F9/00 A63F9/02 A63F9/04 (Advanced/Invention); A63F11/00 A63F9/00 A63F9/02 A63F9/04 (Core/Invention)

International class (IPC 1–7): A63F7/30 A63F9/04

CPC: A63F11/00 A63F9/0204 A63F9/04

European class: A63F11/00 A63F9/00Q A63F9/02B A63F9/04

Classification Explorer

Abstract:
Source: DE8717116U1 (Claim 1) 1. Mehrteilige Spielgeraet, als Zielkoerper, sowie in der Hauptsache als Ziel–Objektkoerper (Wurftaube/Taube) verwendet, dadurch gekennzeichnet, dass ein oder mehrere im Spiel zu verwendende Spiel– (Wurf– Schlag–StoB–Ziel–) Eoerper wie z. B. Wuerfel, Kugel u. sonstige Vielflaechenkoerper, eine oder mehrere Spielpunkte– FortschreibungsVorrichtung(en) bzw. Zaehlvorrichtung(en) aufweisen und die hierzu erforderliche Passvorrichtung bzw. Haltevorrichtung am Basiskoerper bzw. Spielkoerper–Geraet, vorzugsweise eine od. mehrere vorzugsweise runde zylindriche Vertiefung (en) aufweist.

Machine translation: (Claim 1) 1 Multipart Spielgeraet as Zielkoerper, and mainly as a target Objektkoerper (throwing pigeon / dove) is used, wherein one or more of the game to use game (throw–impact collision–finish) Eoerper such as cube, sphere and other Vielflaechenkoerper, one or more match points, updating device (s) or counting device (s) required for this exhibit and the pass device or retaining device at Basiskoerper or Spielkoerper–device, preferably a plurality of preferably round zylindriche od depression (s) has.

0) US4796325A – ANGULARLY ADJUSTABLE DOUBLE HEADED TOOTHBRUSH

70) Family number: 2815038 (US4796325A) © PatBase

Title: ANGULARLY ADJUSTABLE DOUBLE HEADED TOOTHBRUSH

Priority: US19870114045 19871029

Family:

Publication number	Publication date	Application number	Application date
US4796325 A	19890110	US19870114045	19871029

Probable Assignee: BORTMAN ISSAR

Assignee(s):(std)**:** BORTMAN ISSAR

Inventor(s):(std)**:** BORTMAN ISSAR

International class (IPC 8–9)**:** A46B5/00 (Advanced/Invention); A46B5/00 (Core/Invention)

International class (IPC 1–7)**:** A46B9/04

CPC: F16C11/06 A46B5/0012 A46B5/0075 A46B5/0087 A46B9/045 A46B2200/1066 Y10T403/32795

European class: A46B5/00A4 A46B5/00B6C A46B5/00B6C6 A46B9/04A F16C11/06 K46B200/10G

US class: 15/144.2 15/144A 15/167.2 15/172 403/142

Classification Explorer

Cited documents: US541727 A, US4654922 A, US3953907 A, US2749567 A, US1779057 A,

Forward Citations: WO9218060, WO06043114, WO0228221, USD614823, USD569107, US9675227, US9620942, US9504312, US9486059, US9398802, US8578544, US8079151, US7921935, US7640617, US7363823, US6889917, US6823554, US6758622, US6112361, US5987689, US5974618, US5802658, US5127415, US5067194, US5033154, US2016333924, US2014096326, US2011016651, US2010299936, US2010025062, US2009097907, US2008216262, US2008184511, US2008022483, US2007009851, US2006169299, US2005246847, US2004178284, US2004064909, US2003135944, US2003130605, GB2260895, GB2260895, EP2389088, EP1661486, DE29600596, DE102008050199,

Abstract:
Source: US4796325A A toothbrush has a brush portion pivotally connected to the handle. The head portion of the toothbrush may be provided with a pair of opposed facing brushes for simultaneously brushing both sides of a tooth. Three different pivotal mechanisms may be utilized for securing the head portion of the toothbrush to the handle at a selected angular adjustment. In a first embodiment, a slip ring is utilized to squeeze a collet around a pivot ball. In a second embodiment, a pivot ball is retained in adjusted position by frictional engagement with a socket in the handle of the brush. In a third embodiment, a threaded sleeve is utilized to lock a pivot ball attached to the head portion of the toothbursh in an adjusted position.

0) DE3726331A1 – LARGE–AREA BALL GAME FLAECHENKUGELSPIEL

71) Family number: 7214429 (DE3726331A1) © PatBase

Title: Large–area ball game

Priority: DE19873726331 19870807

Family:

Publication number	Publication date	Application number	Application date
DE3726331 A1	19890216	DE19873726331	19870807

Probable Assignee: DREES RUDOLF

Assignee(s):(std)**:** DREES RUDOLF

Inventor(s):(std)**:** DREES RUDOLF

International class (IPC 8–9)**:** A63B67/06 A63F7/00 (Advanced/Invention); A63B67/06 A63F7/00 (Core/Invention)

International class (IPC 1–7)**:** A63B67/06 A63F7/00

CPC: A63B67/06 A63B2208/12 A63F7/0076

European class: A63B67/06 A63F7/00H K63B208/12

Classification Explorer

Abstract:
Source: DE3726331A1 Published without abstract.

0) US4812192A – PROCESS AND APPARATUS FOR CUTTING AND SEALING M...

72) Family number: 2894981 (US4812192A) © PatBase

Title: PROCESS AND APPARATUS FOR CUTTING AND SEALING MULTIPLE PLIES OF THERMOPLASTIC MATERIAL HAVING THICKENED SECTIONS

Priority: CA19890594156 19890317 EP19890106269 19890410 EP19890106269 19890410 EP19890106269 19890410 US19880179791 19880411

Family:

Publication number	Publication date	Application number	Application date
AT84744 E	19930215	AT19890106269T	19890410
AU198932531 A1	19891123	AU19890032531	19890406
BRPI8901729 A	19891121	BR1989PI01729	19890407
CA1301613 A1	19920526	CA19890594156	19890317
DE68904455 D1	19930304	DE19896004455	19890410
DE68904455 T2	19930513	DE19896004455T	19890410
DK164189 A	19891012	DK19890001641	19890405
DK164189 A0	19890405	DK19890001641	19890405
EP0337341 A1	19891018	EP19890106269	19890410
EP0337341 B1	19930120	EP19890106269	19890410
ES2037313 T3	19930616	ES19890106269T	19890410
FI891691 A	19891012	FI19890001691	19890410
FR2629755 A1	19891013	FR19890004672	19890410
FR2629755 B1	19950203	FR19890004672	19890410
JP1301327 A2	19891205	JP19890091687	19890411
JP1901922 C3	19950208	JP19890091687	19890411
JP6028922 B4	19940420	JP19890091687	19890411
KR960015645 B1	19961120	KR19890004708	19890410
NO891465 A	19891012	NO19890001465	19890410
NO891465 A0	19890410	NO19890001465	19890410
PT90221 A	19891110	PT19890090221	19890407
PT90221 B	19940331	PT19890090221	19890407
US4812192 A	19890314	US19880179791	19880411

Probable Assignee: SC JOHNSON HOME STORAGE INC

Assignee(s):(std)**:** DOW CHEMICAL CO ; DOWBRANDS INC ; DAU BRANDZ INC

Assignee(s): DAUBURANZU INC ; BEHR R DOUGLAS ; DOWBRANDS INC INDIANAPOLIS IND US ; S C JOHNSON HOME STORAGE INC ; WOODS TIMOTHY R ; DOW CHEMICAL CO 2030 DOW CENTER ABBOTT ROAD MIDLAND MICHIGAN 48640 A CORP OF DE ; DOWBRANDS LP ; SC JOHNSON HOME STORAGE INC ; THE DOW CHEMICAL COMPANY ; DOW CHEMICAL CO 2030 DOW CENTER ABBOTT ROAD MIDLAN

Inventor(s):(std)**:** BEHR DOUGLAS R ; AARU DAGURASU BEEA ; BEAR R DUGRAS ; TEIMOSHII AARU UTSUZU ; WDEZ TIMOSI R ; WOODS TIMOTHY R ; BEHR R DOUGLAS

Inventor(s): TIMOTHY R WOODS ; BEAR RDUGRAS ; BEHR R DOUGLAS MIDLAND MICHIGAN 48640 US ; DOUGLAS R BEHR ; NAME NOT GIVEN ; R DOUGLAS BEHR

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: AT BE CH DE ES GB GR IT LI NL SE

International class (IPC 8–9)**:** B29C65/00 B29C65/20 B29C65/74 B31B1/14 B31B1/64 B31B1/90 B31B19/16 B31B19/64 B31B23/14 B31B23/60 B65B51/30 (Advanced/Invention); B29C65/74 B31B1/14 (Advanced/Non–invention); B29C65/00 B29C65/18 B31B1/14 B31B1/60 B31B1/74 B31B19/00 B31B23/00 (Core/Invention); B29C65/74 (Core/Non–invention)

International class (IPC 1–7):	B26F B29C65/18 B29C65/20 B29C65/74 B31B1/14 B31B1/64 B31B1/90 B31B23/14 B31B23/16 B31B23/60 B31B23/64 B32B31/18 B65B51/30 B65D30/10
CPC:	Y10T156/1054 Y10T156/1313 Y10T156/1326 Y10T156/1378 B29C66/3464 B29C65/74 B29K2101/12 B29L2031/7128 B29C66/4312 B29C66/4322 B29C65/02 B29C65/18 B29C65/305 B31B70/16 B31B70/64
European class:	B29C66/3464 B31B19/16 B31B19/64 L29C65/74 L29K101/12 L29L31/7128 L31B219/14F L31B219/60C
US class:	156/251 156/499 156/515 156/518 156/530 156/581 156/66
Classification Explorer	
Cited documents:	US4658433 A, US4561109 A, US4396449 A, US4304615 A, US4024010 A, US3986914 A, US3853671 A, US3498868 A, US3257256 A, US3033257 A, US2749817 A, GB740811 A, GB1076009 A, EP0092865 A1, EP0066780 A1, EP0023817 A1, DE2755860 B1, DE2307105 B2, DE2107043 B2,
Forward Citations:	WO09099857, WO09099857, US9475616, US9327875, US9126735, US8974118, US8568031, US8550716, US8469593, US8176602, US7921534, US7850368, US7669307, US7494333, US7437805, US7419300, US7410298, US7267856, US7137736, US6968952, US5322579, US5131121, US4961805, US4957571, US2010111450, US2009190864, US2009042707, US2007297698, US2007294885, US2005271308, US2005271307, US2004234171, US2004234170, US2004078939, US2004078938, US2004066985, US2003236158, JP5147661, JP3195810, EP0622169, EP0622169,

Abstract:
Source: US4812192A A process and apparatus is provided for cutting multiple plies of thermoplastic material having thickened sections, such as defined by cross−sections of matable parts of a zipper closure formed in the material, and for concurrently sealing the severed margins of the material which includes sealing the severed zipper closure portions thereof. The process and apparatus perform the operative steps of: first, preblocking the thickened material adjacent to the zipper closure portions of the material in areas thereof to be severed and sealed; then, applying heat and pressure to the thickened material and remaining sections of the material in those areas to render the material tacky and temporarily stick the multiple plies together in those areas; and, thereafter, contacting those areas of the material with a heated cutting and sealing element in order to sever all of the multiple plies and seal the severed margins thereof. Further, after the application of heat and pressure, the zipper closure portions of the material in the areas thereof to be severed and sealed are preheated. Also, after the margins of the multiple plies of material are severed and sealed, pressure is applied to the zipper closure portions at the severed and sealed margins to ensuring sealing thereof.

0) IT1205509A – TWO–LAYERED SYNTHETIC FLASK BOCCIA SINTETICA A...

73) Family number: 8269069 (IT1205509A) © PatBase

Title: Two–layered synthetic flask

Priority: IT19860009004 19860923

Family:

Publication number	Publication date	Application number	Application date
IT1205509 A	19890323	IT19860009004	19860923
IT8609004 A0	19860923	IT19860009004	19860923

Probable Assignee: SALF BOCCE SNC DI PELIZZARI E

Assignee(s):(std)**:** SALF BOCCE SNC DI PELIZZARI E

Assignee(s): SALF BOCCE SNC DI PELIZZARI E CROMALI

Inventor(s):(std)**:** CROMALI NELLO ; PELIZZARI NICOLA

Inventor(s): NELLO CROMALI ; NICOLA PELIZZARI

International class (IPC 8–9)**:** A63D (Subclass/Invention)

International class (IPC 1–7)**:** A63D

Classification Explorer

Abstract:
Source: IT1205509A The generator has a voltage divider with a number of dividing elements serially connected to each other between two power sources of different voltage levels from each other, and dividing levels from each other, and dividing a potential difference between the two power sources into a plurality of levels of voltage. A switch has a number of switch devices serially connected to each other between the two power sources. The switch devices on the side of one of the two power sources are connected to the output terminal. Trigger turns on the switch devices sequentially from that on the side of the output terminal. Reverse flow preventive circuit prohibits a current flowing through that of the switch devices which is currently turned on from flowing through the voltage dividing elements corresp. to the switch devices which have been already turned on.

0) DE3744572A1 – PLAYING ARTICLE WITH CONNECTED GAME SCORE UPDAT...

74) Family number: 7466495 (DE3744572A1) © PatBase

Title: Playing article with connected game score updating device

Priority: DE19873744572 19871230

Family:

Publication number	Publication date	Application number	Application date
DE3744572 A1	19890713	DE19873744572	19871230

Probable Assignee: DRAX THEODOR

Assignee(s):(std)**:** DRAX THEODOR

Inventor(s):(std)**:** DRAX THEODOR

International class (IPC 8–9)**:** A63F7/30 A63F9/02 A63F9/04 A63F9/08 (Advanced/Invention); A63F7/00 A63F9/02 A63F9/04 A63F9/06 (Core/Invention)

International class (IPC 1–7)**:** A63F7/30 A63F9/04

CPC: A63F9/02 A63F9/04 A63F9/0811

European class: A63F9/02 A63F9/04 A63F9/08B2

Classification Explorer

Forward Citations: ITBO20130190,

Abstract:
Source: DE3744572A1 A playing article/device as a target article, primarily used as a target object article (clay pigeon/pigeon), equipped with a game score updating device, optionally additionally used simultaneously as packaging or storage container (box), the latter also simultaneously in turn is used as a throwing article, preferably as a target object throwing article, thus also alternatively the container parts, each used as a stationary target article, are optionally provided with a measuring device, thus however specifically for table target throwing games, in an additional embodiment of target evaluation surfaces, optically delimited, is also optionally equipped with a device for causing projectile inclination, above a combined surface profile design with edge protection for playing boards which are preferably soft and into which pins can be inserted, including an integrated utensil container, and can be used as a connection of a plurality of playing boards.

0) BRMU6800499U – BOCHA MAGNETICA BOCCIA MAGNETICA (MACHINE TR...

75) Family number: 206101 (BRMU6800499U) © PatBase

Title: BOCHA MAGNETICA BOCCIA MAGNETICA (Machine translation)

Priority: BR1988MU00499U 19880314

Family:

Publication number	Publication date	Application number	Application date
BRMU6800499 U	19891017	BR1988MU00499U	19880314

Probable Assignee: MUELLER FLEX IND E COMERCIO DE

Assignee(s):(std)**:** MUELLER FLEX IND E COMERCIO DE

Assignee(s): MUELLER FLEX INDUSTRIA E COMERCIO DE PLASTICOS E METAIS LTDA

Inventor(s):(std)**:** JACOB RICARDO MAX

Inventor(s): RICARDO MAX JACOB

International class (IPC 8–9): A63F7/00 (Advanced/Invention); A63F7/00 (Core/Invention)

International class (IPC 1–7): A63F7/00

Classification Explorer

Abstract:
Source: BRMU6800499U [Source: Claim 1] ¦ •• ss• I ss((I • • ss • • • • • • I t t • ¦ ••• M I • • I I I I t I # • •• • • ¦ • • ss • i **## mi • I «I II II I ss ¦ ¦ REIVINDICACAO 1 i) – "BOCHA MAGNETICA", caracterizada pelo fato de ser constituida de uma pista 11) situada em retangulo (2) de bordas mais elevadas, sendo que numa das 05 extremidades em canaleta (3) desloca–se transversalmente um propulsor (4) para impelir esferas imantadas (5) dispostfas em dois grupos de diferentes cores, enquanto que proximo a extremidade oposta se.encontra esfera ou bolim (6), preferivelmente preta, terminando a pista por 10 placar (7) com ilustracao das cores das bolas em jogo, sendo que, por fim, pela face inferior da pista (1) sao dispostas placas imantadas (6) de diferentes dimensSes e localizacBes. [Source: Claim 1] ¦ • • ss • I ss ((I • • ss • • • • • • I t t •... • • • • • M I I I I I t I • • • • •... • • ss • i ** # # e • I ' I II II I ss ¦ ¦ CLAIM 1 i)–"BOCHA MAGNETICA", characterized by the fact that it is constituted of a track 11) located in rectangle (2) highest edges, one of which ends in 05 channel (3) moves across a propeller (4) to propel magnetic spheres (5) dispostfas in two groups of different colors While the opposite end if you find ball or bolim (6), preferably black, ending the track for 10 score (7) with illustration of colors of balls in play, and, finally, by the underside of the track (1) are willing magnetic plates (6) different dimensSes and localizacBes.

0) BRMU6802242U – DISPOSICAO INTRODUZIDA EM MANCAL CHARACTER INT...

76) Family number: 210709 (BRMU6802242U) © PatBase

Title: DISPOSICAO INTRODUZIDA EM MANCAL CHARACTER INTRODUCED IN BEARING (Machine translation)

Priority: BR1988MU02242U 19881003

Family:

Publication number	Publication date	Application number	Application date
BRMU6802242 U	19900605	BR1988MU02242U	19881003

Probable Assignee: CARLOS EDUARDO REA

Assignee(s):(std)**:** CARLOS EDUARDO REA

Inventor(s):(std)**:** REA CARLOS EDUARDO

Inventor(s): CARLOS EDUARDO REA

International class (IPC 8–9): F16C9/00 (Advanced/Invention); F16C9/00 (Core/Invention)

International class (IPC 1–7): F16C9/00

Classification Explorer

Abstract:
Source: BRMU6802242U [Source: Claim 1] .. i..... :: s /.'... ¦ Ml.... ££I1ES£lca£lo ¦ DISPOBiglO IBTBQDDZHU HE – UkBOAh " t oaraoterleaflo por tuna calxa flangeada (1) – provida da base quadrada ooa quatro furos (2) para oa 5– parafusos de fixacao (3)i possuindo taipa oega (4) <m passante (5), fixada pelos parafusos (6) a que e utili «ada tatobaa para o bloqueio da rolamento autooompansa– dor (7) montado no eixo (8) atraves de bucha (9) e por oa (10) da fixacao, sendo a vedacao obtida atraves da 10– retentores (11) selecionados e estando prevista uma – eprsxeira (12) para relubrifioacao. [Source: Claim 1].. i...:: s /.'... ¦ Ml... £ £ I1ES £ DISPOBiglO IBTBQDDZHU £ it lca... HE–UkBOAh "t oaraoterleaflo for tuna flanged (1) Ah–from a square base ooa four holes (2) for 5 oa–fixation screws (3) (i) possessing taipa oega (4) (5) thru < m, fixed by screws (6) and use ' ada tatobaa for the autooompansa–bearing pain (7) mounted on the shaft (8) through (9) and oa (10) of the fixation and the seal obtained through 10–retainers (11) selected and with a–eprsxeira (12) for relubrifioacao.

0) CH675694A – MINIATURE BOWLS PLAYING SURFACE – IS TABLE WITH...

77) Family number: 4256044 (CH675694A) © PatBase

Title: Miniature bowls playing surface – is table with rectangular cloth surface enclosed by four vertical sides and supported by height adjustable legs

Priority: CH19880003908 19881020

Family:

Publication number	Publication date	Application number	Application date
CH675694 A	19901031	CH19880003908	19881020

Probable Assignee: EDOARDO MORANDI

Assignee(s):(std)**:** EDOARDO MORANDI

Inventor(s):(std)**:** MORANDI EDOARDO

International class (IPC 8–9)**:** A63D1/02 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7)**:** A63D1/04

CPC: A63D1/02

European class: A63D1/02

Classification Explorer

Abstract:
Source: CH675694A The table with a playing surface (1) to enable a game of miniature bowls to be played, is rectangular, with a vertical border (2) all round, determining the playing area. The table is supported on four legs (3) with height adjustment. The surface is formed by a sheet of cloth having specified properties, to slow down the balls (9) rolled by the players. The four sides can incorporate level indicating devices. One end of the surface can incorporate a depression between its sides to trap the balls at that end. ADVANTAGE – The table can be easily dismounted and stored when not in use.

0) EP0529613A1 – ORNAMENTAL BALL FOUNTAIN. DEKORATIVER KUGEL–BRU...

78) Family number: 17728713 (EP0529613A1) © PatBase

Title: ORNAMENTAL BALL FOUNTAIN.

Priority: DE19910010780U 19910830 DE19925001650 19920827

Family:

Publication number	Publication date	Application number	Application date
AT119810 E	19950415	AT19920114575T	19920827
DE59201650 D1	19950420	DE19925001650	19920827
DE9110780 U1	19911128	DE19910010780U	19910830
EP0529613 A1	19930303	EP19920114575	19920827
EP0529613 B1	19950315	EP19920114575	19920827

Probable Assignee: FELKE DIETRICH AGRAR PROGRAMM

Assignee(s):(std)**:** AGRAR PROGRAMM DIETRICH FELKE ; FELKE DIETRICH AGRAR PROGRAMM

Assignee(s): AGRAR PROGRAMM DIETRICH FELKE CHEMISCHE UND TECHNI ; AGRAR PROGRAMM DIETRICH FELKE CHEMISCHE UND TECHNISCHE ; AGRAR PROGRAMM DIETRICH FELKE CHEMISCHE UND TECHNISCHE PRODUKTE FUER DIE LANDWIRTSCHAFT 8547 GREDING DE ; AGRAR PROGRAMM DIETRICH FELKE CHEMISCHE UND TECHNISCHE PRODUKTE FUER DIE LANDWIRTSCHAFT 91171 GREDING DE

Inventor(s):(std)**:** FELKE ; FELKE FELKE

Inventor(s): FELKE FELKE D 8547 GREDING DE

Designated states: AT BE CH DE ES FR GB IT LI NL SE

International class (IPC 8–9)**:** B05B17/08 F16C32/06 F24F6/06 (Advanced/Invention); B05B17/00 F16C32/06 F24F6/02 (Core/Invention)

International class (IPC 1–7)**:** B05B17/08 E03B9/20 F16C32/06 F24F6/06

CPC: B05B17/08 F24F6/06

European class: B05B17/08 F24F6/06

Classification Explorer

Cited documents: DE4004469 A1,

Forward Citations: EP0676581, DE9419165, DE4242021, DE4203107, DE19646263, DE19646263,

Abstract:
An ornamental ball fountain is described having a base part (16) which has a ball bed (32). In the ball bed (32), a ball (18) is mounted. A pump serves to convey a fluid between the ball bed (32) and the ball (18), the ball bed (32) being constructed with a central fluid inlet (30). The fluid inlet (30) is constructed with openings (36) which are directed obliquely towards the ball (18) mounted in the ball bed (32) and, for this purpose, are obliquely oriented towards the axial longitudinal direction in the same direction at the same angle.

0) US5274098A – AMIDINOPHENYLALANINE DERIVATIVES, PROCESS FOR T...

79) Family number: 11642078 (US5274098A) © PatBase

Title: AMIDINOPHENYLALANINE DERIVATIVES, PROCESS FOR THEIR PREPARATION, THEIR USE AND COMPOSITIONS CONTAINING THEM

Priority: CA19922065585 19920408 DE19914111394 19910409 DE19925003006 19920325

Family:

Publication number	Publication date	Application number	Application date
AT125549 E	19950815	AT19920105138T	19920325
AU199214703 A1	19921015	AU19920014703	19920408
AU650526 B2	19940623	AU19920014703	19920408
BG60683 B1	19951229	BG19920096171	19920402
BRPI9201253 A	19921201	BR1992PI01253	19920408
CA2065585 AA	19921010	CA19922065585	19920408
CN1067431 A	19921230	CN19921002446	19920407
CS9201064 A3	19921014	CS19920001064	19920408
DE4111394 A1	19921015	DE19914111394	19910409
DE59203006 D1	19950831	DE19925003006	19920325
DK0508220 T3	19951127	DK19920105138T	19920325
EP0508220 A1	19921014	EP19920105138	19920325
EP0508220 B1	19950726	EP19920105138	19920325
ES2076595 T3	19951101	ES19920105138T	19920325
FI921525 A	19921010	FI19920001525	19920407
FI921525 A0	19920407	FI19920001525	19920407
GR3017107 T3	19951130	GR19950402218T	19950811
HU65359 A2	19940502	HU19920001189	19920408
HU9201189 A0	19920728	HU19920001189	19920408
IE67347 B	19960320	IE19920001123	19920408
IE921123 A1	19921021	IE19920001123	19920408
IL101529 A0	19921230	IL19920101529	19920408
IL101529 A1	19960514	IL19920101529	19920408
JP5097793 A2	19930420	JP19920085807	19920408
MA22495 A1	19921231	MA19920022776	19920407
MX9201642 A1	19921001	MX19920001642	19920409
NO921382 A	19921012	NO19920001382	19920408
NO921382 A0	19920408	NO19920001382	19920408
NZ242246 A	19931223	NZ19920242246	19920406
PL294148 A1	19930208	PL19920294148	19920408
RO109197 B1	19941230	RO19920200477	19920407
TW214542 B	19931011	TW19920102613	19920407
US5274098 A	19931228	US19920864547	19920407
ZA9202535 A	19921125	ZA19920002535	19920408

Probable Assignee: BEHRINGWERKE AG

Assignee(s):(std)**:** BEHRINGWERKE AG ; BEHRINGWERKE AKTIENGESELLSHAFT

Assignee(s): BEHRINGWERKE AG DE ; STUBER WERNER ; DICKNEITE GERHARD ; BEHRINGWERKE MARBURG AG ; BEHRINGWERKE AG 35041 MARBURG DE ; BEHRINGWERKE AG 3550 MARBURG DE ; BEHRINGWERKE AKTIENGESELLSCHAFT ; BEHRINGWERKE 35041 MARBURG DE AG ; BEHRINGWERKE 3550 MARBURG DE AG

Inventor(s):(std)**:**

	STUEBER WERNER DR ; STUEBER WERNER ; STUEBE WERNER DR ; STUBER WERNER DR ; STUBER WERNER ; STUBER W ; ST E UML U BER WERNER ; WERNER STUEBER ; GERHARD DICKEITE ; GEERUHARUTO DEIKUNAITE ; STUPO W ; DIECKNEIT G ; DICKNETTE G ; DICKNEITE GERHARD DR ; DICKNEITE GERHARD ; DICKEITE GERHARD ; BUERUNAA SHIYUTEYUUBAA
Inventor(s):	G DIECKNEIT ; W STUPO ; DICKNEITE GERHARD W 3550 MARBURG DE ; STUEBER WERNER W 3551 LAHNTAL 3 DE ; DR WERNER STUEBE ; DR GERHARD DICKNEITE ; WERNER STUBER ; DICKNEITE GERHARD DE ; STUEBER WERNER DE ; ST AND E UML U BER WERNER ; GERHARD DICKNEITE
Agent(s):	WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BERESKIN AND PARR; EITAN PEARL LATZER AND COHEN ZEDEK
Designated states:	AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE
International class (IPC 8–9):	A61K31/18 A61K31/445 A61K31/555 A61K38/00 A61K38/04 A61K38/05 A61P7/02 C07C303/40 C07C311/14 C07C311/15 C07C311/49 C07D223/16 C07D295/10 C07D295/185 C07D311/70 C07D405/12 C07K5/02 C07K5/06 (Advanced/Invention); A61K31/18 A61K38/00 A61K38/05 (Advanced/Non–invention); A61K31/18 A61K38/05 A61P7/00 C07C303/00 C07C311/00 C07D295/00 C07K5/00 (Core/Invention); A61K38/00 (Core/Non–invention)
International class (IPC 1–7):	A61K31/135 A61K31/18 A61K31/195 A61K31/35 A61K31/395 A61K31/445 A61K37/02 A61K37/64 A61K38/04 A61K38/05 A61K49/00 C07C257/10 C07C257/18 C07C303/40 C07C311/15 C07C311/49 C07C317/42 C07D211/06 C07D211/32 C07D211/36 C07D295/00 C07D295/10 C07D295/16 C07D295/185 C07D295/192 C07D295/195 C07D311/04 C07D311/58 C07D311/70 C07D405/10 C07D405/12 C07K5/02 C07K5/06
CPC:	C07C45/62 C07C45/68 C07D223/16 C07K5/06026 A61K38/00
European class:	124CB5N2 124CB6E4 C07C45/62 C07C45/68 C07D223/16 C07K5/06A1A K61K38/00 M07K203/00
US class:	540/200 540/483 540/607 546/196 546/205 546/226 548/540 564/81
Classification Explorer	
Cited documents:	US4028380 A, EP0236164 A1, EP0236163 A1, DD235866 Z, DD235866 A1, DD155954 Z, DD155954 A1,
Forward Citations:	WO9605189, WO06062898, WO06062898, WO04067522, US9115065, US9067873, US8664274, US8658697, US8642596, US8426588, US8410149, US8309561, US8222405, US7994221, US7872125, US7345049, US7153963, US6277863, US6087375, US5942620, US5766932, US5571844, US5525617, US2010167180, US2009203675, US2008108634, US2005222141, JP2008524119, EP0658585, EP0658585, EP0603112, DE4115468, DE19517198, DE10330900, DE10330900,

Abstract:
Source: US5274098A Amidinophenylalanine derivatives, a process for their preparation, their use and pharmaceutical compositions which contain these compounds are described.

0) DE9201436U1 –

80) Family number: 17702207 (DE9201436U1) © PatBase

Priority: DE19920001436U 19920206

Family:

Publication number	Publication date	Application number	Application date
DE9201436 U1	19921015	DE19920001436U	19920206

Probable Assignee: STEINHAUER MICHAEL 5429 RECKENROTH DE

Assignee(s): STEINHAUER MICHAEL 5429 RECKENROTH DE

International class (IPC 8–9): A63F7/00 A63F7/36 (Advanced/Invention); A63F7/00 (Core/Invention)

International class (IPC 1–7): A63F7/00 A63F7/36

CPC: A63F7/0023

European class: A63F7/00D

Classification Explorer

Abstract:
Source: DE9201436U1 (Claim 1) Betreff: Flechenkugelspiel'Keep Cool' SCHUTZ ANSPRUECH E 1) Flaechenkugelspiel mit aufgebrachten Markierungen, dadurch gekennzeichnet, dass es aus einer kastenartigen, ca. 5 cm hohen festen und ebenen 100 x 45 cm grossen Spielflaeche besteht, die von 2 cm hohen Leisten umgrenzt ist und mit einem leicht daempfenden Material wie z.

Machine translation: (Claim 1) Subject: Flechenkugelspiel'Keep Cool 'claims for protection e 1) Flaechenkugelspiel with applied markers, characterized in that it consists of a box–like, about 5 cm high is firm and flat 100 x 45 cm large Spielflaeche that of 2 cm high strips and is surrounded with a light absorbing material such

0) IT1252432B – APPARECCHIATURA ELETTRONICA PER IL CONTEGGIO AU...

81) Family number: 14163470 (IT1252432B) © PatBase

Title: APPARECCHIATURA ELETTRONICA PER IL CONTEGGIO AUTOMATICO DEL GIOCO DEL BOWLING ELECTRONIC DEVICE FOR THE AUTOMATIC COUNTING THE GAME OF BOWLING (Machine translation)

Priority: IT1991BO00261 19910718

Family:

Publication number	Publication date	Application number	Application date
IT1252432 B	19950614	IT1991BO00261	19910718
ITBO910261 A0	19910718	IT1991BO00261	19910718
ITBO910261 A1	19930119	IT1991BO00261	19910718

Probable Assignee: MICRONICA S R L

Assignee(s):(std)**:** MICRONICA ; MICRONICA S R L

Inventor(s):(std)**:** SAREGO LUCIANO

International class (IPC 8–9)**:** G06M H03M (Subclass/Invention)

International class (IPC 1–7)**:** G06M

Classification Explorer

Abstract:
Source: IT1252432B L'operatore alla cassa mediante tastiera (1), valendosi di un programma su computer (2), inserisce i riferimenti nominali del giocatore specificando la pista di gioco assegnata. Dette informazioni sono trasmesse dal computer (2), tramite il concentratore (3), sul computer (4) della pista consentendo l'impostazione del gioco e prevedendo sui monitor (5) i dati del giocatore, le caselle per le fasi di gioco ed una casella per il totale finale. Detti monitor (5) sono posti all'inizio di ogni pista per consentirne l'osservazione dalle posizioni di lancio. Il giocatore potra quindi sapere quando e il momento del suo lancio ed attuare quindi la fase di gioco che gli compete. Il centralino elettronico (6) di controllo collegato alla macchina di bowling (7) e dello scanner ottico (8) puo rilevare, tramite fotocellule (9 e 15) il passaggio della boccia in fase di lancio e visualizzando il numero e la posizione dei birilli caduti. Le informazioni vengono poi inviate al computer (4) che elabora il punteggio e lo visualizza sul monitor (5) e cosi a prosecuzione del gioco. Al termine del gioco, il giocatore torna alla cassa ove l'operatore puo visualizzare su monitor (10) le partite giocate dal giocatore ed il punteggio totale realizzato. Il giocatore puo leggere il totale di quanto deve pagare sul visualizzatore (11).

Machine translation: The checkout operator via the keyboard (1), making use of a computer program (2), inserted references rated player by specifying the track to play attached. Such information is transmitted from the computer (2), through the concentrator (3), computer (4) of the track allowing the setting of the game and providing the monitor (5) data of the player, the boxes for the phases of play and a box for the final total. Said monitor (5) are placed at the beginning of each track to allow the observation by the positions of launch. The player can then know when and the time of its launch and implementation phase of the game then they should be. The electronic switchboard (6) connected to the machine control of bowling (7) and the optical scanner (8) can detect, by means of photocells (9 and 15) the passage of the ball in the launch phase and displaying the number and position of the pins fallen. The information is then sent to the computer (4) that processes the score and displays it on the monitor (5) and so to the game continuing. At the end of the game, the player returns to the case where the operator can display on a monitor (10) games played by the player and the total score achieved. The player can read the total of what the viewer has to pay (11).

0) US5643878A – 5–AMINO–4–HYDROXYHEXANOIC ACID DERIVATIVES

82) Family number: 8458229 (US5643878A) © PatBase

Title: 5–AMINO–4–HYDROXYHEXANOIC ACID DERIVATIVES

Priority: CA19922077948 19920910 CA19942118661 19940309 CH19910002689 19910912
CH19920000980 19920327 CH19920002007 19920625 CH19930000772 19930311
CN19931000044 19930104 US19940207646 19940308 US19920941595 19920908

Family:

Publication number	Publication date	Application number	Application date
AU199222889 A1	19930318	AU19920022889	19920910
AU199457588 A1	19940915	AU19940057588	19940304
AU661018 B2	19950713	AU19920022889	19920910
AU678202 B2	19970522	AU19940057588	19940304
CA2077948 AA	19930313	CA19922077948	19920910
CA2118661 AA	19940912	CA19942118661	19940309
CN1089269 A	19940713	CN19931000044	19930104
CN1112125 A	19951122	CN19941004099	19940310
CZ9202802 A3	19940119	CS19920002802	19920911
CZ9400541 A3	19941019	CZ19940000541	19940309
EP0532466 A2	19930317	EP19920810678	19920903
EP0532466 A3	19930616	EP19920810678	19920903
EP0618222 A2	19941005	EP19940810133	19940302
EP0618222 A3	19970102	EP19940810133	19940302
FI924035 A	19930313	FI19920004035	19920909
FI924035 A0	19920909	FI19920004035	19920909
FI941064 A	19940912	FI19940001064	19940307
FI941064 A0	19940307	FI19940001064	19940307
HU63632 A2	19930928	HU19920002925	19920911
HU67089 A2	19950130	HU19940000720	19940310
HU9202925 A0	19921130	HU19920002925	19920911
HU9400720 A0	19940628	HU19940000720	19940310
IL103126 A0	19930221	IL19920103126	19920910
IL103126 A1	19970930	IL19920103126	19920910
IL108920 A0	19940624	IL19940108920	19940310
JP5230095 A2	19930907	JP19920238424	19920907
JP7316191 A2	19951205	JP19940067908	19940311
MA23133 A1	19941001	MA19940023440	19940310
MX9205208 A1	19930301	MX19920005208	19920911
MXPA94001822 A1	20040909	MX19940001822	19940311
NO923533 A	19930315	NO19920003533	19920911
NO923533 A0	19920911	NO19920003533	19920911
NO940853 A	19940912	NO19940000853	19940310
NO940853 A0	19940310	NO19940000853	19940310
NZ244288 A	19950328	NZ19920244288	19920910
NZ260056 A	19951221	NZ19940260056	19940309
PL169969 B1	19960930	PL19920295905	19920911
PL295905 A1	19930517	PL19920295905	19920911
RU2067585 C1	19961010	SU19925052915	19920911
SK280292 A3	19950208	SK19920002802	19920911
TW213454 B	19930921	TW19920106851	19920829

US5643878 A	19970701	US19940207646	19940308	
ZA9206938 A	19940311	ZA19920006938	19920911	
ZA9401668 A	19940913	ZA19940001668	19940310	

Probable Assignee: NOVARTIS CORP

Assignee(s):(std)**:** CIBA GEIGY ; CIBA GEIGY AG ; CIBA GEIGY CORP ; NOVARTIS AG ; NOVARTIS TAMBIEN DENOMINADA AG

Assignee(s): FASSLER ALEXANDER ; LANG MARC ; FAESSLER ALEXANDER ; TSIBA GEJGI AG ; NOVAS SA ; NOVARTIS TAMBIEN DENOMINADA NOVARTIS AG SA ; SCHNEIDER PETER ; VAN HOOGEVEST PETER ; NOVARTIS CORP ; CIBA GEIGY CH AG ; CIBA GEIGY A G ; BHAGWAT SHRIPAD ; BOLD GUIDO ; CAPRARO HANS GEORG

Inventor(s):(std)**:** BOLD GUIDO DR ; CAPRARO HANS GEORG ; CAPRARO HANS GEORG DR ; CARPARO HANS GEORG ; ALEXANDER FASSLER ; AREKUSANDAA FUESURAA ; BHAGWAT SHRIPAD ; BHAGWAT SHRIPAD DR ; BHAGWAT SHRIPAD S ; BOLD GUIDO ; ALEKSANDER FESSLER ; FAESSLER ALEXANDER ; FASSLER ALEXANDER DR ; GIDO BOLD ; GIDOO BORUTO ; HANSUUGEORUKU KAPURARO ; HAUS GEORGE CAPRARO ; HOOGEVEST PETER VAN ; HOOGEVEST PETER VAN DR ; LANG MARC ; LANG MARC DR ; MARC LANG ; MARK LANG ; MARUKU RAN ; PEETAA FUAN HOOGEFUESUTO ; PEETAA SHIYUNAIDAA ; PETER FAN KHOOGEVEST ; FAESSLER ALEXANDER DR ; FASSLER ALEXANDER ; PETER SHNEJDER ; PETER VAN ; SCHNEIDER PETER DR ; SHIYURIPADO BAGUWATSUTO ; SHRIPAD BHAGWAT ; VAN HOEVEST PETER ; VAN HOEVEST PETER DR ; VAN HOOGEVEST PETER ; SCHNEIDER PETER ; VAN HOOGEVEST PETER DR

Inventor(s): SCHNEIDER PETER CH ; VAN HOOGEVEST PETER CH ; PETER VAN HOOGEVEST ; FASSLER ALEXANDER CH ; PETER SCHNEIDER ; LANG MARC FR ; GUIDO BOLD ; HANS GEORG CAPRARO ; FAESSLER ALEXANDER CH ; ALEXANDER FAESSLER ; BOLD GUIDO CH ; DR ALEXANDER FASSLER ; DR GUIDO BOLD ; DR HANS GEORG CAPRARO ; DR MARC LANG ; DR PETER SCHNEIDER ; DR PETER VAN HOOGEVEST ; DR SHRIPAD BHAGWAT

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; EITAN PEARL LATZER AND COHEN ZEDEK

Designated states: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9): A61K31/195 A61K38/00 A61K38/04 A61K38/06 A61P31/12 A61P31/18 C07D295/16 C07K1/06 C07K1/113 C07K14/81 C07K5/02 C07K5/03 C07K5/04 C07K5/06 C07K5/062 C07K5/072 C07K5/08 C07K5/087 C07K7/02 C07K7/06 (Advanced/Invention);
A61K38/00 A61K38/06 (Advanced/Non–invention);
A61K31/185 A61K38/00 A61K38/06 A61P31/00 C07D295/00 C07K1/00 C07K14/81 C07K5/00 C07K7/00 (Core/Invention);
A61K38/00 (Core/Non–invention);
A61K C07C C07D C07K (Subclass/Invention)

International class (IPC 1–7): A61K A61K31/13 A61K31/195 A61K31/535 A61K37/02 A61K37/64 A61K38/00 A61K38/04 A61K38/05 A61K38/06 A61K45/00 A61KA C07C C07C229/08 C07C229/12 C07C229/18 C07C53/126 C07C59/01 C07C62/00 C07CA C07D C07D295/16 C07DA C07K C07K1/06 C07K1/113 C07K5/00 C07K5/02 C07K5/03 C07K5/04 C07K5/06 C07K5/062 C07K5/072 C07K5/08 C07K5/087 C07K5/10 C07K7/00 C07K7/02 C07K7/06 C07KA C07P265/06

CPC: A61K38/00 C07K5/0207 C07K7/02

European class: C07K5/02C C07K7/02 K61K38/00

US class: 514/18 514/19 514/3.8 530/331 544/168

Classification Explorer

Cited documents: ZA9104136 A, ZA8909558 A, WO9421604 A1, WO9217490 A1, WO9106561 A1, WO8802374 A2, WO8702986 A1, WO8403044 A1, US4894437 A, US4880781 A, US4713445 A, EP0532466 A2, EP0487270 A2, EP0434365 A2, EP0401675 A1, EP0357322 A2, EP0356223 A2, EP0337714 A2, EP0173481 A2, EP0156322 A2, EP0118223 A1, EP0053017 A1, EP0045161 A1, DE4308095 A1, AU661018 B2,

Forward Citations: WO9716188, WO9616980, WO9507696, WO0242259, WO0242259, WO02064551, WO0044770, US9643928, US9174976, US9149476, US8927591, US8759373, US8742158, US8580995, US8410300, US8309072, US8227450, US8067531, US8008297, US7968707, US7928120, US7718599, US7696223, US7553969, US7479538, US7388008, US7335632, US7279582, US7038078, US6924396, US6765100, US6703403, US6677487, US6677367, US6656965, US6610689, US6608100, US6521651, US6506786, US6472529, US6458818, US6284767,

US6232333, US5998412, US5977371, US5948436, US5935976, US5876749, US5840835, US5817757, US5807891, US5663168, US5643878, US5610193, US5559158, US2008139811, US2006234944, US2005239684, US2004121947, US2004106810, US2004092770, US2003105279, US2003032619, US2003018033, US2002039996, JP2004508299, EP2295052, EP2269591, EP2130534, EP1917958, EP1803706, EP1377542, EP1149843, EP1149843, EP0708085, EP0708085, EP0626178, EP0618222, EP0604368, EP0565484, CN102770413, CN102770413, AU700942, AU695516, AU678202,

Abstract:
Source: US5643878A Compounds of formula I (I) or their hydroxy−protected derivatives, and compounds of formula I' (I') wherein T is an acyl radical of formula Z (Z) wherein Rz is unsubstituted or substituted hydrocarbyl wherein at least one carbon atom has been replaced by a hetero atom with the proviso that a hetero atom is not bonded directly to the carbonyl to which the radical Rz is bonded, alkyl having two or more carbon atoms, lower alkenyl, lower alkynyl, aryl or unsubstituted or substituted amino, and wherein the radicals R1, B1, R2, R3, A1, A2 and NR4R5 are as defined in the description, and precursors thereof, are described. The compounds have pharmaceutical activity, for example in the treatment of retroviral diseases, such as AIDS.

0) DE9312669U1 – BALL THROW PLAY FRAMEWORK WITH NET TO THE BEWUR...

83) Family number: 17673651 (DE9312669U1) © PatBase

Title: Ball throw play framework with net to the Bewurf with balls

Priority: DE19930012669U 19930824

Family:

Publication number	Publication date	Application number	Application date
DE9312669 U1	19931028	DE19930012669U	19930824

Probable Assignee: MUELLER WALTER DIPL ING

Assignee(s):(std)**:** MUELLER WALTER DIPL ING

Assignee(s): MUELLER WALTER DIPL ING 83126 FLINTSBACH DE

International class (IPC 8–9)**:** A63B63/08 (Advanced/Invention); A63B63/00 (Core/Invention)

International class (IPC 1–7)**:** A63B65/12

CPC: A63B63/08

European class: A63B63/08

Classification Explorer

Forward Citations: EP1762280,

Abstract:
Source: DE9312669U1 (Claim 1) Dipl.–Ing. univ. Walter Mueller, S ee w a q 5 B, 03126 FlintsbachBallwur f s pie l –Rah m en mit Netz zum Bewurf mit B a llenSCHUTZANSPRUEC HE , Blatt1.

Machine translation: (Claim 1) Dipl. – engineer univ. Walter Mueller, S ee w A q 5b, 03126 FlintsbachBallwur f s pie l – Rah m EN with net to the Bewurf with B A llenSCHUTZANSPRUEC HE, Blatt1.

0) DE4218712A1 – SPORTS OR GAME BALL – HAS WEIGHTING WHICH VARIE...

84) Family number: 10882521 (DE4218712A1) © PatBase

Title: Sports or game ball – has weighting which varies as ball moves to change direction of travel of ball to add random element to game

Priority: DE19924218712 19920606

Family:

Publication number	Publication date	Application number	Application date
DE4218712 A1	19931209	DE19924218712	19920606

Probable Assignee: SCHINDLEGGER JUN

Assignee(s):(std)**:** SCHINDLEGGER JUN

Assignee(s): SCHINDLEGGER JUN WALTER SEITENSTETTEN AT

Inventor(s):(std)**:** SCHINDLEGGER JUN WALTER

Inventor(s): SCHINDLEGGER JUN

International class (IPC 8–9): A63B43/04 A63F7/40 A63H33/00 (Advanced/Invention)

International class (IPC 1–7): A63B43/04 A63F7/40

CPC: A63B43/04 A63F7/40 A63H33/005

European class: A63B43/04 A63F7/40 A63H33/00E

Classification Explorer

Forward Citations: WO13143408, WO11083313, WO05044395, US6402630, US5820484, DE19617434, DE19512055, CN103182164,

Abstract:
Source: DE4218712A1 The ball (1) has a movable inner spherical body (2) inside it. This inner body (2) changes the direction of movement of the ball (1) after it has been thrown, kicked or hit. The inner body (2) moves eccentrically. Its centre of gravity is either arranged eccentrically towards the front or can simply be brought into an eccentric position. The inner body can be moved by a remote controlled battery (23) driven electric motor (18). The inner body is supported against the inside of the ball by at least three rollers (15), at least one connected to the motor drive shaft. USE/ADVANTAGE – For individual ball games e.g. billiards or team games, e.g. football. Adds random element to game and makes it more interesting.

0) BRMU7201705U – ESTOJO PORTATIL COM 05 BOLAS PARA JOGO DE MINI–...

85) Family number: 35367948 (BRMU7201705U) © PatBase

Title: Estojo portatil com 05 bolas para jogo de mini–bocha Portable case with 05 balls to mini–bocha game (Machine translation)

Priority: BR1992MU01705U 19921009

Family:

Publication number	Publication date	Application number	Application date
BRMU7201705 U	19940412	BR1992MU01705U	19921009

Probable Assignee: KORNPROBST ROLLAND LUCIEN

Assignee(s):(std)**:** KORNPROBST ROLLAND LUCIEN

Inventor(s):(std)**:** KORNPROBST ROLLAND LUCIEN

International class (IPC 1–7)**:** A63D2/02

Abstract:
Source: BRMU7201705U [Source: Claim 1] 1– REIHVIPICflCOES Estojo Portatil com 05 (oinco) bolas ' pgra jogo de Flini–Bocha, e caracterizado por.se const tuir em estojo de plastico de alta densidade, flexivel ¦ST5 com algas para faoilitarro transported Estojo Portatil com 05 (cinco) bolas 1 porn jogo de Nlni–Boeha, a caracterizado por possuir ss um sistema de fixacao composta de garras alternadas, 1 flexiveis, poe.4, que permitem um encaixe perfeito pa– io ' ra as bolas de mlnl–boohaa, sendo que as 04 (quatro) 1 bolas de tamanho maior aao fixadas nos cantos do esto– jo, o a bola menor (btilim) no centro do estojo. Estojo Portatil com 05 (cinco) mini–bjD loa o caracterizado pela sua concepcao moderna,pratica. 15 atuante, pequeno peso, e grande facilidade de transpor, te. [Source: Claim 1] 1–REIHVIPICflCOES Portable Case with 05 (five) balls Flini game pgra–Boccia, and featured por.se const persons in case of high–density plastic, flexible ¦ ST5 with seaweed for faoilitarro technology Portable Case with 05 (five) 1 anti–porn Nlni game balls–Boeha, characterized by possessing a fixation system composed of alternating 1 flexible jaws, poe, which allow a 4... perfect fit him ' pa ra mlnl–boohaa balls Since the 04 (four) balls size 1 aao fixed at the corners of the esto–jo, the smaller ball (btilim) in the center of the case. Portable case with 05 (five) mini–bjD loa the characterized by its modern conception, practice. 15 active, small weight, and great ease to cross, you.

0) DE9411350U1 – TRANSPORTABLES KLEINGOLF– UND BOCCIA–SPIEL POR...

86) Family number: 17704972 (DE9411350U1) © PatBase

Title: Transportables Kleingolf– und Boccia–Spiel Portable miniature golf and bowling game (Machine translation)

Priority: DE19940011350U 19940713

Family:

Publication number	Publication date	Application number	Application date
DE9411350 U1	19941103	DE19940011350U	19940713

Probable Assignee: DAUBER UWE

Assignee(s):(std)**:** DAUBER UWE

Assignee(s): DAUBER UWE 61348 BAD HOMBURG DE

International class (IPC 8–9): A63D3/00 A63F7/06 (Advanced/Invention)

International class (IPC 1–7): A63B67/00 A63B67/04

CPC: A63F7/0628 A63D3/00 A63F2007/301

European class: A63D3/00 A63F7/06A9 K63F7/30B2

Classification Explorer

Forward Citations: WO9629130, US5924693,

Abstract:
Source: DE9411350U1 (Claim 1) Schutzansprueche: besteht, und verschiedenartige Hindernisse (2) austauschbar, jedoch 2. Kleingolf–und Boccia–Spiel dadurch gekennzeichnet, dass die Vorder– seite (5) sowie die hintere Seite (6) mit einer schwalbenschwanz– foermigen Ausbuchtung (7) versehen sind und von der rechten und linken Umrandung (8), die mit einem Scharnier (9) versehen sind, geloest werden kann.

Machine translation: (Claim 1) Schutzansprueche: exists, and various obstacles (2) interchangeable, but second Miniature golf and bowling game wherein the front side (5) and the rear side (6) with a dovetail–shaped projection (7) and is accompanied by the right and left border (8), with a hinge (9) are provided, can be solved.

87) Family number: 12394756 (US5840485A) © PatBase

Title: Topologically segregated, encoded solid phase libraries

Priority: EP19940919294 19940527 EP20030003577 19940527 US19980198209 19981123 WO1994US06078 19940527 US19930068327 19930527 US19940249830 19940526

Family:

Publication number	Publication date	Application number	Application date
AT232882 E	20030315	AT19940919294T	19940527
AT366741 E	20070815	AT19940003577T	19940527
AU199470486 A1	19941220	AU19940070486	19940527
AU686186 B2	19980205	AU19940070486	19940527
CA2163637 AA	19951123	CA19942163637	19940527
CA2163637 C	20080506	CA19942163637	19940527
DE69432147 D1	20030327	DE19946032147	19940527
DE69432147 T2	20031127	DE19946032147T	19940527
DE69434998 D1	20070823	DE19946034998	19940527
DE69434998 T2	20080313	DE19946034998T	19940527
DK0705279 T3	20030610	DK19940919294T	19940527
DK1310510 T3	20070924	DK19940003577T	19940527
EP0705279 A1	19960410	EP19940919294	19940527
EP0705279 A4	19990324	EP19940919294	19940527
EP0705279 B1	20030219	EP19940919294	19940527
EP1310510 A2	20030514	EP20030003577	19940527
EP1310510 A3	20040421	EP20030003577	19940527
EP1310510 B1	20070711	EP20030003577	19940527
ES2204921 T3	20040501	ES19940919294T	19940527
ES2289194 T3	20080201	ES20030003577T	19940527
JP3394777 B2	20030407	JP19950501022	19940527
JP9501490 T2	19970210	JP19950501022T	19940527
NZ267843 A	19971024	NZ19940267843	19940527
PT1310510 T	20070829	PT20030003577T	19940527
PT705279 T	20030731	PT19940919294T	19940527
SI0705279 T1	20040229	SI19940030441T	19940527
SI1310510 T1	20071031	SI19940030484T	19940527
US5840485 A	19981124	US19940249830	19940526
US6090912 A	20000718	US19980198209	19981123
WO9428028 A1	19941208	WO1994US06078	19940527

Probable Assignee: AVENTISUB II INC

Assignee(s):(std)**:** SELECTIDE CORP ; AVENTIS PHARMA INC

Assignee(s): SELECTIDE CORP TUCSON ; HMR PHARMA INC ; AVENTIS HOLDINGS INC ; AVENTIS PHARMACEUTICALS INC ; AVENTISUB II INC ; AVENTISUB INC ; LEBL MICHAL ; KOCIS PETER ; LAM KIT S ; SALMON SYDNEY E ; KRCHNAK VICTOR ; AVENTISUB LLC ; SEPETOV NIKOLAI

Inventor(s):(std)**:** KOCIS PETER ; KRCHNAK VICTOR ; LAM KIT S ; LEBL MICHAL ; SALMON SUDNEY E ; SALMON SYDNEY E ; SEPETOV NIKOLAI

Inventor(s): SUDNEY E SALMON ; SYDNEY E SALMON ; VICTOR KRCHNAK ; MICHAL LEBL ; NIKOLAI SEPETOV ; PETER KOCIS ; KIT S LAM

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP

Designated states:

AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GE GN GR HU IE IT JP KG KR KZ LI LK LU LV MC MD MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SI SK SN TD TG TJ UA UZ

International class (IPC 8–9): C07B61/00 C07K1/04 C07K17/00 C40B30/04 C40B40/04 C40B50/16 C40B70/00 G01N33/53 G01N33/531 G01N33/543 G01N33/566 (Advanced/Invention); C07B61/00 C07K17/00 C40B70/00 G01N33/53 G01N33/543 G01N33/566 (Advanced/Non–invention); C07B61/00 C07K1/00 C07K17/00 C12P21/00 C12Q1/00 C40B30/04 C40B40/04 C40B50/14 C40B70/00 G01N33/53 G01N33/531 G01N33/543 G01N33/566 (Core/Invention); C40B70/00 (Core/Non–invention)

International class (IPC 1–7): C07B61/00 C07H21/04 C07K1/00 C07K1/04 C07K17/00 C07K17/02 C07K4/00 C12N9/48 C12P21/00 C12Q1/68 G01N33/53 G01N33/531 G01N33/543 G01N33/566

CPC: B01J2219/00572 B01J2219/00596 C07K1/047 C40B70/00

European class: C07K1/04C L01J219/00C2N14 L01J219/00C4H M40B70/00

US class: 435/212 435/213 435/6 435/6.1 435/6.12 435/7.1 436/518 436/523 436/528 436/531 506/20 506/3 506/9 530/300 530/304 530/323 530/334 530/402 530/407 536/23.1

Classification Explorer

Cited documents: WO9408051 A1, WO9320242 A1, WO9306121 A1, WO9218144, WO9200091 A1, WO9119735 A1, WO9009395, US93981192, US91945492, US71745491, US717454, US5858670 A, US5840485 A, US5480971 A, US5475085 A, US5463564 A, US5449754 A, US5424186 A, US5395750 A, US5318679 A, US5288514 A, US5228514 A, US5182366 A, US5010175, GM7817066, GB8809162, EP1052196 A2, EP0857669 A2, EP0639584 A1, EP0577540 A1, DE7817066 U, AU8900166,

Forward Citations: WO9950658, WO9950658, WO9824760, WO9744338, WO9716569, WO9700267, WO9622304, WO17099579, WO13070796, WO10094027, WO08043566, WO06102542, WO04087933, WO04087933, WO04085049, WO04085049, WO03057165, WO03020702, WO03019183, WO02066612, WO02064773, WO02064773, WO0188160, WO0188160, WO0073504, WO0073504, WO0063419, US9709559, US9695169, US9663517, US9637777, US9632081, US9624213, US9610360, US9574189, US9550860, US9512148, US9493540, US9487515, US9469640, US9447089, US9436088, US9400259, US9377388, US9359601, US9359289, US9322026, US9284600, US9272986, US9251583, US9249207, US9169250, US9169210, US9163256, US9150570, US9147037, US9127024, US9121110, US9109248, US9102648, US9096951, US9096593, US9063140, US9029152, US8932992, US8906608, US8865735, US8822754, US8808984, US8795960, US8791053, US8748455, US8748125, US8741920, US8728808, US8722702, US8722583, US8715959, US8712123, US8691754, US8691729, US8691594, US8691527, US8680249, US8680202, US8669051, US8615367, US8609081, US8603454, US8598409, US8580244, US8580243, US8580242, US8563247, US8524948, US8518388, US8497365, US8497093, US8486720, US8486629, US8475781, US8470821, US8470818, US8461169, US8415469, US8404700, US8404662, US8399431, US8389499, US8367828, US8314230, US8313731, US8309368, US8268858, US8252276, US8236556, US8206914, US8206901, US8202718, US8168426, US8124402, US8110179, US8105825, US8088382, US8076454, US8071393, US8067434, US8053463, US8039271, US8030067, US8021878, US8017323, US8013118, US7998904, US7981400, US7947708, US7935510, US7927791, US7919269, US7915201, US7893075, US7872018, US7863289, US7863288, US7851220, US7846941, US7829676, US7807417, US7776587, US7771935, US7749774, US7723374, US7718601, US7605168, US7601508, US7585859, US7582488, US7563928, US7563879, US7557070, US7557068, US7531568, US7531326, US7504509, US7498342, US7491831, US7491494, US7488451, US7476746, US7456315, US7442160, US7427512, US7348338, US7291504, US7291461, US7291456, US7262269, US7253435, US7223545, US7217507, US7205383, US7202266, US7202030, US7144119, US7102023, US7090759, US7083914, US7070928, US7067326, US7057704, US7056746, US7041510, US6991941, US6958245, US6955751, US6942966, US6908737, US6875736, US6869763, US6828427, US6797524, US6797522, US6756195, US6750344, US6693178, US6670298, US6670142, US6660466, US6559303, US6514771, US6506342, US6503713, US6489093, US6472441, US6468811, US6465432, US6455595, US6440745, US6426421, US6419881, US6410342, US6329523, US6316626, US6245937, US6207826, US6197965, US6184389, US6168913, US6150129, US6127191, US6107482, US6090912, US6077954, US6066673, US6057102, US5998419, US5922872, US5919955, US5856083, US5824483, US5817489, US5798360, US5731438, US2015051101, US2011237540, US2011190141, US2011166174, US2011124516, US2011092538, US2011059963, US2010324065, US2010310659, US2010256365, US2010249118, US2009264300, US2009247421, US2009239211, US2009143232, US2009105297, US2009076046, US2009018027,

US2008305957, US2008255201, US2008207465, US2008188514, US2008187949, US2008167338, US2008058427, US2008045581, US2008038844, US2007259449, US2007155818, US2007154934, US2007149603, US2007082412, US2007072904, US2007066641, US2007032519, US2007015230, US2006292603, US2006275923, US2006269920, US2006257866, US2006246450, US2006228741, US2006228740, US2006228730, US2006223086, US2006194234, US2006188943, US2006160135, US2006134681, US2006127369, US2006121470, US2006116416, US2006110754, US2006100218, US2006041006, US2006040411, US2006008475, US2005288354, US2005233381, US2005233327, US2005227281, US2005221368, US2005208468, US2005170431, US2005170376, US2005164300, US2005153357, US2005142583, US2005136441, US2005112655, US2005084914, US2005084423, US2005079548, US2005042669, US2005038246, US2004259798, US2004235053, US2004220389, US2004219545, US2004180412, US2004171062, US2004142864, US2004126773, US2004096911, US2004096846, US2004037744, US2003228610, US2003219804, US2003219800, US2003211471, US2003207249, US2003166177, US2003166015, US2003153523, US2003134330, US2003129654, US2003124746, US2003113738, US2003104494, US2003104430, US2003059764, US2003049632, US2003036096, US2003027214, US2003022393, US2003008323, US2002198665, US2002090613, US2001007775, JP2008538112, GB2364704, GB2364704, EP3178486, EP3000317, EP2933265, EP2857036, EP2444102, EP2441467, EP2332567, EP2305808, EP2292654, EP2292088, EP2290364, EP2275558, EP2236606, EP2236606, EP1905829, EP1828381, EP1810978, EP1726959, EP1726958, EP1726957, EP1608748, EP1437596, EP1402024, EP1373303, EP1368049, EP1144600, EP1100913, EP1098905, EP0964874, EP0879286, EP0858454, EP0739486, DE102004023906, AU2005227916,

Abstract:
Source: US5840485A The invention relates to libraries of synthetic test compound attached to separate phase synthesis supports that also contain coding molecules that encode the structure of the synthetic test compound. The molecules may be polymers or multiple nonpolymeric molecules. The synthetic test compound can have backbone structures with linkages such as amide, urea, carbamate (i.e., urethane), ester, amino, sulfide, disulfide, or carbon–carbon, such as alkane and alkene, or any combination thereof. Examples of subunits suited for the different linkage chemistries are provided. The synthetic test compound can also be molecular scaffolds, such as derivatives of monocyclic of bicyclic carbohydrates, steroids, sugars, heterocyclic structures, polyaromatic structures, or other structures capable of acting as a scaffolding. Examples of suitable molecular scaffolds are provided. The invention also relates to methods of synthesizing such libraries and the use of such libraries to identify and characterize molecules of interest from among the library of synthetic test compound.

0) US5601772A – METHOD TO PRODUCE BOWLS OF A PLASTIC MATERIAL A...

88) Family number: 12943930 (US5601772A) © PatBase

Title: Method to produce bowls of a plastic material and bowls thus produced

Priority: CA19942129409 19940803 IT1993UD00161 19930812 US19950527433 19950913 US19940283920 19940803

Family:

Publication number	Publication date	Application number	Application date
CA2129409 AA	19950213	CA19942129409	19940803
IT1262180 B	19960619	IT1993UD00161	19930812
ITUD930161 A0	19930812	IT1993UD00161	19930812
ITUD930161 A1	19950213	IT1993UD00161	19930812
US5601772 A	19970211	US19950527433	19950913

Probable Assignee: PLASTIC LEGNO GIOCATTOLI DI CO

Assignee(s):(std)**:** PLASTIC LEGNO GIOCATTOLI DI CO ; PLASTIC LEGNO GIOCATTOLI DI CONTESSI AND C SNC

Assignee(s): CONTESSI CLAUDIA

Inventor(s):(std)**:** CONTESSI CLAUDIA

Agent(s): GOUDREAU GAGE DUBUC

International class (IPC 8–9)**:** A63B37/00 B29C45/00 B29D31/00 B29D99/00 (Advanced/Invention); B29C35/16 (Advanced/Non–invention); A63D (Subclass/Invention)

International class (IPC 1–7)**:** A63B37/00 B29C45/00 B29D31/00

CPC: A63B37/0001 A63B2208/12 B29C45/00 B29C45/0005 B29C45/0013 B29C2035/1616 B29K2023/12 B29K2105/16 B29K2511/14 B29K2995/002

European class: B29C45/00 B29C45/00D B29C45/00E K63B208/12 K63B37/00B L29C35/16B L29K105/16 L29K23/12 L29K511/14 L29K995/00E2

US class: 264/129 264/154 264/328.1 264/328.8 264/331.15 264/478

Classification Explorer

Cited documents: US4948006 A, US4766172 A, US4210992 A, US4165875 A, US4141559 A, US3924856 A, US3498268 A, DE3641881 A1,

Forward Citations: US2012098160,

Abstract:
Source: US5601772A Method to produce bowls of a plastic material, whereby polypropylene is mixed with an additive and/or dye after suitable dosing and is introduced into a moulding press, wherein it is heated to 180 DEG –210 DEG C., and is then injected into a mould, where it is kept under a further pressure for 20–60 seconds, the product then being extracted and cooled in water before removal of flash so as to produce the bowl. Bowl consisting of polypropylene and produced according to the above method.

0) DE9416236U1 – GARTENSESSEL MIT ELASTISCHER SITZ– UND RUECKENB...

89) Family number: 17710337 (DE9416236U1) © PatBase

Title: Gartensessel mit elastischer Sitz– und Rueckenbespannung Garden chairs with flexible seating and Rueckenbespannung (Machine translation)

Priority: DE19940016236U 19941008

Family:

Publication number	Publication date	Application number	Application date
DE9416236 U1	19950309	DE19940016236U	19941008

Probable Assignee: DIMA FREIZEITMOEBEL GMBH

Assignee(s):(std)**:** DIMA FREIZEITMOEBEL GMBH

Assignee(s): DIMA FREIZEITMOEBEL GMBH 73278 SCHLIERBACH DE

International class (IPC 8–9)**:** A47C23/20 A47C7/22 (Advanced/Invention); A47C23/00 A47C7/02 (Core/Invention)

International class (IPC 1–7)**:** A47C7/02 A47C7/36 A47C9/00

CPC: A47C7/282 A47C23/20

European class: A47C23/20 A47C7/22B A47C7/28A

Classification Explorer

Abstract:
Source: DE9416236U1 (Claim 1) Schutzanspruch: Gartensessel mit elastischer Sitz–und Rueckenbespannung auf Holzrahmen dadurch gekennzeichnet, dass das leicht elastische Gewebe als Huelle ueber Sitz–und Rueckenrahmen gezogen wird. Um den uebermaessigen Durchhang bei Sitzbelastung geringer zu halten muss das Gewebe vorgespannt werden.

Machine translation: (Claim 1) protection claim: garden chairs with flexible seating and Rueckenbespannung on wood frame, wherein the slightly elastic tissue is drawn as a cover over the seat and Rueckenrahmen. To keep the excess slack in the seat load less tissue needs to be preloaded.

0) IT1262845B – MACHINE FOR THE SANDING AND POLISHING OF BOWLS ...

90) Family number: 14234972 (IT1262845B) © PatBase

Title: Machine for the sanding and polishing of bowls made of synthetic material

Priority: IT1993RE00091 19931227

Family:

Publication number	Publication date	Application number	Application date
IT1262845 B	19960704	IT1993RE00091	19931227
ITRE930091 A0	19931227	IT1993RE00091	19931227
ITRE930091 A1	19950628	IT1993RE00091	19931227

Probable Assignee: MUSSINI TIZIANO

Assignee(s):(std)**:** MUSSINI TIZIANO ; SILIGARDI FRANCO ; SILIGARDI GEO

Inventor(s):(std)**:** MUSSINI TIZIANO ; SILIGARDI FRANCO ; SILIGARDI GEO

International class (IPC 8–9): B24B (Subclass/Invention)

International class (IPC 1–7): B24B

Classification Explorer

Abstract:
The machine for sanding and polishing bowls comprises a disk which having planetary motion acts on the bowl placed on a support, imparting a spiral motion to the points on its surface. There are sanding and polishing units alongside the bowl. The sanding units are tape units which unwind slowly from a roll and which wind onto another and are pressed against the bowl by means of a roller. The polishing units are shaped rag and felt polishing units in which the axis of rotation of the disk acts on the bowl.

0) BRPI9402397A – BLOCO CILINDRICO EM ROCHA ORNAMENTAIS REFORCADO...

91) Family number: 11867 (BRPI9402397A) © PatBase

Title: Bloco cilindrico em rocha ornamentais reforcado Reforcado cylindrical ornamental rock block (Machine translation)

Priority: BR1994PI02397 19940606

Family:

Publication number	Publication date	Application number	Application date
BRPI9402397 A	19960109	BR1994PI02397	19940606

Probable Assignee: GONCALVES BRAZ SEBASTIAO

Assignee(s):(std)**:** GONCALVES BRAZ SEBASTIAO

Inventor(s):(std)**:** GONCALVES BRAZ SEBASTIAO

Inventor(s): BRAZ SEBASTIAO GONCALVES

International class (IPC 8–9): E04C3/30 E04F11/02 E04F11/18 (Advanced/Invention); E04C3/30 E04F11/02 E04F11/18 (Core/Invention)

International class (IPC 1–7): E04C3/30 E04F11/02 E04F11/18

Classification Explorer

Abstract:
Source: BRPI9402397A [Source: Claim 1] ¦ ¦ IIN 1 – ssHLOCO Pn.Tmrnn » bhpbi apmimwitb BEFGBC and DO" caracterizado por um conjunto do discoss macicoss com urn orificio no centro por onde ae paeea uma barra do ferro 5 ou um tubo de acordo com o emprego ate um diametro do 125 mm (cento e vinte e cinco milimetross), acima dessa medida sao intercalados discos macicos com aneis distribuidos de acordo com o tamanho do bloco, tendo suas extremidades macicas. 10 2 – "HUOCO cnlmanco m BOCHA cmxmmra BBOBCADO" caracterizado por um conjunto de discos macicos e aneis que variam de groseura de acordo com os desenhos a serem entalhados. 3 – "BUSCO dUMDBICO BI BOCHA 0MMBMBJ3 BEFQBCADO" 15 caraterizado por um conjunto de discos e aneis unidos entre ei por cola apropriada a base da resina ou cimanto–cola. [Source: Claim 1] ¦ ¦ IIN 1–ss HLOCO Tmrnn ' bhpbi apmimwitb Pn. BEFGBC and the "characterized by a set of disk ss ceramic ss with urn in the center hole where ae paeea a 5 iron bar or a tube according to the job up to a diameter of 125 mm (125 mm ss), above this measure are interspersed with massive disks rings distributed according to the size of the block, having their ends macicas. 10 2–"HUOCO cnlmanco m cmxmmra BBOBCADO BOULES" characterized by a set of massive disks and rings ranging from groseura according to the drawings to be carved. 3–"SEEK BI 0MMBMBJ3 BEFQBCADO dUMDBICO BOCCIA" 15 characterized by a set of disks and rings in the United for suitable glue or resin base cimanto–cola.

0) BRMU7600638U – MESA PARA JOGO DE BOCHA TABLE FOR GAME OF BOUL...

92) Family number: 31645065 (BRMU7600638U) © PatBase

Title: Mesa para jogo de bocha Table for game of boules (Machine translation)

Priority: BR1996MU00638U 19960408

Family:

Publication number	Publication date	Application number	Application date
BRMU7600638 U	19970826	BR1996MU00638U	19960408

Probable Assignee: RIZZON DARCI

Assignee(s):(std)**:** RIZZON DARCI

Inventor(s):(std)**:** RIZZON DARCI

Inventor(s): DARCI RIZZON

International class (IPC 8–9)**:** A63D1/00 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7)**:** A63D1/00

Classification Explorer

Abstract:
Source: BRMU7600638U [Source: Claim 1] 1. "MESA PARA JOGO DB BOCHA", caracteri– zado por consistir, basica e essencialmente, em uma mesa propriamente dita (1), provida de p and s (2) e do– 5 tada de tampo (3), o qual e composto por uma super– Jicic protetora (4) e uma borda lateral periferica sa– liente (5)ss [Source: Claim 1] 1. "TABLE to DB GAME BOCCE", performed by as–consist, basically and essentially, in an actual table (1), with p and s (2) and–5 tada (3)–head, which consists of a super–Jicic protector (4) and a lateral edge periferica sa–liente (5) ss

0) DE29619717U1 – DEVICE FOR SPACER REGULATION VORRICHTUNG ZUR AB...

93) Family number: 16949596 (DE29619717U1) © PatBase

Title: Device for spacer regulation

Priority: DE19962019717U 19961113

Family:

Publication number	Publication date	Application number	Application date
DE29619717 U1	19980312	DE19962019717U	19961113

Probable Assignee: NETT HORST WILHELM

Assignee(s):(std)**:** NETT HORST WILHELM

Assignee(s): NETT HORST WILHELM 42489 WUELFRATH DE

International class (IPC 8–9): A63B67/06 G01B5/14 (Advanced/Invention); A63B67/06 G01B5/14 (Core/Invention)

International class (IPC 1–7): A63B7/00 G01B3/08 G01B5/14 G01B9/06

CPC: A63B67/068 G01B5/14

European class: A63B67/06B2 G01B5/14

Classification Explorer

Forward Citations: WO15009894, FR2898281, AU2014290018,

Abstract:
Source: DE29619717U1 (Claim 1) 1. Vorrichtung zur Abstandsbestimmung zwischen einem Zielobjekt und einem Gegenstand mittels einer teleskopierbarenMesslatte insbesondere bei Ballspielen, gekennzeichnet durch ein das Zielobjekt (2) einschliessendabsetzbares Ringvisier (4), an welchem die Messlatte (5) frei schwenkbar, die Visierlinie (13) des Ringvisiersschneidend, angeordnet ist. 2. Vorrichtung nach Anspruch 1 oder insbesondere danach,dadurch gekennzeichnet, dass das Ringvisier (4) als Hohlzylinder (6) ausgebildet ist, zur Aufnahme oderUeberdeckung des Zielobjektes (2). 3. Vorrichtung nach einem oder mehreren der vorhergehendenAnsprueche oder insbesonder e danach, dadurch gekennzeichnet, dass das Ringvisier (4) senkrecht zur Visierlinie(13) mit einer Zentriermarkierung (7) versehen ist.

Machine translation: (Claim 1) 1 Device for determining the distance between a target object and an object using a teleskopierbarenMesslatte especially in ball games, characterized by the target object (2) einschliessendabsetzbares Ring Sight (4), at which the bar (5) freely rotatable, the line of sight (13) of the ring is targeting Cutting, arranged. Second The apparatus of claim 1 or especially after, wherein the ring sight (4) is a hollow cylinder (6), for recording or cover over the target object (2). Third The device according to one or more of the particular e vorhergehendenAnsprueche or thereafter, wherein the ring sight (4) is provided perpendicular to line of sight (13) with a centering marks (7).

0) ITTO960829A – PROCEDIMENTO DI FABBRICAZIONE DI UNA BOCCIA DA ...

94) Family number: 30897515 (ITTO960829A) © PatBase

Title: PROCEDIMENTO DI FABBRICAZIONE DI UNA BOCCIA DA GIOCO IN LEGA METALLICA E BOCCIA OTTENUTA CON TALE PROCEDIMENTO.

Priority: IT1996TO00829 19961010

Family:

Publication number	Publication date	Application number	Application date
IT1288744 B1	19980924	IT1996TO00829	19961010
ITTO960829 A0	19961010	IT1996TO00829	19961010
ITTO960829 A1	19980410	IT1996TO00829	19961010

Probable Assignee: SPORT DIFFUSIONE S N C DI MANA

Assignee(s):(std)**:** SPORT DIFFUSIONE S N C DI MANA

Assignee(s): SPORT DIFFUSIONE S N C DI MANA GIO VANNI MANA ANNA ; SPORT DIFFUSIONE S N C DI MANA GIO VANNI MANA ANNA MARIA AND GILARDONI ; SPORT DIFFUSIONE S N C DI MANA GIOVANNI MANA ANNA ; SPORT DIFFUSIONE S N C DI MANA GIOVANNI MANA ANNA MARIA AND ; SPORT DIFFUSIONE SNC DI MANA GIO VANNI MANA ANNA MARIA AND GILARDONI ; SPORT DIFFUSIONE SNC DI MANA GIOVANNI MANA ANNA MARIA AND

Inventor(s):(std)**:** GILARDONI PIERO ALBERTO ; MANA GIOVANNI

International class (IPC 8–9): A63D (Subclass/Invention)

International class (IPC 1–7): A63D

Classification Explorer

0) BRMU7600128U – DISPOSICAO PROPORCIONAR A MESA PARA ENTRETENIME...

95) Family number: 31649441 (BRMU7600128U) © PatBase

Title: Disposicao proporcionar a mesa para entretenimento Character provide the table for entertainment (Machine translation)

Priority: BR1996MU00128U 19960207

Family:

Publication number	Publication date	Application number	Application date
BRMU7600128 U	19980602	BR1996MU00128U	19960207

Probable Assignee: DE CAMPOS PINHEIRO ABILIO

Assignee(s):(std)**:** DE CAMPOS PINHEIRO ABILIO

Inventor(s):(std)**:** DE CAMPOS PINHEIRO ABILIO

Inventor(s): CAMPOS PINHEIRO ABILIO DE

International class (IPC 8–9): A47B13/10 (Advanced/Invention); A47B13/08 (Core/Invention)

International class (IPC 1–7): A47B13/10

Classification Explorer

Abstract:
Source: BRMU7600128U [Source: Claim 1] 1. "Disposicao proporcionada a icesa para entret enimento", caracterizado por compreender tampo (l) de format o octogonal alongado, contornado por ba– 5 tente ou tabela (2) ressaltado, sendo o tai–po forrado cor. tecido plastico erfcorracr.ado (3) enquanto cue o batente ou tabela (2) apresenta incrustacao de mate – rial esponjoso de borracha (4) e revestimento de teci do plastico (5), 3 end o o tampo demarcado por tres li– 10 nhas no sentido perpendicular, uma central (60 e duas ncs extremidades (7) irunlmente afastadas da central. [Source: Claim 1] 1. "Character provided the icesa for entertai enimento", characterized by understanding top (l) to format the elongated octagonal, bypassed by ba–5 try or table (2) pointed out, the tai po lined plastic woven erfcorracr.ado color (3) while cue the stop or table (2) presents incrustacao of mate–rial spongy rubber (4) and (5) made of plastic, 3 end the demarcated by three li–10 towards perpendicular lines, a central (60 and two ncs ends (7) away from central irunlmente.

0) US2004194160A – INTRACELLULAR MODULATORS OF APOPTOPIC CELL DEAT...

96) Family number: 20661176 (US2004194160A) © PatBase

Title: Intracellular modulators of apoptopic cell death pathways

Priority: EP19970107033 19970428 EP19980925488 19980427 US19980403861 19980427 US20030630926 20030731 US20000403861 20000211 US20040012128 20041216 WO1998EP02490 19980427

Family:

Publication number	Publication date	Application number	Application date
AT386803 E	20080315	AT19980925488T	19980427
AU199877593 A1	19981124	AU19980077593	19980427
AU747869 B2	20020523	AU19980077593	19980427
AU747869 C	20030417	AU19980077593	19980427
CA2287906 AA	19991027	CA19982287906	19980427
DE69839150 D1	20080403	DE19986039150	19980427
DE69839150 T2	20090709	DE19986039150T	19980427
DK1007672 T3	20080407	DK19980925488T	19980427
EP0884385 A1	19981216	EP19970107033	19970428
EP1007672 A1	20000614	EP19980925488	19980427
EP1007672 B1	20080220	EP19980925488	19980427
ES2297887 T3	20080501	ES19980925488T	19980427
IL132632 A0	20010319	IL19980132632	19980427
IL132632 A1	20070211	IL19980132632	19980427
JP2001523102 T2	20011120	JP19980546599T	19980427
PT1007672 T	20080313	PT19980925488T	19980427
SI1007672 T1	20080630	SI19980030904T	19980427
US2004194160 AA	20040930	US20030630926	20030731
US2005095681 AA	20050505	US20040012128	20041216
US6833348 BA	20041221	US20000403861	20000211
US7256321 BB	20070814	US20030630926	20030731
WO9849291 A1	19981105	WO1998EP02490	19980427

Probable Assignee: MERCK SERONO SA

Assignee(s):(std)**:** APPLIED RESEARCH SYSTEMS ARS HOLDING N V ; APPLIED RESEARCH SYSTEMS ; RICCARDI CARLO ; SERONO LAB

Assignee(s): MERCK SERONO SA ; APPLIED RESEARCH SYSTEMS ARS HOLDING JOHN B GORSIR ; APPLIED RESEARCH SYSTEMS ARS HOLDING NV ; LABORATOIRES SERONO S A ; LABORATOIRES SERONO S A COINSINS ; LABORATOIRES SERONO SA

Inventor(s):(std)**:** CARLO RICCARDI ; RICCARDI CARLO ; RICCARDO CARLO

Agent(s): GRIFFITH HACK; KIRBY EADES GALE BAKER; INTERPHARM LABORATORIES LTD; BROWDY AND NEIMARK PLLC 624 NINTH STREET NW; BROWDY AND NEIMARK PLLC

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A01K67/033 A61K31/711 A61K35/76 A61K38/00 A61K38/17 A61K48/00 A61P31/18 A61P35/00 A61P43/00 C07K14/47 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N5/02 C12N5/10 G01N33/50 (Advanced/Invention); A61K31/711 A61K38/00 A61K48/00 A61P35/00 A61P43/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N5/10 (Advanced/Non–invention); A61K38/00 A61K48/00 C07K14/00 C12N15/00 C12N5/00 G01N33/00 (Core/Invention)

International class (IPC 1–7):	A01K67/027 A61K31/711 A61K35/76 A61K38/00 A61K38/17 A61K48/00 A61P31/18 A61P35/00 A61P43/00 C07H21/04 C07K14/47 C07K14/72 C07K17/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/63 C12N15/70 C12N15/74 C12N5/00 C12N5/02 C12N5/10 G01N33/00 G01N33/50
CPC:	C07K14/4703 A61K38/00 A61K48/00 C07K14/4705
European class:	C07K14/47A1A C07K14/47A1B K61K38/00 K61K48/00 M07K203/02 M07K207/00 M07K213/00 M07K213/04 M07K215/00
US class:	435/320.1 435/320.100S 435/325 435/325S 435/69.1 435/69.100P 514/12.2 514/2 514/21.8 514/21.9 530/350 530/350S 536/23.5 536/23.500S 800/13 800/18 800/18P 800/21 800/3 800/3S

Classification Explorer

Cited documents:	WO8702671, WO8601533, USRE33653, US9610521, US5149782, US5142033, US5130238, US5122464, US5116943, US5108921, US5091310, US5066584, US5017691, US4994370, US4965195, US4965188, US4959314, US4921794, US4904584, US4889818, US4879111, US4800159, US4795699, US4766067, US4737462, US4699880, US4683202, US4683195, US4656134, US4588585, US4376110, EP184187, EP173494, EP171496, EP125023,
Forward Citations:	WO12118821, WO12118821, WO03054193, WO03054193, US8999937, US8198235, US2009028875, US2005164906, EP1465996,

Abstract:
Source: US2004194160A A DNA sequence encoding a glucocorticoid−induced leucine−zipper family related protein (GILR), isoforms, fragments or analogs thereof, said GILR, isoforms, fragments or analogs thereof capable of inhibiting apoptosis and stimulating lymphocyte activity, GILR proteins, isoforms, analogs, fragments and derivatives thereof encoded by the aforesaid DNA sequence, their preparation and uses.

0) DE19721022A1 – SATELLITE TOWN FOR EUROPEAN COUNTRY AND HOLIDAY...

97) Family number: 13517114 (DE19721022A1) © PatBase

Title: Satellite town for European country and holiday centre

Priority: DE19971021022 19970520

Family:

Publication number	Publication date	Application number	Application date
DE19721022 A1	19981126	DE19971021022	19970520

Probable Assignee: KREITZ HANJO DR

Assignee(s):(std)**:** KREITZ HANJO DR

Assignee(s): KREITZ HANJO DR 40721 HILDEN DE

Inventor(s):(std)**:** KREITZ HANJO DR

Inventor(s): KREITZ HANJO DR 40721 HILDEN DE

International class (IPC 8–9): E03F1/00 E04H3/02 (Advanced/Invention); E03F1/00 E04H3/02 (Core/Invention)

International class (IPC 1–7): E03F1/00 E03F3/00 E04H3/02

CPC: E03F1/00 E04H3/02

European class: E03F1/00 E04H3/02

Classification Explorer

Cited documents: WO9313282, DE4424051, DE4203718, DE29700912 U, DE1684720,

Abstract:
Source: DE19721022A1 The town is for control and production of European products with overall coverage of approximately 200 square kilometres. It also serves for economical tourism. The quality of the buildings and facilities in high and cleanliness is of prime importance. Where used for holiday purposes, relatively few personnel are required. Overhead personnel transport is the norm, along the lines of that used in the German town of Wuppertal. In the outer areas and suburbs, farms and production units are to be envisaged. Special vehicles would be made available for care and maintenance of all installations. Cash dispensing machines would be generally available. Normally accommodation would be in the form of apartment blocks, based on two bedrooms arranged around a central reception area. All ducts for rubbish, rain water, sewage and conduits would be contained in covered–in shafts. The centre of each town would be occupied by power stations, rubbish burning plants, police, fire brigade, hospitals, post offices, supermarkets, bus stations and sports stadiums.

0) US6344469B – FUNGICIDE MIXTURES

98) Family number: 20670003 (US6344469B) © PatBase

Title: Fungicide mixtures

Priority: DE19971023288 19970604 WO1998EP02945 19980520

Family:

Publication number	Publication date	Application number	Application date
AR014101 AA	20010207	AR1998P102638	19980604
AU199881053 A1	19981221	AU19980081053	19980520
BRPI9809721 A	20000711	BR1998PI09721	19980520
CA2291753 AA	19991126	CA19982291753	19980520
CN1259014 A	20000705	CN19988005753	19980520
CO5040018 A1	20010529	CO19980031430	19980603
EA001940 B1	20011022	EA19990001069	19980520
EA199901069 A1	20000626	EA19990001069	19980520
EP0986305 A1	20000322	EP19980930709	19980520
HU0004224 AB	20010428	HU20000004224	19980520
HU0004224 AC	20021128	HU20000004224	19980520
IL132470 A0	20010319	IL19980132470	19980520
JP2002501538 T2	20020115	JP19990501391T	19980520
KR20010013339 A	20010226	KR19997011335	19980520
NZ500985 A	20020726	NZ19980500985	19980520
PL337230 A1	20000814	PL19980337230	19980520
SK162399 A3	20000612	SK19990001623	19980520
TW533057 B	20030521	TW19980108710	19980603
US6344469 BA	20020205	US19990424917	19991201
WO9854968 A1	19981210	WO1998EP02945	19980520
ZA9804755 A	19991203	ZA19980004755	19980603

Probable Assignee: BASF AG

Assignee(s):(std)**:** BIRNER ERICH ; LEYENDECKER JOACHIM ; BASF AKTIENGESELLSCHAFT ; BASF SE ; BASF CORP ; SCHELBERGER KLAUS ; SAUR REINHOLD ; SAUTER HUBERT ; MUELLER BERND ; LORENZ GISELA ; STRATHMANN SIEGFRIED ; AMMERMANN EBERHARD ; BASF AG

Assignee(s): BASF AG LUDWIGSHAFEN RHEIN ; MULLER BERND

Inventor(s):(std)**:** AMMERMANN EBERHARD ; BERND MUELLER ; BERND MULLER ; BIRNER ERICH ; DR AMMERMANN EBERHARD ; DR LEYENDECKER JOACHIM ; DR LORENZ GISELA ; DR MUELLER BERND ; DR SAUR REINHOLD ; DR SAUTER HUBERT ; DR SCHELBERGER KLAUS ; DR STRATHMANN SIEGFRIED ; EBERHARD AMMERMANN ; ERICH BIRNER ; GISELA LORENZ ; H SAUTER ; HUBERT SAUTER ; JOACHIM LEYENDECKER ; K SCHELBERGER ; KLAUS SCHELBERGER ; LEYENDECKER JOACHIM ; LEYENDECKER JOACHIM AND ; LEYENDECKKER JOACHIM ; LORENZ GISELA ; MUELLER BERND ; MULLER BERND ; R SAUR ; REINHOLD SAUR ; REYNOLD SAUR ; SAUR R ; SAUR REINHOLD ; SAUR REYNOLD ; SAUTER H ; SAUTER HUBERT ; SCHELBERGER K ; SCHELBERGER KLAUS ; SIEGFRIED STRATHMANN ; STRATHMANN SIEGFRIED

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; ROBIC; ERNESTO CAVELIER

Designated states: AL AM AT AU AZ BE BG BR BY CA CH CN CY CZ DE DK ES FI FR GB GE GR HU ID IE IL IT JP KG KR KZ LI LT LU LV MC MD MX NL NO NZ PL PT RO RU SE SG SI SK TJ TM TR UA US

International class (IPC 8–9): A01N43/50 A01N43/74 A01N43/828 A01N47/10 A01N47/20 A01N47/24 B29D19/00 (Advanced/Invention);
A01N47/24 (Advanced/Non–invention);
A01N43/48 A01N43/72 A01N47/10 B29D19/00 (Core/Invention)

International class (IPC 1–7):	A01N43/50 A01N43/56 A01N43/64 A01N43/653 A01N43/74 A01N43/82 A01N43/828 A01N47/10 A01N47/20 A01N47/24 F16C1/08
CPC:	A01N47/24
European class:	A01N47/24
US class:	514/361 514/384 514/407
Classification Explorer	
Cited documents:	WO9701277 A1, WO9610258 A1, WO9603047 A1, WO9601258 A1, WO9601256 A1, US4931581 A,
Forward Citations:	WO09098188, WO09098188, US8044084, US2010323886, US2010272853, US2007093389, CN102036562,

Abstract:
Source: US6344469B Fungicidal mixture comprisesa) a carbamate of the formula I, in which X is CH or N, n is 0, 1 or 2 and R is halogen, C1−C4−alkyl and C1−C4−haloalkyl, it being possible for the radicals R to be different if n is 2, or a salt or adduct thereof, andb) a 4,5−benzo−1−thia−2,3−diazole of the formula II in which R' is CN, CO2H, CO2−C1−C4−alkyl or CO−S−C1−C4−alkyl, or a salt or adduct thereof,in a synergistically effective amount.

0) DE29914789U1 – SPIEL– UND SPORTGERAET FUER DEN BALLSPORT SPORT...

99) Family number: 17000812 (DE29914789U1) © PatBase

Title: Spiel– und Sportgeraet fuer den Ballsport Sportgeraet for the game and ball sports (Machine translation)

Priority: DE19992014789U 19990824

Family:

Publication number	Publication date	Application number	Application date
DE29914789 U1	19991118	DE19992014789U	19990824

Probable Assignee: THIEME SPORT GMBH

Assignee(s):(std)**:** THIEME SPORT GMBH

Assignee(s): SPORT THIEME GMBH

International class (IPC 8–9)**:** A63B63/00 (Advanced/Invention); A63B71/02 (Advanced/Non–invention); A63B63/00 (Core/Invention); A63B71/02 (Core/Non–invention)

International class (IPC 1–7)**:** A63B63/00 A63B67/00 A63B69/00

CPC: A63B63/00 A63B2071/024

European class: A63B63/00 K63B71/02S1P

Classification Explorer

Abstract:
Source: DE29914789U1 (Claim 1) 1. Spiel– und Sportgeraet fuer den Ballsport mit einem im Boden versenkbaren Stift, dadurch gekennzeichnet, dass sich an der Oberseite des Bodenankers (3) eine Huelse (6) befindet, die zum Einstecken und Halten von Halbreifen (1) dient und dass sich am unteren Rand der Huelse (6) ein Schaft (4) oder ein Stab (8), zum Fixieren im Untergrund (7) befindet.

Machine translation: (Claim 1) 1 Play and Sportgeraet for the ball games with a ground–retractable pen, wherein said at the top of the ground anchor (3) a barrel (6) is that used for insertion and holding of semi tires (1) and that at the lower edge of the sleeve (6) a shaft (4) or a rod (8), for fixing in the ground (7) is located.

0) WO0020084A1 – OUTDOOR TOYS SPIELGERAETE FUER DEN AUSSENBEREI...

100) Family number: 13987832 (WO0020084A1) © PatBase

Title: OUTDOOR TOYS

Priority: DE19981046251 19981007 WO1999EP07207 19990929

Family:

Publication number	Publication date	Application number	Application date
DE19846251 A1	20000413	DE19981046251	19981007
EP1123149 A1	20010816	EP19990970032	19990929
WO0020084 A1	20000413	WO1999EP07207	19990929

Probable Assignee: BASF AG

Assignee(s):(std)**:** GOERRISSEN HEINER ; GUENTHERBERG NORBERT ; MC KEE GRAHAM EDMUND ; NIESSNER NORBERT ; WEBER MARTIN ; BASF AG

Assignee(s): BASF AKTIENGESELLSCHAFT

Inventor(s):(std)**:** GOERRISSEN HEINER ; GUENTHERBERG NORBERT ; MAC KEE GRAHAM EDMUND ; MC KEE GRAHAM EDMUND ; NIESNER NORBERT ; NIESSNER NORBERT ; WEBER MARTIN

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT JP KR LI LU MC MX NL PT SE US

International class (IPC 8–9): C08F265/04 C08F285/00 C08L51/00 C08L51/08 C08L55/02 C08L69/00 (Advanced/Invention); A63H9/00 (Advanced/Non–invention)

International class (IPC 1–7): A63B9/00 A63H17/00 A63H3/52 B29C45/00 C08J5/00 C08J5/18 C08L101/00 C08L23/00 C08L25/00 C08L33/00 C08L51/00 C08L51/04 C08L51/08 C08L69/00 C08L81/04

CPC: A63H9/00 C08F265/04 C08F285/00 C08L51/003 C08L51/08 C08L55/02 C08L69/00

European class: C08F265/04 C08F285/00 C08L51/00B C08L51/08 C08L55/02 C08L69/00 K63H9/00 M08L51/00B M08L51/08

Classification Explorer

Cited documents: WO9804624 A1, WO9804449 A1, WO9804422 A1, WO9804329 A1, EP0711807 A1, EP0592953 A1,

Forward Citations: EP1273601,

Abstract:
The invention relates to the use of a thermoplastic moulding material that is different from ABS, containing the following constituents in relation to the sum of the amounts of A, B, C and optionally D, corresponding to a total of 100 percent weight percent: a) 1–48 weight percent of at least one single phase or multiphase particle–shaped emulsion polymer with a glass transition temperature of less than 0 DEG, at least one phase and with an average particle size of 50–1000 nm, preferably 50–800 nm, as constituent A; b) 1–48 weight percent of at least one amorphous or partially crystalline polymer as constituent B; c) 51–98 weight percent polycarbonates as component C; and d) 0–47 weight percent usual additives such as fibre–shaped or particle–shaped filling materials or mixtures thereof as constituent D, whereby said moulding material is used to produce toys for outdoor use, housings therefor or parts thereof.

0) WO0115784A1 – MEASURING DEVICE FOR DETECTING THE DISTANCES FR...

101) Family number: 15299286 (WO0115784A1) © PatBase

Title: MEASURING DEVICE FOR DETECTING THE DISTANCES FROM THE JACK TO THE BOWLS IN BOWLS GAMES LIKE "JEU DE PETANQUE" OR SIMILARLY DESIGNED GAMES

Priority: WO1999DE02702 19990828

Family:

Publication number	Publication date	Application number	Application date
WO0115784 A1	20010308	WO1999DE02702	19990828

Probable Assignee: GERICK ROBERT

Assignee(s):(std)**:** GERICK ROBERT

Inventor(s):(std)**:** GERICK ROBERT

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

International class (IPC 1–7)**:** A63B67/06 G01B3/10

CPC: A63B67/068 G01B3/10 G01B3/1041 G01B3/1061

European class: A63B67/06B2 G01B3/10 S01B3/10C S01B3/10R

Classification Explorer

Cited documents: US2480725, GB253421, GB2331369, FR2662614, FR2502966, DE727752,

Abstract:
The invention relates to a device for detecting the distances from the bowls to the jack in bowls games like jeu de petanque or similarly designed games. Said device essentially consists of two components. The device is fixed over the jack without touching said jack. The distance to a bowl is detected by extending a flat stripe from the upper component. The distance to another bowl is subsequently detected by turning the upper component of the device with the extended flat stripe and by means of direct comparison, whereby the fixed position of the tool is not changed. It is known that, during the game, the distance of the individual bowls to the jack is decisive for the course and the score of a game. The advantage of the invention is that the distances can be exactly detected by means of a simple measuring method and without touching the bowls or the jack. This is possible regardless of the distance and the number of bowls already played.

0) WO0124806A1 – APPLE TREE BRANCH EXTRACTS FOR DERMATOLOGICAL A...

102) Family number: 23420488 (WO0124806A1) © PatBase

Title: APPLE TREE BRANCH EXTRACTS FOR DERMATOLOGICAL AND COSMETIC USE AND METHOD FOR PREPARING SAME

Priority: FR19990012316 19991001 WO2000FR02700 20000929

Family:

Publication number	Publication date	Application number	Application date
AT236649 E	20030415	AT20000966231T	20000929
CA2386071 AA	20020328	CA20002386071	20000929
DE60002099 D1	20030515	DE20006002099	20000929
EP1218021 A1	20020703	EP20000966231	20000929
EP1218021 B1	20030409	EP20000966231	20000929
FR2799121 A1	20010406	FR19990012316	19991001
FR2799121 B1	20040213	FR19990012316	19991001
WO0124806 A1	20010412	WO2000FR02700	20000929

Probable Assignee: FABRE PIERRE DERMO COSMETIQUE

Assignee(s):(std)**:** ARIES MARIE FRANCOISE ; DUNOUAU CHRISTOPHE ; FABRE BERNARD ; FABRE PIERRE DERMO COSMETIQUE ; TREBOSC MARIE THERESE

Assignee(s): PIERRE FABRE DERMO COSMETIQUE ; PIERRE FABRE DERMO COSMETIQUE BOULOGNE

Inventor(s):(std)**:** ARIES MARIE FRANCOISE ; DUNOUAU CHRISTOPHE ; FABRE BERNARD ; TREBOSC MARIE THERESE

Agent(s): OGILVY RENAULT LLP SENCRL SRL

Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

International class (IPC 8–9)**:** A61K36/00 A61K36/73 A61K8/60 A61K8/97 A61P17/00 A61P3/00 A61Q19/06 (Advanced/Invention); A61K36/00 A61K36/185 A61K8/30 A61K8/96 A61P17/00 A61P3/00 A61Q19/06 (Core/Invention)

International class (IPC 1–7)**:** A61K35/78 A61K7/48 A61P17/00 A61P3/00

CPC: A61K8/602 A61K8/97 A61K36/73 A61Q19/06

European class: A61K35/78 A61K36/73 A61K8/60A A61K8/97 A61Q19/06

Classification Explorer

Cited documents: EP0781544 A2, EP0657169 A1,

Forward Citations: WO13117867, WO13117867, WO13117866, WO13117865, WO0164177, US8475851, US7427418, US7285298, US7041322, US6805873, FR2986709, FR2836336, EP2356977, EP1338270, EP1338270, EP1338270, CN102286037,

Abstract:
The invention concerns dry extracts of apple tree branches obtainable by extraction with a polar solvent from dried and crushed apple tree branches, followed by separation of the liquid phases from the solid phases, and then in producing a concentrate from the resulting products and drying the concentrate. The invention also concerns a method for preparing said extracts and their use in dermatology and cosmetology, in particular for inhibiting cell differentiation between pre−adipocytes and adipocytes and for slimming.

0) US2003068616A – DRUG DISCOVERY ASSAYS BASED ON MICROCOMPETITION...

103) Family number: 29472028 (US2003068616A) © PatBase

Title: DRUG DISCOVERY ASSAYS BASED ON MICROCOMPETITION FOR A LIMITING GABP COMPLEX

Priority: US19990169518P 19991207 US20000183184P 20000217 US20000732360 20001207 US20020219334 20020815 US20020219649 20020815 WO2001US05314 20010216 US20030611217 20030701 US20020223050 20020814

Family:

Publication number	Publication date	Application number	Application date
AU2001243190 AA	20010827	AU20010243190	20010216
AU2001243190 BB	20060713	AU20010243190	20010216
AU200143190 A5	20010827	AU20010043190D	20010216
CA2395473 AA	20020628	CA20012395473	20010216
EP1257263 A2	20021120	EP20010916129	20010216
IL151019 A0	20030212	IL20010151019	20010216
IL151019 A1	20100429	IL20010151019	20010216
JP2003522804 T2	20030729	JP20010559504T	20010216
US2003068616 AA	20030410	US20020223050	20020814
US2003069199 AA	20030410	US20020219334	20020815
US2003092601 AA	20030515	US20000732360	20001207
US2003104358 AA	20030605	US20020219649	20020815
US2005255458 AA	20051117	US20030611217	20030701
WO0160408 A2	20010823	WO2001US05314	20010216
WO0160408 A3	20020829	WO2001US05314	20010216

Probable Assignee: SCI PHARMACEUTICALS INC

Assignee(s):(std)**:** POLANSKY HANAN ; SCI PHARMACEUTICALS INC

Assignee(s): HANAN POLANSKY

Inventor(s):(std)**:** POLANSKY HANAN

Inventor(s): HANAN POLANSKY

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; TORYS LLP; SANFORD TCOLB AND CO; HANAN POLANSKY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A61K31/00 A61K38/00 A61K45/00 A61K45/06 A61P19/02 A61P3/04 A61P35/00 A61P43/00 A61P9/10 C12N5/08 C12Q1/02 C12Q1/68 C12Q1/70 G01N33/15 G01N33/50 G01N33/53 G01N33/68 (Advanced/Invention); A61K45/00 C12N5/08 C12Q1/68 C12Q1/70 G01N33/53 G01N33/68 (Core/Invention)

International class (IPC 1–7): A61K31/00 A61K38/00 A61K39/12 A61K45/00 A61K48/00 A61P19/02 A61P3/04 A61P35/00 A61P43/00 A61P9/10 C12N15/86 C12N5/08 C12Q1/02 C12Q1/68 C12Q1/70 G01N33/15 G01N33/50 G01N33/567

CPC: G01N33/6872 A61K45/06 G01N2333/47 G01N2500/04 G01N2800/52 C12Q1/6897 G01N33/5308

European class: A61K45/06 C12Q1/68P G01N33/53F G01N33/68F S01N333/47 S01N500/04 S01N800/52

US class: 424/186.1 424/186.100S 424/93.2 424/93.200S 435/320.1 435/320.100S 435/325 435/325S 435/366 435/366S 435/456 435/456S 435/5 435/5P 435/6 435/6.14 435/6.140S 435/6.16 435/6.160S 435/6S 435/7.21 435/7.210S 514/1 514/1P 514/44 514/44.00RP 514/44R

Classification Explorer

Cited documents: WO9941281 A1, WO9913079 A1, WO9841648 A2, WO9304166 A1, US5527790 A, US2003054386 AA, JP7500728 T2,

Forward Citations: WO15017399, WO13103512, WO11127170, WO11127170, WO10038230, WO09076106, WO09051734, WO09026392, WO07056549, WO07013997, WO05055805, WO05055805, WO05003766, WO05003766, US9701940, US9687590, US9683984, US9678087, US9607023, US9582647, US9494570, US9421304, US9393347, US9336302, US9188581, US9170992, US9149562, US9031870, US8916385, US8788286, US8788283, US8771930, US8765364, US8741555, US8719045, US8685107, US8655915, US8655908, US8655899, US8458121, US8458097, US8452619, US8357089, US8326648, US8224835, US8200509, US8070827, US7981694, US7713960, US7054758, US2011201903, US2011184656, US2011153356, US2011110916, US2010330561, US2010286923, US2010063843, US2010056391, US2010027780, US2009155766, US2009100095, US2009099877, US2009094282, US2009094281, US2009094261, US2009094067, US2009094065, US2009094047, US2009054984, US2009043795, US2009018863, US2009012628, US2009012627, US2008288399, US2008286747, US2008090234, US2007117132, US2007021512, US2005255442, US2005233393, US2005164408, US2005095628, EP1563092,

Abstract:
Source: US2003068616A A recent discovery showed that microcompetition for GABP between a foreign polynucleotide and a cellular GABP regulated gene is a risk factor for some of the major chronic diseases, such as obesity, cancer, atherosclerosis, stroke, osteoarthritis, diabetes, asthma, and other autoimmune diseases. The invention uses this novel discovery to present assays for screening compounds based on their effectiveness in modulating such microcompetition, or the effects of such microcompetition on the cell. The selected compounds can be used in treatment of these chronic diseases. The invention also presents assays for screening compounds that can be used in treatment of chronic diseases resulting from other foreign polynucleotide−type disruptions.

0) ITTO20000392A – BOCCIA METALLICA PER IL GIOCO DELLE BOCCE, CON ...

104) Family number: 15977624 (ITTO20000392A) © PatBase

Title: BOCCIA METALLICA PER IL GIOCO DELLE BOCCE, CON MEZZI ANTI–RIMBALZO.

Priority: IT2000TO00392 20000426

Family:

Publication number	Publication date	Application number	Application date
IT1320315 B1	20031126	IT2000TO00392	20000426
ITTO20000392 A0	20000426	IT2000TO00392	20000426
ITTO20000392 A1	20011026	IT2000TO00392	20000426

Probable Assignee: BOULE D OR DI CHIAPPINO MAURIZ

Assignee(s):(std)**:** BOULE D OR DI CHIAPPINO MAURIZ ; LA BOULE D OR DI CHIAPPINO MAURIZIO

Inventor(s):(std)**:** CHIAPPINO MAURIZIO ; CHIAPPINO VINCENZO

International class (IPC 8–9)**:** A63D (Subclass/Invention)

International class (IPC 1–7)**:** A63D

Classification Explorer

Forward Citations: WO12073264,

0) US2002128264A – METHODS FOR TREATMENT OF CONDITIONS AFFECTED BY...

105) Family number: 28293421 (US2002128264A) © PatBase

Title: Methods for treatment of conditions affected by activity of multidrug transporters

Priority: US20000216616P 20000707 US20010900297 20010706 WO2001US21383 20010706

Family:

Publication number	Publication date	Application number	Application date
AU2001271867 AA	20020121	AU20010271867	20010706
AU200171867 A5	20020121	AU20010071867D	20010706
US2002128264 AA	20020912	US20010900297	20010706
WO0204449 A2	20020117	WO2001US21383	20010706
WO0204449 A3	20020613	WO2001US21383	20010706

Probable Assignee: NEOTHERAPEUTICS INC

Assignee(s):(std)**:** NEOTHERAPEUTICS INC ; TAYLOR EVE M

Inventor(s):(std)**:** TAYLOR EVE M

Inventor(s): EVE M TAYLOR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9)**:** A61K31/337 A61K31/404 A61K31/475 A61K31/496 A61K31/522 A61K31/5377 A61K31/541 A61K31/704 (Advanced/Invention)

International class (IPC 1–7)**:** A61K31/496 A61K31/522 A61K31/5377 A61K31/541 C07D473/00

CPC: A61K31/337 A61K31/404 A61K31/475 A61K31/496 A61K31/522 A61K31/5377 A61K31/541 A61K31/704

European class: A61K31/337 A61K31/404 A61K31/475 A61K31/496 A61K31/522 A61K31/5377 A61K31/541 A61K31/704

US class: 514/228.2 514/228.200P 514/234.5 514/234.500S 514/252.16 514/252.160S 514/256 514/256S 514/263.3 514/263.300S 514/263.35 514/263.350S 514/419 514/419S

Classification Explorer

Cited documents: WO9114434 A1,

Forward Citations: WO07034173, WO07031726, WO05092893, US9533978, US9376398, US9045472, US8969362, US8895570, US8865896, US8765939, US8734818, US8673907, US8598180, US8575180, US8476288, US8436178, US8377456, US8268990, US8138172, US8067413, US8067411, US8063051, US8044056, US8012964, US7795266, US7531670, US6982269, US6861431, US2011172242, US2011136801, US2011028715, US2010305141, US2010298364, US2010280001, US2010240623, US2010130491, US2010099870, US2010093998, US2010087443, US2009264443, US2009209524, US2009192153, US2009156609, US2009143400, US2009118263, US2009099216, US2009082332, US2008300244, US2008269240, US2007208030, US2004265323, US2003073611, US2003022892, JP2010018623, AU2005226359,

Abstract:
Source: US2002128264A One aspect of the present invention is a method of treating a condition or disease associated with the activity of a multidrug transporter protein comprising administering to a mammal with a condition or disease associated with the activity of a multidrug transporter protein an effective quantity of a purine derivative or analogue, a tetrahydroindolone derivative or analogue, or a pyrimidine derivative or analogue. If the compound is a purine derivative, the purine moiety can be guanine or hypoxanthine. A particularly preferred bifunctional purine derivative is N–4–carboxyphenyl–3–(6–oxohydropurin–9–yl) propanamide. Methods according to the present invention can be used to treat cancer, a microbial or parasitic infection, HIV, infection, or a condition associated with inflammation such as asthma or rheumatic disease.

0) WO03011315A1 – COMPOSITION FOR INHIBITING TYROSINE KINASE ACTI...

106) Family number: 27923843 (WO03011315A1) © PatBase

Title: COMPOSITION FOR INHIBITING TYROSINE KINASE ACTIVITY OF SRC PROTEINS

Priority: FR20010010200 20010730

Family:

Publication number	Publication date	Application number	Application date
FR2827773 A1	20030131	FR20010010200	20010730
WO03011315 A1	20030213	WO2002FR02735	20020730

Probable Assignee: INST NECKER

Assignee(s):(std)**:** INST NECKER ; RAHMANI ZOHRA

Assignee(s): INSTITUT NECKER ; NECKER INST

Inventor(s):(std)**:** RAHMANI ZOHRA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A61K38/16 A61K38/17 A61P19/08 A61P19/10 A61P35/00 A61P9/10 C12N15/12 (Advanced/Invention); A61K38/11 (Advanced/Non–invention); A61K38/16 A61K38/17 A61P19/00 A61P35/00 A61P9/00 C12N15/12 (Core/Invention); A61K38/10 (Core/Non–invention)

International class (IPC 1–7): A61K35/64 A61K35/66 A61K35/72 A61K35/74 A61K35/78 A61K38/02 A61K38/16 A61K38/17 A61K48/00 A61P19/08 A61P19/10 A61P35/00 A61P9/10 C07K14/82 C12N15/12

CPC: A61K38/1709 A61K38/00 A61K38/16

European class: A61K38/16 A61K38/17A2 K61K38/11

Classification Explorer

Cited documents: WO9812204,

Abstract:
The invention concerns the use of the APRO4 protein, or an equivalent protein or protein fraction having a proline–rich C–terminal domain, for negatively regulating the Src protein tyrosine kinase activity, and the preparation of pharmaceutical compositions containing such a protein or protein fraction. The invention is particularly useful for preventing and/or treating cancers, in particular colon, pancreatic and breast cancer, osteoporosis and derivative bone diseases, and cerebral and myocardial ischemiae.

0) WO03076026A1 – GAME ELEMENTS HAVING A LUMINOUS DEVICE SPIELEL...

107) Family number: 29068171 (WO03076026A1) © PatBase

Title: GAME ELEMENTS HAVING A LUMINOUS DEVICE

Priority: DE20021011301 20020314 WO2003EP01854 20030224

Family:

Publication number	Publication date	Application number	Application date
AU2003223947 AA	20030922	AU20030223947	20030224
DE10211301 A1	20031002	DE20021011301	20020314
WO03076026 A1	20030918	WO2003EP01854	20030224

Probable Assignee: HEINEMACK GMBH

Assignee(s):(std)**:** HEINEMACK GMBH ; MACK MICHAEL

Inventor(s):(std)**:** MICHAEL MACK ; MACK MICHAEL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A63B71/04 A63F3/02 (Advanced/Invention)

International class (IPC 1–7): A63B43/06 A63B67/00 A63F3/00

CPC: A63B71/04 A63B2207/00 A63F3/00697 A63F2003/00646

European class: A63B71/04 A63F3/00P K63B207/00 K63F3/00E1

Classification Explorer

Cited documents: WO8901810 A1, WO0048691 A2, US5595388 A, US5462281 A, US4913437 A, US4607850 A, US3984109 A, DE8004737 U, DE7424344 U, DE4100951 A1, DE29909353 U1, DE29614224 U1, DE29604124 U1, DE19834607 A1,

Forward Citations: DE102014118148,

Abstract:
The invention relates to game elements for entertainment, freetime or competitions, especially for a ball game/active game or a board game. Said game elements comprise game accessories (11 – 15) and/or equipment (20 – 22) for players. According to the invention, at least one of the game elements (11 – 15; 20 – 22) is provided with one or more luminous devices (30 – 34).

0) US2004022764A – INHIBITION OF MICROCOMPETITION WITH A FOREIGN P...

108) Family number: 30256420 (US2004022764A) © PatBase

Title: Inhibition of microcompetition with a foreign polynucleotide as treatment of chronic disease

Priority: US20020209026 20020731 US20020211295 20020801 WO2003US24844 20030730

Family:

Publication number	Publication date	Application number	Application date
AU2003265386 AA	20040216	AU20030265386	20030730
AU2003265386 AH	20040216	AU20030265386	20030730
CA2518732 AA	20050912	CA20032518732	20030730
EP1563092 A2	20050817	EP20030772197	20030730
EP1563092 A4	20090506	EP20030772197	20030730
US2004022764 AA	20040205	US20020209026	20020731
US2004023207 AA	20040205	US20020211295	20020801
US7381526 BB	20080603	US20020211295	20020801
WO04011626 A2	20040205	WO2003US24844	20030730
WO04011626 A3	20040729	WO2003US24844	20030730

Probable Assignee: POLANSKY HANAN

Assignee(s):(std)**:** POLANSKY HANAN

Inventor(s):(std)**:** POLANSKY HANAN

Inventor(s): HANAN POLANSKY

Agent(s): TORYS LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9)**:** A01N43/04 A61K31/00 A61K48/00 C07H21/02 C07H21/04 C12N15/85 C12N15/86 C12Q1/68 C12Q1/70 (Advanced/Invention); C12N (Subclass/Invention)

International class (IPC 1–7)**:** A01N43/04 A61K48/00 C07H21/02 C07H21/04 C12N15/85 C12N15/86 C12Q1/68 C12Q1/70

CPC: A61K31/00 C12Q1/6897 A61K48/005

European class: A61K31/00 A61K48/00D C12Q1/68P

US class: 424/93.2 424/93.200P 435/455 435/455S 435/456 435/456S 435/5 435/5P 435/6 435/6.14 435/6.140S 435/6.16 435/6.160S 514/44.00RS 514/44R 536/23.1 536/24.3

Classification Explorer

Cited documents: WO9714812 A2, WO0160408 A2, US6310197 BA, US6210875 BA, US6174868 BA, US6117638 A, US6060310 A, US6045831 A, US5824475 A, US5639613 A, US5601975 A,

Forward Citations: US9725771, US9689037, US9677120, US9670529, US9598724, US9593374, US9534251, US9512465, US9487836, US9449802, US9447462, US9416424, US9340830, US9194877, US9182398, US9165740, US9150934, US9149473, US9127321, US9103829, US9074260, US9027730, US9023655, US8987660, US8962251, US8956821, US8950604, US8921047, US8871471, US8859753, US8822156, US8815513, US8802372, US8796617, US8674080, US8628928, US8609430, US8563250, US8557974, US8557524, US8551738, US8551708, US8550694, US8546082, US8541570, US8534447, US8512954, US8476415, US8407010, US8394945, US8380442, US8362228, US8298760, US8288523, US8268565, US8265878, US8252599, US8242254, US8214154, US8187814, US8182992, US8173957, US8163895, US8158936, US8158354, US8148163, US8119336, US8097416, US8097414, US8084207, US8073627, US8071309, US8057993, US8046171, US8026084, US8017743, US8017358, US8017337, US8017322, US8013142, US7964343, US7956175, US7838230, US7811753, US7781162, US7741036, US7718354, US7714275, US7666592, US7666588, US2016333396, US2016090632, US2015353992, US2015344948, US2015315634, US2015315566, US2015275294, US2015252407, US2015197786, US2015140554,

US2015004609, US2014154694, US2014106362, US2014057265, US2014051068, US2012270214, US2012264135, US2012225429, US2012208706, US2011313143, US2011256535, US2011238316, US2011212451, US2011172925, US2011159548, US2011151466, US2011118151, US2011111399, US2011104684, US2011091882, US2011065907, US2011045542, US2010311063, US2010261186, US2010258742, US2010219336, US2010204266, US2010184187, US2010184035, US2010159452, US2010145626, US2010136515, US2010127165, US2010075430, US2010075322, US2010070194, US2010068718, US2010047800, US2010035239, US2010035232, US2010035227, US2010015604, US2010003680, US2009258353, US2009182511, US2009148837, US2009148836, US2009125245, US2009081663, US2009042205, US2009042197, US2008311558, US2008161197, US2008160512, US2008138808, US2008026388, US2008014582, US2007243544, US2007238116, US2007224614, US2007218489, US2007218467, US2006286572, US2006275788, US2006240412, US2006205040, US2006121520, US2005260609, US2005164215, US2005130196, US2004219517, US2004209260, US2004161770,

Abstract:
Source: US2004022764A Microcompetition between a foreign polynucleotide and a cellular polynucleotide is a risk factor associated with chronic disease. The invention uses this novel discovery to present methods for the treatment of chronic disease. The methods are based on modifying the microcompetition between a polynucleotide natural to a subject suffering from a chronic disease and a polynucleotide foreign to the subject. Specifically, the treatment may modify the cellular copy number of the foreign polynucleotide, change the rate of complex formation between the microcompeted cellular transcription factor and either the foreign polynucleotide or the cellular polynucleotide, vary the expression of a gene susceptible to such microcompetition, or manipulate the activity of a gene product of a gene susceptible to microcompetition with a foreign polynucleotide. The invention also presents methods for the treatment of chronic disease resulting from other foreign polynucleotide−type disruptions.

0) US2004023206A – METHODS FOR CHRONIC DISEASE DIAGNOSIS BASED ON ...

109) Family number: 30256419 (US2004023206A) © PatBase

Title: METHODS FOR CHRONIC DISEASE DIAGNOSIS BASED ON MICROCOMPETITION WITH A FOREIGN POLYNUCLEOTIDE

Priority: US20020207421 20020729

Family:

Publication number	Publication date	Application number	Application date
US2004023206 AA	20040205	US20020207421	20020729

Probable Assignee: POLANSKY HANAN

Assignee(s): POLANSKY HANAN

Inventor(s):(std)**:** POLANSKY HANAN

International class (IPC 8–9): C12Q1/68 (Advanced/Invention); C12Q1/68 (Core/Invention)

International class (IPC 1–7): C12Q1/68 C12Q1/70

CPC: C12Q1/6809 C12Q1/6813 C12Q1/6897

European class: C12Q1/68A6 C12Q1/68P M12Q1/68B

US class: 435/5 435/5P 435/6 435/6.14 435/6.140S 435/6.16 435/6.160S 435/6S

Classification Explorer

Cited documents: US6060310 A, US5552269 A, US2001051344 AA,

Forward Citations: WO12034013, WO12034013, WO05106014, US9273347, JP5871933, JP2013543376,

Abstract:
Source: US2004023206A Microcompetition between a foreign polynucleotide and a cellular polynucleotide is a risk factor associated with chronic disease. The invention uses this novel discovery to present assays for the diagnosis of chronic disease. The assays are based on measuring the cellular copy number of the foreign polynucleotide, measuring the rate of complex formation between the microcompeted cellular transcription factor and either the foreign polynucleotide or the cellular polynucleotide, identifying modified expression of a gene susceptible to microcompetition with a foreign polynucleotide, or identifying modified activity of a gene product of a gene susceptible to microcompetition with a foreign polynucleotide. The invention also presents other foreign polynucleotide–type assays

0) KR20050072609A – ASSISTING GOODS FOR BOCCIA

110) Family number: 33763022 (KR20050072609A) © PatBase

Title: ASSISTING GOODS FOR BOCCIA

Priority: KR20040000356U 20040107 KR20040000964 20040107

Family:

Publication number	Publication date	Application number	Application date
KR100518774 B1	20051005	KR20040000964	20040107
KR200345844 Y1	20040325	KR20040000356U	20040107
KR20050072609 A	20050712	KR20040000964	20040107

Probable Assignee: KIM YONG KWAN

Assignee(s):(std)**:** KIM YONG KWAN

Assignee(s): GIMYONGGWAN

Inventor(s):(std)**:** KIM YONG KWAN

International class (IPC 8–9)**:** A63D3/02 (Advanced/Invention); A63D3/02 (Advanced/Non–invention); A63D3/00 (Core/Invention)

International class (IPC 1–7)**:** A63D3/02

CPC: A63D3/02

Classification Explorer

Forward Citations: KR101342861, KR101267778,

Abstract:
Source: KR100518774B This invention has cerebral palsy impaired due to the game boy game, the teeth auxillary drain pan to be used for the meeting and to be treated by swivel to ease to a boy about the secondary equipment for your teeth, this invention are Tahoma–part pedestal and ball tooth for auxillary drain, remove the upper and lower bracket bracket above the upper and lower foot to configure depends on the bearing rotated, combined to the upper part of the bracket on the upper side and the stone, combined with the aforementioned ball in the middle of the lower part of the Department combine sans–serif doljo combines stone and above by configuring the Pan presented a stone combined with Joe combined into the nuts and bolts of ethnic cleansing in Darfur, and part of the aforementioned ball–end, two–stage slopes Tahoma configuration, each end is configured differently, the angle of the vertical, it's easy to row and the left and right we have met and could not move his body at will, even persons with disabilities to facilitate easy up–down and left–right meeting to the drain for aid can be To each end of the ball, part 2–stage slopes Tahoma to Arial, the ball bouncing ball rolling wealth prevents stray outside of the effective useful invention. Keywords boy teeth, auxillary district

0) ITTO20020885A – BOCCIA METALLICA PER IL GIOCO DELLE BOCCE, CON ...

111) Family number: 48460085 (ITTO20020885A) © PatBase

Title: BOCCIA METALLICA PER IL GIOCO DELLE BOCCE, CON MEZZI ANTI–RIMBALZO. METALLIC BOCCIA FOR THE GAME OF THE BOCCE, WITH MEANS ANTI–RIMBALZO. (Machine translation)

Priority: IT2002TO00885 20021011

Family:

Publication number	Publication date	Application number	Application date
ITTO20020885 A1	20040412	IT2002TO00885	20021011

Probable Assignee: BOULE D OR DI CHIAPPINO MAURIZIO

Assignee(s):(std)**:** BOULE D OR DI CHIAPPINO MAURIZIO

Assignee(s): LA BOULE D OR DI CHIAPPINO MAURIZIO

Inventor(s):(std)**:** CHIAPPINO MAURIZIO

International class (IPC 8–9): A63D1/00 (Advanced/Invention)

Classification Explorer

0) US2006167021A – INHIBITION OF SRC FOR TREATMENT OF REPERFUSION ...

112) Family number: 30497339 (US2006167021A) © PatBase

Title: INHIBITION OF SRC FOR TREATMENT OF REPERFUSION INJURY RELATED TO REVASCULARIZATION

Priority: US20020416334P 20021004 US20030530038 20031003 US20050530038 20050401 WO2003US31430 20031003

Family:

Publication number	Publication date	Application number	Application date
AU2003279795 AA	20040504	AU20030279795	20031003
AU2003279795 AH	20040504	AU20030279795	20031003
CA2500368 AA	20050329	CA20032500368	20031003
US2006167021 AA	20060727	US20030530038	20031003
WO04032709 A2	20040422	WO2003US31430	20031003
WO04032709 A3	20041007	WO2003US31430	20031003

Probable Assignee: STEWARD RESEARCH AND SPECIALTY PROJECTS CORP

Assignee(s):(std): CARITAS ST ELIZABETHS BOSTON ; LORSORDO DOUGLAS W ; LOSORDO DOUGLAS W ; CARITAS ST ELIZABETH S MEDICAL ; CARITAS ST ELISABETH S MEDICAL

Assignee(s): CARITAS ST ELISABETH S MEDICAL CENTER OF BOSTON INC ; CARITAS ST ELIZABETH S MEDICAL CENTER OF ; CARITAS ST ELIZABETH S MEDICAL CENTER OF BOSTON I ; CARITAS ST ELIZABETH S MEDICAL CENTER OF BOSTON IN ; CARITAS ST ELIZABETH S MEDICAL CENTER OF BOSTON INC ; CARITAS STELISABETH S MEDICAL CENTER OF BOSTON IN ; STEWARD ST ELIZABETH'S MEDICAL CENTER OF BOSTON IN ; CARITAS ST ELIZABETH'S MEDICAL CENTER OF BOSTON IN ; CARITAS STELISABETH S MEDICAL CENTER OF BOSTON INC ; STEWARD RESEARCH AND SPECIALTY PROJECTS CORP ; STEWARD ST ELIZABETH S MEDICAL CENTER OF BOSTON IN ; CARITAS ST ELIZABETH'S MEDICAL CENTER OF BOSTON INC ; STEWARD ST ELIZABETH S MEDICAL CENTER OF BOSTON INC ; STEWARD ST ELIZABETH'S MEDICAL CENTER OF BOSTON INC

Inventor(s):(std): LORSORDO DOUGLAS W ; LOSORDO DOUGLAS W

Inventor(s): LOSORDO DOUGLAS ; DOUGLAS W LORSORDO ; DOUGLAS W LOSORDO

Agent(s): BORDEN LADNER GERVAIS LLP; EDWARDS AND ANGELL LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K31/47 A61K31/519 (Advanced/Invention); A61B (Subclass/Invention)

International class (IPC 1–7): A61B A61K31/47

CPC: A61K31/47 A61K31/519

European class: A61K31/47 A61K31/519

US class: 514/262.1 514/262.100P 514/313 514/313S

Classification Explorer

Cited documents: US7125875 BB, US6576644 BB, US5914242 A, US5593997 A, US4182876 A, US2004214836 AA, US2003212276 AA, US2003212275 AA, US2003165461 AA, US2003092655 AA, US2001016193 AA,

Forward Citations: WO06010628, WO04075898, US8604042, US8481536, US8372971, US8138199, US8133900, US7825246, US7691858, US7528143, US7456176, US7208493, US2006258686, US2004214836, US2003130209, EP2027853,

Abstract:
Source: US2006167021A The present invention provides methods for treating, preventing, or reducing

reperfusion injury or post−pump syndrome by administering an inhibitor of vascular endothelial growth factor−mediated vascular permeability.

113) Family number: 30740349 (WO04062563A2) © PatBase

Title: METHODS FOR SCREENING FOR THERAPEUTIC AGENTS THAT ARE USEFUL IN THE TREATMENT OF OXYTOCIN AND VASOPRESSIN–RELATED DISORDERS

Priority: US20030440431P 20030116

Family:

Publication number	Publication date	Application number	Application date
WO04062563 A2	20040729	WO2004IB00109	20040116
WO04062563 A3	20041229	WO2004IB00109	20040116

Probable Assignee: UNIV LAUSANNE

Assignee(s):(std)**:** HUBER DANIEL ; STOOP RON ; UNIV LAUSANNE

Assignee(s): UNIVERSITE DE LAUSANNE ; LAUSANNE UNIV ; DE LAUSANNE UNIV

Inventor(s):(std)**:** HUBER DANIEL ; STOOP RON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): G01N33/50 G01N33/68 G01N33/94 (Advanced/Invention); G01N33/50 G01N33/68 G01N33/94 (Core/Invention)

International class (IPC 1–7): G01N33/50

CPC: G01N33/5008 G01N33/502 G01N33/5058 G01N33/5088 G01N33/5091 G01N33/6896 G01N33/9406 G01N33/9426 G01N2500/00

European class: G01N33/50D2 G01N33/50D2E G01N33/50D2F4 G01N33/50D2J4 G01N33/50D4 G01N33/68V2 G01N33/94B G01N33/94B6 S01N500/00

Classification Explorer

Cited documents: WO0025781 A1,

Forward Citations: WO17106814, US9629894, US8501691, US8258096, US8252745, US8202838, US8198240, JP6113798, JP2016028244,

Abstract:
The invention provides a method of screening, in an in vitro system, of an agent useful in the treatment of oxytocin or vasopressin related disorders or conditions wherein said agent is able to modulate the inhibition by oxytocin of a vasopressin–activated neuron in the central amygdala after oxytocin sensitive neurons activation from the central amygdala, said method comprising the steps of: a) co–contacting an oxytocin agonist–or antagonist– and said agent with oxytocin sensitive neurons from the central amygdala, b) detecting whether said agent activates or inhibits vasopressin sensitive neurons of the central amygdala.

114) Family number: 64272773 (US2004219515A) © PatBase

Title: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL HIV REGULATORY GENES AND USES THEREOF

Priority:
US20020303778 20021126 US20020310188 20021205 US20030441241P 20030117
US20030411230P 20030117 US20020310914 20021206 US20030441230P 20030116
US20030604944 20030828 US20030604945 20030827 US20030604943 20030828
US20030604942 20030827 US20030457788P 20030327 US20030604984 20030829
US20030605838 20031030 US20030604942 20030828 US20030605840 20031030

Family:

Publication number	Publication date	Application number	Application date
US2004219515 AA	20041104	US20030604944	20030828
US7217807 BB	20070515	US20030604944	20030828

Probable Assignee: ROSETTA GEMONICS LTD

Assignee(s):(std)**:** ROSETTA GENOMICS ; ROSETTA GENOMICS LTD

Assignee(s): ROSETTA GEMONICS LTD

Inventor(s):(std)**:** BENTWICH ITZHAK

Agent(s): POLSINELLI SHALTON WELTE SUELTHAUS PC; TEDDY C

International class (IPC 8–9)**:** C07H21/00 C07H21/04 C12N15/11 C12N15/113 C12N7/00 C12Q1/68 C12Q1/70 (Advanced/Invention) ; G06F19/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** C07H21/04 C12Q1/70

CPC: C12N15/1132 C07K14/005 C12N15/111 C12N15/1131 C12N2310/14 C12N2320/11 C12N2330/10 C12N2740/16022

US class: 435/235.1 435/5 435/6 536/23.1 536/23.72 536/24.3 702/20

Classification Explorer

Cited documents: WO04009779 A2, WO03074654 A2, WO03070918 A2, WO03070903 A2, WO03070884 A2, WO03029459 A2, WO0244321 A2, WO02094165 A1, WO0175164 A2, WO0168836 A2, US6989442 BB, US6753139 BA, US6720138 BB, US6573099 BB, US2005059011 AA, US2004268441 AA, US2004106566 AA, US2004086884 AA, US2003228691 AA, US2003175950 AA, US2003108923 AA, US2002086356 AA,

Forward Citations: WO15193651, US9714422, US9476048, US9410153, US9409941, US9399658, US9382539, US9382318, US9381208, US9334497, US9212360, US9200290, US9145556, US8951730, US8937173, US8816060, US8754203, US8697859, US8685946, US8598143, US8399222, US8383807, US8318926, US8247543, US8114985, US8088914, US8088902, US7943756, US7772389, US7585969, US2011165669, US2010286385, US2010129822, US2009275729, US2009083873, US2009043082, US2005227256, US2005222067, US2004191905,

Abstract:
Source: US2004219515A The present invention relates to a group of novel viral RNA regulatory genes, here identified as "viral genomic address messenger genes" or "VGAM genes", and as "genomic record" or "GR" genes. VGAM genes selectively inhibit translation of known host target genes, and are believed to represent a novel pervasive viral attack mechanism. GR genes encode an operon–like cluster of VGAM genes. VGAM and viral GR genes may therefore be useful in diagnosing, preventing and treating viral disease. Several nucleic acid molecules are provided respectively encoding several VGAM genes, as are vectors and probes, both comprising the nucleic acid molecules, and methods and systems for detecting VGAM genes, and for counteracting their activity.

0) US2005003341A – DRUG DISCOVERY ASSAYS BASED ON THE BIOLOGY OF A...

115) Family number: 31452963 (US2005003341A) © PatBase

Title: DRUG DISCOVERY ASSAYS BASED ON THE BIOLOGY OF ATHEROSCLEROSIS, CANCER, AND ALOPECIA

Priority: US20030611048 20030701

Family:

Publication number	Publication date	Application number	Application date
US2005003341 AA	20050106	US20030611048	20030701

Probable Assignee: POLANSKY HANAN

Assignee(s):(std)**:** POLANSKY HANAN

Inventor(s):(std)**:** POLANSKY HANAN

Agent(s): HANAN POLANSKY

International class (IPC 8–9)**:** C12Q1/68 (Advanced/Invention); C12Q1/68 (Core/Invention)

International class (IPC 1–7)**:** C12N15/86 C12Q1/68 C12Q1/70

CPC: C12Q1/6886 C12Q2600/136 C12Q2600/158

European class: C12Q1/68M6B

US class: 435/456 435/456S 435/5 435/5P 435/6 435/6.14 435/6.140S

Classification Explorer

Cited documents: US5994319 A, US5693759 A, US5618693 A,

Forward Citations: WO07117375, US9670553, US8460889, US8420337, US8332158, US8150629, US7972802, US2013023441, US2011212477, US2007225779, US2007212335, US2007106479, US2007099242, US2006094035,

Abstract:
Source: US2005003341A Using the recently discovered biology of atherosclerosis, cancer, and alopecia, the invention presents new methods for evaluating the effectiveness of a compound for use in modulating the progression of the disease, for determining whether a subject has a disease, or has an increased risk of developing clinical symptoms associated with such disease, and for treating atherosclerosis, cancer, and alopecia.

0) DE202004009341U1 – BALL CASE FOR E.G. BOWLS, CLOSED WITH BELT OR S...

116) Family number: 31748869 (DE202004009341U1) © PatBase

Title: BALL CASE FOR E.G. BOWLS, CLOSED WITH BELT OR STRAP ENSURING PARTS OF BALLS ARE VISIBLE AT BOTH ENDS

Priority: DE200420009341U 20040612

Family:

Publication number	Publication date	Application number	Application date
DE202004009341 U1	20050217	DE200420009341U	20040612

Probable Assignee: JENETZKY JOERG

Assignee(s):(std)**:** JENETZKY JOERG

International class (IPC 8–9): A63B71/00 (Advanced/Invention); A63B71/00 (Core/Invention)

International class (IPC 1–7): A63B71/00

CPC: A63B71/00

Classification Explorer

Abstract:
The case is closed using a belt, strap or buckle extending around the case in place of a cover at each end, which ensure that parts of the balls remain visible. Windows can also be provided in the case. The balls are visible at the ends of the case. The case is made from a leather or paper–like material or from metal or plastic.

0) US2006216738A – SNPS IN 5' REGULATORY REGION OF MDR1 GENE

117) Family number: 31777683 (US2006216738A) © PatBase

Title: SNPS IN 5' REGULATORY REGION OF MDR1 GENE

Priority: JP20030332584 20030924 JP20040181914 20040618 WO2004JP13839 20040922

Family:

Publication number	Publication date	Application number	Application date
EP1669447 A1	20060614	EP20040788022	20040922
EP1669447 A4	20070314	EP20040788022	20040922
JP2005028645 A1	20071115	JP20050514109T	20040922
US2006216738 AA	20060928	US20060388647	20060324
WO05028645 A1	20050331	WO2004JP13839	20040922

Probable Assignee: KYUSHU TLO CO LTD

Assignee(s):(std)**:** KUWANO MICHIHIKO ; KYUSHU TLO CO LTD ; KYUSHU TLO COMPANY LTD ; WADA MORIMASA

Assignee(s): KYUSHU TLO COMPANY LIMITED

Inventor(s):(std)**:** KUWANO MICHIHIKO ; WADA MORIMASA

Agent(s): HIROTA MASANORI; FROMMER LAWRENCE AND HAUG

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K48/00 A61P1/04 A61P35/00 A61P43/00 C12N15/09 C12N15/12 C12Q1/68 (Advanced/Invention) ; C12N15/09 C12N15/12 C12Q1/68 (Core/Invention)

International class (IPC 1–7): C12N15/09 C12N15/12 C12Q1/68

CPC: C12Q2600/156 C12Q2600/158 C12Q2600/172 C12Q1/6883 C12Q1/6876

European class: C12Q1/68M C12Q1/68M6

US class: 435/6 435/6.11 435/6.110P 435/6.14 435/6.140S

Classification Explorer

Cited documents: WO04042081 A1, WO03013535 A2,

Forward Citations: WO11146632, US9695477, US9677118, US9639657, US9499870, US9430611, US9424392, US9334541, US9228234, US9163282, US8949036, US8835115, US8825412, US8682592, US8532930, US8515679, US2008243398, US2007184467, US2007178501, US2007027636,

Abstract:
Source: US2006216738A The present invention relates to a method for determining haplotypes or diplotypes of a MDR1 gene targeting the 5' upstream regulatory region of MDR1 gene encoding P–gp, an ABC transporter which is may be expressed in the apical membrane side and may transport a wide range of substrates. By detecting a polymorphism at –934 and/or –692, in addition to a position selected from –2903, –2410, –2352, –1910, –1717, and –1325 in a nucleotide sequence of the 5' upstream regulatory region of MDR1 gene, haplotypes or diplotypes of the 5'upstream regulatory region of MDR1 gene may be determinable. The above positions to detect polymorphism are indicated in relation to a first base of ATG start codon which is set to +1. ATG start codon is located in exon 2, and the transcription start site corresponds to –699 in this numbering system.

0) DE202005004497U1 – SURFACE FOR PLAYING BOWLS COMPRISES A PLAYING S...

118) Family number: 32023446 (DE202005004497U1) © PatBase

Title: SURFACE FOR PLAYING BOWLS COMPRISES A PLAYING SURFACE FORMED BY ADJACENTLY ARRANGED PLANAR CONCRETE SLABS THAT ARE COVERED WITH A GRANULAR MATERIAL

Priority: DE200520004497U 20050319

Family:

Publication number	Publication date	Application number	Application date
DE202005004497 U1	20050525	DE200520004497U	20050319

Probable Assignee: GEIERHOS ALFRED

Assignee(s):(std)**:** GEIERHOS ALFRED

International class (IPC 8–9): A63D1/04 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7): A63D1/00

CPC: A63D1/04

European class: A63D1/04

Classification Explorer

Abstract:
Source: DE202005004497U1 Bowls surface comprises a playing surface formed by several adjacently arranged planar concrete slabs (1) that are covered with a granular material. Preferred Features: The granular material is silica sand or shell–limestone. The granular material is rolled onto the concrete slabs under pressure. The surface has an edge made of wooden boards (4).

0) ITTO20030202U – ELEMENTO DI RIEMPIMENTO DI UNA BOCCIA PER IL GI...

119) Family number: 48494709 (ITTO20030202U) © PatBase

Title:	ELEMENTO DI RIEMPIMENTO DI UNA BOCCIA PER IL GIUOCO DELLE BOCCE, E BOCCIA CONTENENTE ELEMENTI DI RIEMPIMENTO
Priority:	IT2003TO00202U 20031224

Family:

Publication number	Publication date	Application number	Application date
ITTO20030202 U1	20050625	IT2003TO00202U	20031224

Probable Assignee:	ORECCHIA PIETRO
Assignee(s):(std)**:**	ORECCHIA PIETRO
Inventor(s):(std)**:**	ORECCHIA PIETRO
International class (IPC 8–9):	A63D (Subclass/Invention)

Classification Explorer

0) US2007254837A – TREATMENT FOR NECROTIZING ENTEROCOLITIS

120) Family number: 32026679 (US2007254837A) © PatBase

Title: TREATMENT FOR NECROTIZING ENTEROCOLITIS

Priority: US20030529574P 20031216 US20040596565 20041216 WO2004CA02142 20041216

Family:

Publication number	Publication date	Application number	Application date
AU2004298299 AA	20050630	AU20040298299	20041216
CA2548773 AA	20060608	CA20042548773	20041216
EP1706135 A1	20061004	EP20040802317	20041216
JP2007513983 T2	20070531	JP20060544188T	20041216
KR20070014114 A	20070131	KR20067014074	20060713
US2007254837 AA	20071101	US20040596565	20041216
WO05058345 A1	20050630	WO2004CA02142	20041216

Probable Assignee: UNIV TECHNOLOGIES INT

Assignee(s):(std)**:** BURET ANDRE GERALD ; HARDIN JAMES A ; UNIV TECHNOLOGIES INT ; UNIVERSITY TECHNOLOGIES INTERNATIONAL INC

Assignee(s): TECHNOLOGIES INT INC UNIV

Inventor(s):(std)**:** ANDRE GERALD BURET ; BURET ANDRE G ; BURET ANDRE GERALD ; HARDIN JAMES A ; JAMES A HARDIN

Inventor(s): HARDIN JAMES ; BURET ANDRE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; TORYS LLP; IWATANI RYO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K31/04 A61K31/185 A61K31/195 A61K31/198 A61K31/295 A61K31/34 A61K38/18 A61K38/22 A61K45/00 A61K9/08 A61K9/14 A61K9/19 A61K9/20 A61K9/48 A61P1/00 A61P1/18 A61P43/00 (Advanced/Invention); A61K31/04 A61K31/185 A61K31/198 A61P1/18 C07K14/485 (Advanced/Non–invention); C07K14/435 (Core/Non–invention)

International class (IPC 1–7): A61K31/04 A61K31/198 A61K38/18 A61P1/00

CPC: A61K31/04 A61K31/195 A61K31/198 A61K31/295 A61K31/34 A61K38/1808 A61K31/185

European class: A61K31/04 A61K31/195 A61K31/198 A61K31/295 A61K31/34 A61K38/18A

US class: 514/12 514/470 514/470S 514/502 514/502S 514/562 514/562S 514/565 514/565S 514/645 514/645S 514/9.4 514/9.400S 514/9.6 514/9.600P

Classification Explorer

Cited documents: WO02053167 A2, WO0130340 A1,

Forward Citations: WO13138431, WO10042821, US9376724, US9205130, US2014031255, US2013244935, US2011275566, JP2013519649,

Abstract:
Source: US2007254837A The invention provides compositions and methods for the treatment of necrotizing enterocolitis (NEC). A treatment of epidermal growth factor (EGF) receptor agonist and *L –arginine*, a bioequivalent thereof, or NO–donor showed efficacy against NEC. The invention also provides kits, unit doses and uses comprising epidermal growth factor (EGF) receptor agonist and *L –arginine*, a bioequivalent thereof, or NO–donor for the treatment of NEC.

0) US2005201998A – NOVEL MULTIPEPTIDE REGIMEN FOR THE TREATMENT OF...

121) Family number: 32246604 (US2005201998A) © PatBase

Title: NOVEL MULTIPEPTIDE REGIMEN FOR THE TREATMENT OF AUTISTIC SPECTRUM, BEHAVIORAL, EMOTIONAL AND VISCERAL INFLAMMATION/AUTOIMMUNE DISORDERS

Priority: US20030518389P 20031106 US20040799941 20040311

Family:

Publication number	Publication date	Application number	Application date
US2005201998 AA	20050915	US20040799941	20040311
US7884076 BB	20110208	US20040799941	20040311
WO05086970 A2	20050922	WO2005US08277	20050311
WO05086970 A3	20051201	WO2005US08277	20050311

Probable Assignee: TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Assignee(s):(std): ANWAR MUHAMMAD ; RUGGIERO DAVID A ; UNIV COLUMBIA ; WELCH MARTHA G

Assignee(s): THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OFNEW YORK ; TRUSTEES OF COLUMBIA UNIV IN CITY OFNEW YORK ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ; TRUSTEES OF COLUMBIA UNIV ; NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Inventor(s):(std): ANWAR MUHAMMAD ; RUGGIERO DAVID A ; WELCH MARTHA G

Inventor(s): WELCH MARTHA ; RUGGIERO DAVID

Agent(s): LESLIE GLADSTONE RESTAINO, BROWN RAYSMAN MILLSTEIN AND STEINER LLP; LESLIE GLADSTONE RESTAINO BROWN RAYSMAN MILLSTEIN AND STEINER LLP; WILMER CUTLER PICKERING HALE AND DORR LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K38/11 A61K38/22 A61K38/54 (Advanced/Invention); A61K38/22 A61K38/43 (Core/Invention)

International class (IPC 1–7): A61K38/22 A61K38/54

CPC: A61K38/11 A61K38/2235

European class: A61K38/11 A61K38/22E A61K38/55

US class: 424/94.2 424/94.200P 514/10.3 514/11.6 514/11.600S 514/12.2 514/12.200S 514/12.8 514/12.800S 514/13.2 514/13.200S 514/15 514/17.5 514/17.500S 514/2

Classification Explorer

Cited documents: US2006105939 AA, DE4229880 A1,

Forward Citations: WO13167743, US9034821, US2014171369, US2010174559,

Abstract:
Source: US2005201998A The present invention provides compositions and methods for preventing and treating gastrointestinal disorders by administering to a subject an effective amount of secretin either alone or in combination with an effective amount of oxytocin. The invention also provides compositions and methods for preventing and treating central nervous system disorders by administering to a subject an effective amount of secretin in combination with an effective amount of oxytocin. The invention further provides compositions and methods for treating and preventing a variety of autoimmune diseases by administering to a subject an effective amount of secretin in combination with an effective amount of oxytocin. Additionally, the invention provides compositions and methods for preventing and treating pain by administering to a subject using a combination of

an effective amount of secretin and an effective amount of oxytocin. The invention also provides kits for use in treating and/or preventing gastrointestinal disorders, central nervous system disorders, autoimmune diseases and pain comprising a combination of secretin and oxytocin.

0) US2005250141A – DIAGNOSTIC ASSAYS INCLUDING MULTIPLEXED LATERAL...

122) Family number: 32394211 (US2005250141A) © PatBase

Title: DIAGNOSTIC ASSAYS INCLUDING MULTIPLEXED LATERAL FLOW IMMUNOASSAYS WITH QUANTUM DOTS

Priority: EP20050811420 20051116 EP20100186244 20051116 US20040557540P 20040330 US20050667744 20051116 US20050706993P 20050810 US20040628318P 20041116 US20040583982P 20040630 US20050094115 20050330 US20050706933P 20050810 US20060463525 20060809 US20090417909 20090403 WO2005GB04402 20051116

Family:

Publication number	Publication date	Application number	Application date
AT494226 E	20110115	AT20050811420T	20051116
DE602005025793 D1	20110217	DE200560025793T	20051116
DE602005039644 D1	20130711	DE200560039644T	20051116
EP1812295 A1	20070801	EP20050811420	20051116
EP1812295 B1	20110105	EP20050811420	20051116
EP2281751 A1	20110209	EP20100186244	20051116
EP2281751 B1	20130515	EP20100186244	20051116
US2005250141 AA	20051110	US20050094115	20050330
US2008032420 AA	20080207	US20060463525	20060809
US2009032137 AA	20090205	US20050667744	20051116
US2010055721 AA	20100304	US20090417909	20090403
WO06054065 A1	20060526	WO2005GB04402	20051116
WO06071247 A2	20060706	WO2005US10834	20050330
WO06071247 A3	20070816	WO2005US10834	20050330

Probable Assignee: CALIFORNIA INST OF TECHNOLOGY

Assignee(s):(std)**:** BURROWS ANTHONY GREGORY ; CALIFORNIA INST OF TECHN ; LAMBERT JAMES L ; FISHER ANITA M ; ELOPAK SYSTEMS ; DUCSAY JOHN PAUL ; LUKASIEWICZ ANTHONY JOHN

Assignee(s): NASA ; ELOPAK SYSTEMS AG ; CALIFORNIA INSTITUTE OF TECHNOLOGY ; CALIFORNIA INST ; CALIFORNIA INST TECHNOLOGY ; CALIFORNIA INST OF TECHNOLOGY

Inventor(s):(std)**:** FISHER ANITA M ; LAMBERT JAMES L ; LUKASIEWICZ ANTHONY ; DUCSAY JOHN ; LUKASIEWICZ ANTHONY JOHN ; DUCSAY JOHN PAUL

Inventor(s): DUCSAY JOHN PAUL SWARTZ CREEK ; LUKASIEWICZ ANTHONY JOHN HOWELL ; LAMBERT JAMES ; FISHER ANITA

Agent(s): VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWAELTEN U RECHTSANWAELTEN MBB; BURROWS ANTHONY GREGORY; GREENLEE WINNER AND SULLIVAN P C; WARN HOFFMANN MILLER AND LALONE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B08B3/04 B32B5/02 B65B1/00 B65B55/02 B67C3/00 C12M1/34 C12Q1/00 C12Q1/04 C12Q1/68 C12Q1/70 G01N15/06 G01N21/76 G01N31/00 G01N33/53 G01N33/533 G01N33/543 G01N33/544 G01N33/551 G01N33/554 G01N33/558 G01N33/566 G01N33/569 G01N33/58 (Advanced/Invention); B08B3/04 B32B5/02 B65B1/00 B65B55/02 B67C3/00 C12M1/34 C12Q1/00 C12Q1/04 C12Q1/68 C12Q1/70 G01N15/06 G01N21/76 G01N31/00 G01N33/53 G01N33/533 G01N33/543 G01N33/544 G01N33/551 G01N33/554 G01N33/558 G01N33/566 G01N33/569 G01N33/58 (Core/Invention)

International class (IPC 1–7): C12M1/34 C12Q1/68 G01N33/554 G01N33/569

CPC: B65B55/027 B82Y5/00 B82Y10/00 B82Y15/00 G01N33/588 G01N33/54373 G01N33/558

European class: B65B55/02D B82Y10/00 B82Y15/00 B82Y5/00 G01N33/543K2 G01N33/558 G01N33/58J

US class: 134/22.18 141/85 435/287.2 435/287.200S 435/6 435/6.11 435/6.110P 435/7.2 435/7.32 435/7.320S 435/7.33 435/7.34 435/7.37 436/514 436/514P

Classification Explorer

Cited documents: WO9005549 A1, WO7901074 A1, US7776547 BB, US7045049 BA, US6637749 BB, US6630307 BB, US6617583 BA, US6607829 BA, US6602932 BB, US6602671 BA, US6576291 BB, US6570065 BA, US6500622 BB, US6476291 BA, US6468808 BA, US6466602 BA, US6444143 BB, US6426513 BA, US6423551 BA, US6326144 BA, US6322901 BA, US6319426 BA, US6306736 BA, US6306610 BA, US6274323 BA, US6251303 BA, US6230472 BA, US6225198 BA, US6207392 BA, US6207229 BA, US6105634 A, US6018931 A, US5990479 A, US5862840 A, US5587127 A, US5431198 A, US5368828 A, US5266498 A, US5265298 A, US5240048 A, US5167266 A, US5163487 A, US5031673 A, US4235265 A, US3486295 A, US2006240572 AA, US2006197955 AA, US2005238535 AA, US2005221494 AA, US2005148098 AA, US2004260183 AA, US2004184954 AA, US2004166505 AA, US2004127778 AA, US2004019283 AA, US2003170613 AA, US2003148544 AA, US2003143580 AA, US2003099940 AA, US2003008414 AA, US2002090650 AA, US2002069616 AA, US2002025529 AA, US2002004246 AA, US2001034478 AA, US2001034476 AA, US2001034034 AA, JPH01167027, JP1167027, EP0303135 A1, DE19909826 A1,

Forward Citations: WO17087574, WO16090134, WO16036410, WO15006515, WO14070935, WO12066235, WO12022119, WO11146881, WO11065747, WO11065747, WO11043821, WO09143504, WO09143504, WO09105670, WO09105670, WO07097572, WO07092173, WO06058334, WO06058334, US9599609, US9512000, US9434977, US9428781, US9405069, US9377473, US9372191, US9285376, US9274105, US9207236, US8980561, US8846319, US8835125, US8609333, US8597897, US8507294, US8471725, US8213473, US8050303, US7829772, US7688440, US7651851, US7524671, US7518721, US2016069886, US2015338579, US2015293085, US2015247845, US2015018253, US2015011412, US2014273013, US2014242613, US2014170674, US2014057362, US2014057290, US2014046722, US2013157380, US2013115717, US2013011851, US2012226027, US2011269147, US2011206084, US2011117540, US2010323343, US2010317021, US2010304414, US2010292348, US2010260745, US2010256344, US2010204062, US2010143905, US2010136566, US2009263905, US2009253586, US2009109057, US2009075828, US2008131977, US2008113448, US2008070234, US2008064120, US2007242713, US2007224683, US2007059203, US2006172339, KR101516563, KR100968334, KR100842656, JP5775565, JP2016011961, JP2015512038, JP2013525765, GB2447296, FR2967497, EP2623981, EP2554992, EP2554992, EP2352028, EP2095125, CN105277694, CN105242040, CN104849452, CN104849264, CN103926404, CN103926404, CN103926403, CN102375055, AU2011291356,

Abstract:
Source: US2005250141A Multiplexed lateral flow assays, related methods, and devices are disclosed which are capable of simultaneously detecting multiple analytes. The assays are preferably immunoassays and can be multiplexed spatially, spectrally, and both spatially and spectrally. Multiplexed assays are disclosed employing quantum dots for applications including the detection of human proteins and the monitoring of microorganisms relevant to water contamination. The invention is widely adaptable to a variety of analytes such as biowarfare agents, human clinical markers, and other substances.

0) ITTO20050026U – BOCCIA PER IL GIUOCO DELLE BOCCE, CONTENENTE EL...

123) Family number: 42813455 (ITTO20050026U) © PatBase

Title: BOCCIA PER IL GIUOCO DELLE BOCCE, CONTENENTE ELEMENTI DI RIEMPIMENTO CON FUNZIONE ANTI–RIMBALZO

Priority: IT2005TO00026U 20050218

Family:

Publication number	Publication date	Application number	Application date
ITTO20050026 U1	20060819	IT2005TO00026U	20050218

Probable Assignee: LINEA FUTURA DI BALDO DEBORAH

Assignee(s):(std)**:** LINEA FUTURA DI BALDO DEBORAH

Inventor(s):(std)**:** BALDO RENATO

0) US2007031823A – BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VAC...

124) Family number: 64272779 (US2007031823A) © PatBase

Title: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VACCINIA REGULATORY GENES AND USES THEREOF

Priority: US20020310188 20021205 US20030411230P 20030117 US20030604943 20030828 US20030441241P 20030117 US20030457788P 20030327 US20030604942 20030827 US20030604944 20030828 US20030604945 20030827 US20030604984 20030829 US20030605838 20031030 US20030605840 20031030

Family:

Publication number	Publication date	Application number	Application date
US2007031823 AA	20070208	US20030604943	20030828
US7790867 BB	20100907	US20030604943	20030828

Probable Assignee: ROSETTA GEMONICS LTD

Assignee(s):(std)**:** ROSETTA GENOMICS ; ROSETTA GENOMICS INC

Assignee(s): ROSETTA GEMONICS LTD

Inventor(s):(std)**:** BENTWICH ITZHAK

Agent(s): ROSETTA−GENOMICS; ROSETTA GENOMICS; POLSINELLI SHUGHART PC; TEDDY C

International class (IPC 8−9)**:** C07H21/02 C07H21/04 C12N15/11 C12N15/113 C12Q1/70 G01N33/48 G01N33/50 G06F19/00 (Advanced/Invention); A01N43/04 A61K31/70 C12N5/00 C12Q1/68 (Advanced/Non−invention)

US class: 435/375 435/5 435/6 435/6.1 514/44 536/23.1 536/23.72 536/24.5 702/20

Classification Explorer

Cited documents: WO05001128 A2, WO0244321 A2, WO02094185 A2, WO02088162 A1, WO0168836 A2, WO0130362 A2, US6903247 BB, US6506559 BA, US6107091 A, US5744140 A, US2004146910 AA, US2002086356 AA, US2001053519 AA,

Forward Citations: US9494589, US9409941, US9399658, US9381208, US8975037, US8669239, US8106004, US7666423, US2015316550, US2010273707, US2010204300, US2009186801, US2008050362,

Abstract:
Source: US2007031823A The present invention relates to a group of novel viral RNA regulatory genes, here identified as "viral genomic address messenger genes" or "VGAM genes", and as "genomic record" or "GR" genes. VGAM genes selectively inhibit translation of known host target genes, and are believed to represent a novel pervasive viral attack mechanism. GR genes encode an operon−like cluster of VGAM genes. VGAM and viral GR genes may therefore be useful in diagnosing, preventing and treating viral disease. Several nucleic acid molecules are provided respectively encoding several VGAM genes, as are vectors and probes, both comprising the nucleic acid molecules, and methods and systems for detecting VGAM genes, and for counteracting their activity.

0) DE202006016498U1 – MAGNETIZED WOODEN BALL FOR BOULES, PETANQUE AND...

125) Family number: 34329708 (DE202006016498U1) © PatBase

Title: MAGNETIZED WOODEN BALL FOR BOULES, PETANQUE AND BOCCIA HAS MAGNETIZED WOODEN BALL WITH PRIMER THAT CONTAINS METAL APPLIED TO HOLLOW BALL AND/OR METAL–CONTAINING PAINT APPLIED TO BALL

Priority: DE200620016498U 20061027

Family:

Publication number	Publication date	Application number	Application date
DE202006016498 U1	20070222	DE200620016498U	20061027

Probable Assignee: BOCK WILLY BERND

Assignee(s):(std)**:** BOCK WILLY BERND

International class (IPC 8–9): A63B37/00 (Advanced/Invention); A63B37/00 (Core/Invention)

CPC: A63B37/00 A63B37/12

European class: A63B37/00 A63B37/12

Classification Explorer

Abstract:
The magnetized wooden ball has a primer that contains metal applied to the hollow ball and/or a metal–containing paint applied to the ball.

126) Family number: 64272785 (US2007077553A) © PatBase

Title: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VACCINIA REGULATORY GENES AND USES THEREOF

Priority: US20030605840 20031030

Family:

Publication number	Publication date	Application number	Application date
US2007077553 AA	20070405	US20030605840	20031030

Probable Assignee: ROSETTA GEMONICS LTD

Assignee(s):(std)**:** ROSETTA GENOMICS

Assignee(s): ROSETTA GEMONICS LTD

Inventor(s):(std)**:** BENTWICH ITZHAK

Agent(s): ROSETTA–GENOMICS; ROSETTA GENOMICS

International class (IPC 8–9)**:** C07H21/04 C12Q1/68 C12Q1/70 G01N33/48 G01N33/50 G06F19/00 (Advanced/Invention); C07H21/00 C12Q1/68 C12Q1/70 G01N33/48 G01N33/50 G06F19/00 (Core/Invention)

US class: 435/5 435/6 435/6.13 536/23.72 702/20

Classification Explorer

Forward Citations: WO12064806, WO12064806, WO10048455, WO09062199, WO09036236, WO09026576, WO08137772, WO08131367, WO08131367, US9714427, US9523090, US9512398, US9511333, US9492404, US9469876, US9402803, US9272000, US9198929, US9128101, US9057109, US9034195, US9011922, US9004743, US8980325, US8975037, US8962700, US8815292, US8784898, US8784897, US8735371, US8669239, US8617616, US8609148, US8470893, US8455199, US8449172, US8445546, US8426130, US8410182, US8349191, US8318688, US8106004, US8056257, US8012948, US7838252, US7666423, US2010324116, US2010297193, US2010292099, US2010279877, US2010279292, US2010273707, US2010239656, US2010204300, US2010086501, US2010038244, US2009274771, US2009263495, US2009260092, US2009227018, US2009186801, US2009003272, US2008274908, US2008127508, US2008050362, US2007249009, US2007112802, US2006257892,

Abstract:
Source: US2007077553A The present invention relates to a group of novel viral RNA regulatory genes, here identified as "viral genomic address messenger genes" or "VGAM genes", and as "Viral genomic record" or "VGR genes". VGAM genes selectively inhibit translation of known host target genes, and are believed to represent a novel pervasive viral attack mechanism. VGR genes encode an "operon"–like cluster of VGAM genes. VGAM and viral VGR genes may therefore be useful in diagnosing, preventing and treating viral disease. Several nucleic acid molecules are provided respectively encoding several VGAM genes, as are vectors and probes, both comprising the nucleic acid molecules, and methods and systems for detecting VGAM genes, and for counteracting their activity.

0) US2008309502A – METHOD AND DEVICE FOR DETECTING FOREST FIRES

127) Family number: 34487396 (US2008309502A) © PatBase

Title: METHOD AND DEVICE FOR DETECTING FOREST FIRES

Priority: AU20060313621 20061025 AU20110265531 20111223 FR20050011491 20051110 WO2006FR02417 20061025

Family:

Publication number	Publication date	Application number	Application date
AT470922 E	20100615	AT20060831030T	20061025
AU2006313621 AA	20070518	AU20060313621	20061025
AU2011265531 AA	20120202	AU20110265531	20111223
AU2011265531 BB	20150709	AU20110265531	20111223
BRPI0618707 A2	20110315	BR2006PI18707	20061025
CA2629779 AA	20080508	CA20062629779	20061025
CA2629779 C	20160105	CA20062629779	20061025
DE602006014859 D1	20100722	DE200660014859T	20061025
EP1952368 A1	20080806	EP20060831030	20061025
EP1952368 B1	20100609	EP20060831030	20061025
FR2893743 A1	20070525	FR20050011491	20051110
FR2893743 B1	20101029	FR20050011491	20051110
MA30032 B1	20081201	MA20080031007	20080605
US2008309502 AA	20081218	US20060092983	20061025
WO07054630 A1	20070518	WO2006FR02417	20061025

Probable Assignee: SMART PACKAGING SOLUTIONS SPS

Assignee(s):(std)**:** BOCCIA HENRI ; PATRICE PHILIPPE ; SMART PACKAGING SOLUTIONS ; SMART PACKAGING SOLUTIONS SPS

Assignee(s): SMART PACKAGING SOLUTIONS SPS SOCIETE PAR ACTIONS SIMPLIFIEE ; SMART PACKAGING SOLUTIONS SPS SOC PAR ACTIONS SIMPLIFIEE ; SMART PACKAGING SOLUTIONS SPS SOC PAR ACTION ; SMART PACKAGING SOLUTIONS (SPS) ; SMART PACKAGING SOLUTIONS SOC PAR ACTIONS SIMPLIFI

Inventor(s):(std)**:** BOCCIA HENRI ; PATRICE PHILIPPE

Inventor(s): PHILIPPE PATRICE ; HENRI BOCCIA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; ROBIC; SCHEER LUC; GLOBAL INVENTIONS; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A62C3/00 A62C3/02 G08B17/10 G08B17/12 G08B25/00 G08B25/10 (Advanced/Invention); A62C3/00 G08B17/10 G08B17/12 G08B25/00 G08B25/10 (Core/Invention)

International class (IPC 1–7): A62C3/02 G08B17/10 G08B25/00

CPC: G08B17/113 G08B17/00 A62C3/0271 G08B17/005 G08B25/009

European class: A62C3/02N G08B17/00 G08B17/00F G08B25/00S

US class: 340/539.1 340/539.100S 340/578 340/578P 340/584 340/584S 340/632 340/632S

Classification Explorer

Cited documents: US7323978 BB, US6424257 BA, US6037875 A, US2004062294 AA, NL1024680 C2, FR2811456 A1, FR2696939 A1, DE3710265 A1, DE10357371 A1,

Forward Citations:

WO17039431, WO16151250, WO12107927, WO10015742, US9721458, US9530304, US7982628, US2016112854, US2013321149, US2010102983, RU2492899, NL2012373, FR3044802, FR3034239, FR2934501, CN105118216,

Abstract:
Source: US2008309502A The invention relates to a method of detecting a fire in a wooded area. Some trees in the area are provided with a fire sensor having a radiofrequency emitter able to emit information for identifying and/or locating each sensor, according to a grid of the area to be monitored. At each fire sensor, the fire absent or fire present state is detected A fire sensor emits an alert signal to a monitoring post if a fire is present in the vicinity of the sensor. The alert signal contains information for identifying and/or locating the sensor. The alert signal is transmitted from the monitoring post to a fire brigade by means of a long−range radiofrequency link.

128) Family number: 34620160 (EP1974779B1) © PatBase

Title: Ball for playing in a hall

Priority: DE200720004361U 20070324 EP20080152730 20080314

Family:

Publication number	Publication date	Application number	Application date
AT521393 E	20110915	AT20080152730T	20080314
DE202007004361 U1	20070531	DE200720004361U	20070324
DE502008004580 D1	20111027	DE200850004580T	20080314
EP1974779 A1	20081001	EP20080152730	20080314
EP1974779 B1	20110824	EP20080152730	20080314

Probable Assignee: MAASS FREIMUT

Assignee(s):(std)**:** MAASS FREIMUT

Inventor(s):(std)**:** MAASS FREIMUT

Agent(s): BRP RENAUD AND PARTNER; BONGEN RENAUD AND PARTNER

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

International class (IPC 8–9)**:** A63B37/00 A63B37/02 A63B67/06 (Advanced/Invention); A63B37/00 A63B37/02 A63B67/06 (Core/Invention)

CPC: A63B37/00 A63B67/066 A63B2037/085 A63B2209/00 A63B2243/0062

European class: A63B37/00 A63B67/06B K63B209/00 K63B243/00P K63B37/08L

Classification Explorer

Cited documents: US2002151382 AA, GB2268077 A1, FR734679 A, FR2671019 A1, FR1276055 A,

Forward Citations: DE102013016283, DE102013016283,

Abstract:
The ball has a spherical shell shaped membrane (3) made of rubber–elastic material, where a filling (7) is enclosed by the membrane. The filling is pre–stressed in a spherical shape and exhibits free–flowing granules (8), where the granules are embedded in a viscous or dry lubricant e.g. oil, sand, of the filling. The ball exhibits a diameter (2) in the range of 70 to 80 millimeter and a weight in the range of 650 to 800 gram. The granule is in spherical shape and exhibits a grain size smaller than 4 millimeter.

0) WO07080560A2 – THE USE OF THE PROCESS OF INDUCTION OF DE NOVO ...

129) Family number: 34912690 (WO07080560A2) © PatBase

Title: THE USE OF THE PROCESS OF INDUCTION OF DE NOVO SYNTHESIS OF P–GLYCOPROTEIN (P–GP) IN THE TREATMENT OF XENOBIOTIC–INDUCED INTOXICATIONS IN MAMMALS

Priority: PT20060103420 20060116

Family:

Publication number	Publication date	Application number	Application date
PT103420 A	20070731	PT20060103420	20060116
PT103420 B	20090930	PT20060103420	20060116
WO07080560 A2	20070719	WO2007IB50144	20070116
WO07080560 A3	20071101	WO2007IB50144	20070116

Probable Assignee: UNIV DO PORTO

Assignee(s):(std)**:** DIAS CARVALHO FELIX ; DINIS OLIVEIRA RICARDO JORGE ; GOMES REMIAO FERNANDO MANUEL ; PINHO DE ALMEIDA SOUTEIRO BAST ; RAMOS DUARTE JOSE ALBERTO ; UNIV DO PORTO ; SANCHEZ NAVARRO AMPARO

Assignee(s): UNIVERSIDADE DO PORTO ; PINHO DE ALMEIDA SOUTEIRO BASTOS MARIA DE LOURDES

Inventor(s):(std)**:** BASTOS MARIA DE LOURDES PINHO ; BASTOS MARIA DE LOURDES PINHO DE ALMEIDA SOUTEIRO ; CARVALHO FELIX DIAS ; DIAS CARVALHO FELIX ; DINIS OLIVEIRA RICARDO JORGE ; DUARTE JOSE ALBERTO RAMOS ; NAVARRO AMPARO SANCHEZ ; OLIVEIRA RICARDO JORGE DINIS ; PINHO DE ALMEIDA SOUTEIRO BAST ; GOMES REMIAO FERNANDO MANUEL ; RAMOS DUARTE JOSE ALBERTO ; REMIAO FERNANDO MANUEL GOMES ; SANCHEZ NAVARRO AMPARO

Inventor(s): AMPARO SANCHEZ NAVARRO ; RICARDO JORGE DINIS OLIVEIRA ; JOSE ALBERTO RAMOS DUARTE ; MARIA DE LOURDES PINHO DE ALMEIDA SOUTEIRO BASTOS ; PINHO DE ALMEIDA SOUTEIRO BASTOS MARIA DE LOURDES ; FELIX DIAS CARVALHO ; FERNANDO MANUEL GOMES REMIAO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/57 A61K31/573 A61P39/02 (Advanced/Invention); A61K31/57 A61P39/00 (Core/Invention)

CPC: A61K31/573

European class: A61K31/573

Classification Explorer

Abstract:
The present invention concerns to the process of induction ofde novo synthesis of P–glycoprotein (P–gp) to be used as a treatment of xenobiotic–induced intoxications in mammals and, in particular, of paraquat (PQ)–induced intoxications (Fig. 3). It is shown, for the first time that the induction of de novo synthesis of P–gp, 2 hours after PQ exposure, led to a remarkable decrease of PQ accumulation in the lung to 40 percent of the group exposed only to PQ, and to an increase of its faecal excretion with the subsequent reversion of the toxicity, as shown by several biochemical and histopathological biomarkers of toxicity in just 24 hours.

0) DE202007007074U1 – BOULE–SPIELFELD PETANQUE FIELD (MACHINE TRAN...

130) Family number: 38520443 (DE202007007074U1) © PatBase

Title:	Boule–Spielfeld Petanque field (Machine translation)
Priority:	DE200720007074U 20070516

Family:

Publication number	Publication date	Application number	Application date
DE202007007074 U1	20070913	DE200720007074U	20070516

Probable Assignee:	POEHLS HEINZ
Assignee(s):(std)**:**	POEHLS HEINZ
International class (IPC 8–9)**:**	A63D3/00 (Advanced/Invention)
CPC:	A63B67/066 A63D3/00 A63F9/0001 A63F2007/3614 A63F2009/0003
European class:	A63B67/06B A63D3/00 K63F7/36B6 K63F9/00A K63F9/00A1

Classification Explorer

Abstract:
Source: DE202007007074U1 (Claim 1) 1. Boule–Spielfeld, dadurch gekennzeichnet, dass das Spielfeld inGroesse von ca. 4 m bis 10 m Laenge und ca. 1 m bis 2 m Breite durcheinen massiven oder kastenartigen Unterbau mit einer ebenen, waagerechten abdeckendenPlatte (1) in einer gesamten konstruktiven Hoehe von ca. 0,30 m bis1 m gebildet wird. (Claim 1) 1. Boule playing field, by the fact characterized that the playing field inGroesse is formed for solid or box–like underbody with an even, horizontal taking off plate (1) at an entire constructional value of approx. 0.30 m bis1 m from approx. 4 m to 10 m length and approx. 1 m to 2 m broad through one.

0) US2011030070A – DIAGNOSIS AND TREATMENT OF AUTISM USING CD38

131) Family number: 41818485 (US2011030070A) © PatBase

Title: DIAGNOSIS AND TREATMENT OF AUTISM USING CD38

Priority: EP20070832332 20071115 JP20060308920 20061115 JP20060339054 20061215 WO2007JP72603 20071115 JP20080544223 20071115

Family:

Publication number	Publication date	Application number	Application date
AT530901 E	20111115	AT20070832332T	20071115
DE602007018319 D1	20111222	DE200760018319T	20071115
EP2083267 A1	20090729	EP20070832332	20071115
EP2083267 A4	20100630	EP20070832332	20071115
EP2083267 B1	20111026	EP20070832332	20071115
JP2008059991 A1	20100304	JP20080544223	20071115
JP4905901 B2	20120328	JP20080544223T	20071115
US2011030070 AA	20110203	US20070312505	20071115
US8222004 BB	20120717	US20070312505	20071115
WO08059991 A1	20080522	WO2007JP72603	20071115

Probable Assignee: TOHOKU UNIV

Assignee(s):(std)**:** HIGASHIDA HARUHIRO ; UNIV TOHOKU ; UNIV KANAZAWA NAT UNIV CORP

Assignee(s): NATIONAL UNIV KANAZAWA UNIV CORP ; NATIONAL UNIV KANAZAWA UNIV KANAZAWA CORP ; TOHOKU UNIV ; TOHOKU UNIV SENDAI SHI

Inventor(s):(std)**:** HIGASHIDA HARUHIRO

Agent(s): LEINWEBER AND ZIMMERMANN; DENISON CHRISTOPHER MARCUS; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; HIRAKI YUSUKE ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01K67/00 A01K67/027 A61K45/00 A61P25/00 A61P25/14 A61P25/20 A61P25/28 A61P43/00 C12N15/09 C12P19/34 C12Q1/02 C12Q1/25 C12Q1/68 G01N33/00 G01N33/15 G01N33/50 G01N33/53 (Advanced/Invention);
A01K67/027 (Advanced/Non–invention);
A01K67/027 A61K45/00 A61P25/00 A61P43/00 C12N15/09 C12Q1/25 C12Q1/68 G01N33/15 G01N33/53 (Core/Invention);
A01K67/027 (Core/Non–invention)

CPC: C12Q2600/136 C12Q1/6883 A01K67/0276 A01K2217/075 A01K2227/105 A01K2267/0356 A61K49/0008 C07K14/70596 C12N15/8509 C12Q2600/156 C12Q2600/158 G01N33/6896 G01N2333/70596 G01N2333/924 G01N2500/00 G01N2800/28 G01N2800/30

European class: A01K67/027M2 A61K49/00H6 C07K14/705Z C12N15/85A C12Q1/68M6 G01N33/68V2 K01K217/07B K01K227/10M K01K267/03K1 M12Q600/156 M12Q600/158 S01N333/705Z S01N333/924 S01N500/00 S01N800/28 S01N800/30

US class: 435/29 435/29S 435/6 435/6.14 435/6.140S 435/91.1 435/91.2 800/3 800/3P 800/9 800/9S

Classification Explorer

Cited documents: WO05115478 A2, WO04030524 A2, US7604948 BB, JP2006339054 A2, JP2006308920 A2,

Forward Citations: ES2561728,

Abstract:
Source: US2011030070A The invention relates to a method for screening a pharmaceutical for treating or preventing a neurodevelopmental disorder or a psychiatric disorder accompanied by an abnormality of oxytocin system by using an increase in expression or enzymatic activity of CD38 as an index, and a diagnosis of a predisposition to a neurodevelopmental disorder or a psychiatric disorder accompanied by an abnormality of oxytocin system by using a mutation present in a CD38 gene region as an index.

0) US2008188428A – BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL HIV...

132) Family number: 64272791 (US2008188428A) © PatBase

Title: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL HIV REGULATORY GENES AND USES THEREOF

Priority:

US20020303778	20021126	US20020310188	20021205	US20030441230P	20030116
US20030441241P	20030117	US20030457788P	20030327	US20020310914	20021206
US20030605838	20031030	US20030604944	20030828	US20030604945	20030827
US20030604942	20030828	US20030604943	20030828	US20030604984	20030829
US20030604942	20030827	US20030605840	20031030		

Family:

Publication number	Publication date	Application number	Application date
US2008188428 AA	20080807	US20030605838	20031030

Probable Assignee: ROSETTA GEMONICS LTD

Assignee(s):(std)**:** ROSETTA GENOMICS

Assignee(s): ROSETTA GEMONICS LTD

Inventor(s):(std)**:** BENTWICH ITZHAK

Agent(s): ROSETTA–GENOMICS, C/O PSWS; ROSETTA GENOMICS C O PSWS

International class (IPC 8–9): A61K31/7105 A61P31/00 C07H21/04 C12N15/11 C12N15/113 C12N15/66 C12Q1/70 (Advanced/Invention)

US class: 435/320.1 435/5 514/44 514/44A 536/23.72 536/24.3

Classification Explorer

Cited documents: US2002086356 AA,

Forward Citations: WO10144611, WO10144611, US9476048, US9409941, US9399658, US9382539, US9381208, US9212360, US9200290, US8937173, US8816060, US8754203, US8697859, US8642271, US8383807, US8318926, US8247543, US8114985, US8088914, US8088902, US7943756, US7772389, US7585969, US2014323581, US2011165669, US2011165567, US2010286385, US2009275729, US2009043082, US2005222067,

Abstract:
Source: US2008188428A The present invention relates to a group of novel viral RNA regulatory genes, here identified as "viral genomic address messenger genes" or "VGAM genes", and as "viral genomic record" or "VGR genes". VGAM genes selectively inhibit translation of known host target genes, and are believed to represent a novel pervasive viral attack mechanism. VGR genes encode an operon–like cluster of VGAM genes. VGAM and viral VGR genes may therefore be useful in diagnosing, preventing and treating viral disease. Several nucleic acid molecules are provided respectively encoding several VGAM genes, as are vectors and probes, both comprising the nucleic acid molecules, and methods and systems for detecting VGAM genes, and for counteracting their activity.

0) US2008213401A – NUTRITIONAL SUPPLEMENTS FOR HEALTHY MEMORY AND ...

133) Family number: 42141266 (US2008213401A) © PatBase

Title: NUTRITIONAL SUPPLEMENTS FOR HEALTHY MEMORY AND MENTAL FUNCTION

Priority: US20070899893P 20070207 US20080027652 20080207

Family:

Publication number	Publication date	Application number	Application date
US2008213401 AA	20080904	US20080027652	20080207
US7972633 BB	20110705	US20080027652	20080207

Probable Assignee: APPLIED COGNITIVE SCIENCES LLC

Assignee(s):(std)**:** APPLIED COGNITIVE SCIENCES LLC ; SMITH KYL L

Assignee(s): PROGRESSIVE LABORATORIES INC

Inventor(s):(std)**:** SMITH KYL L

Agent(s): COOLEY GODWARD KRONISH LLP, ATTN: PATENT GROUP; COOLEY GODWARD KRONISH LLP ATTN PATENT GROUP; COOLEY LLP

International class (IPC 8–9)**:** A01N65/00 A61K33/00 A61K33/22 A61K38/00 A61K8/67 C07D213/78 (Advanced/Invention); A61K33/00 A61K33/22 (Core/Invention)

CPC: Y10S514/904 A23L33/10 A23L33/105 A23L33/13 A23L33/16 A23L33/175 A61K45/06 A23V2002/00

European class: A23L1/30 A23L1/304 A23L1/305A A23L1/30B A23L1/30K A61K45/06 K23V2/00

US class: 424/600 424/600S 424/657 424/657P 424/722 424/722S 424/725 514/17.5 514/904 562/104

Classification Explorer

Cited documents: WO03003981 A2, US6989376 BB, US6989376 B1, US6451341 BA, US5886023 A, US2005244510 AA, US2005059727 AA, US2004157783 AA, NZ530554 A, JP2001048797 A2, JP10094382 A2, CN1759745 A,

Forward Citations: WO17072225, WO17072219, WO14026081, WO13191724, WO13072573, WO13045538, WO13001509, WO11120969, WO11091299, WO10129307, US9682048, US9380976, US9265458, US9167839, US9161565, US9101580, US9040082, US8846061, US8377454, US8357422, US8349376, US2015209317, US2015157046, US2014170211, US2014134281, US2013280357, US2011098265, US2010278944, US2010278939, US2010056484, ITTO20110576, ITNO20120007, FR3042712, EP2915431, EP2574339, EP2179739,

Abstract:
Source: US2008213401A The invention relates to compositions for supporting healthy memory and optimizing mental energy and methods for improving, preventing, and treating mental disorders or deterioration. The compositions of the invention can be formulated as nutritional or dietary supplements.

0) US2010135906A – IN VIVO IMAGING OF SULFOTRANSFERASES

134) Family number: 42260086 (US2010135906A) © PatBase

Title: IN VIVO IMAGING OF SULFOTRANSFERASES

Priority: US20070920875P 20070330 US20080594197 20080331 WO2008US04205 20080331

Family:

Publication number	Publication date	Application number	Application date
CA2706017 AA	20081009	CA20082706017	20080331
EP2171478 A1	20100407	EP20080742427	20080331
EP2171478 A4	20130130	EP20080742427	20080331
US2010135906 AA	20100603	US20080594197	20080331
US8372380 BB	20130212	US20080594197	20080331
WO08121407 A1	20081009	WO2008US04205	20080331

Probable Assignee: THE UNIV OF CALIFORNIA

Assignee(s):(std)**:** BARRIO JORGE R ; GARY SMALL W ; KEPE VLADIMIR ; SATYAMURTHY NAGICHETTIAR ; SMALL GARY W ; UNIV CALIFORNIA

Assignee(s): THE UNIV ; THE UNIV OF CALIFORNIA ; UNIV OF CALIFORNIA ; THE UNIV CALIFORNIA ; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Inventor(s):(std)**:** BARRIO JORGE R ; GARY SMALL W ; KEPE VLADIMIR ; SATYAMURTHY NAGICHETTIAR ; SMALL GARY W

Agent(s): PORTAL FREDERIC; CHRISTIE PARKER AND HALE LLP; CARPENTER JOHN D

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/055 A61K51/00 A61M36/14 C07C39/00 C07D215/00 C07D277/62 C07D311/00 C07D335/06 C07D471/02 G01N37/00 (Advanced/Invention); A61B5/055 A61K51/00 C07C39/00 C07D215/00 C07D277/00 C07D311/00 C07D335/00 C07D471/00 G01N37/00 (Core/Invention)

CPC: A61B5/055 A61B5/4088 A61B5/411 A61B6/481 A61K31/57 A61K51/04 G01N2333/91194

European class: A61B5/055 A61B5/41B A61K31/57 A61K51/04 K61B6/48B S01N333/910G

US class: 424/1.65 424/1.650S 424/1.89 424/1.890P 546/121 546/121S 546/152 546/152S 548/152 548/152S 549/23 549/23S 549/396 549/396S 568/716 568/716S

Classification Explorer

Cited documents: WO06057323 A1, US6229055 BA, US2006269474 AA, US2006172335 AA, US2006122235 AA, US2005043523 AA, US2004192598 AA, EP1815872 A1, EP0348261 A1,

Forward Citations: US9675593, US9359379, US9290450, US8969347, US8304413, US2011286932, US2011236307,

Abstract:
Source: US2010135906A Radiolabeled tracers for sulfotransferases (SULTs), their synthesis, and their use are provided. Included are substituted phenols, naphthols, coumarins, and flavones radiolabeled with 18F, 123I, 124I, 125I, or 11C. Also provided are in vivo techniques for using these and other tracers as analytical and diagnostic tools to study sulfotransferase distribution and activity, in health and disease, and to evaluate therapeutic interventions.

0) US2010297634A – GENE EXPRESSION SIGNATURES IN ENRICHED TUMOR CE...

135) Family number: 43047612 (US2010297634A) © PatBase

Title: GENE EXPRESSION SIGNATURES IN ENRICHED TUMOR CELL SAMPLES

Priority: US20070994592P 20070919 US20080678921 20080919 WO2008US10881 20080919

Family:

Publication number	Publication date	Application number	Application date
EP2201134 A2	20100630	EP20080831502	20080919
EP2201134 A4	20161019	EP20080831502	20080919
US2010297634 AA	20101125	US20080678921	20080919
US8889361 BB	20141118	US20080678921	20080919
WO09038754 A2	20090326	WO2008US10881	20080919
WO09038754 A3	20140605	WO2008US10881	20080919

Probable Assignee: UNIV NEW YORK STATE RES FOUND

Assignee(s):(std)**:** CHEN WEN TIEN ; RES FOUNDATION FOR STATE UNIV OF NEW YORK ; UNIV NEW YORK STATE RES FOUND

Assignee(s): RESEARCH FOUNDATION OF STATE UNIV OF NY ; RESEARCH FOUNDATION OF STATE UNIVERSITY OF N Y ; RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK ; THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK ; RESEARCH FOUNDATION FOR STATE UNIV OF NEW YORK ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s):(std)**:** CHEN WEN TIEN

Agent(s): GLAWE DELFS MOLL; MEDLEN AND CARROLL LLP; SCULLY SCOTT MURPHY AND PRESSER PC; CARROLL PETER G ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C12Q1/00 C12Q1/68 (Advanced/Invention); C12Q1/68 (Core/Invention)

CPC: C12Q1/6886 C12Q2600/112 C12Q2600/158

European class: C12Q1/68M6B M12Q600/112 M12Q600/158

US class: 435/6 435/6.13 435/6.130P 435/6.14

Classification Explorer

Cited documents: WO06042005 A2, WO05049168 A2, US6159750 A, US5885530 A, US5672480 A, US5599677 A, US5358691 A, US4981785 A, US4965188 A, US4683202 A, US4683195 A, US2006204960 AA, US2006134653 AA, US2005272103 AA, US2005260639 AA, US2005259483 AA, US2005250148 AA, US2005244843 AA, US2005153342 AA, US2004110227 AA, US2003206901 AA, US2002164825 AA,

Forward Citations: WO16118086, WO15116780, WO15061091, WO14126904, WO13006774, WO12156530, WO12156529, WO11144718, US9250242, JP2016510416, EP2956773, EP2524968, EP2524967, EP2388336, DE102011016191, CN105408748,

Abstract:
Source: US2010297634A The invention is embodied in methods for finding gene expression signatures of circulating melanoma cells, ovarian, breast, colorectal cancer cells, and circulating endothelial progenitor cells, which signatures are effective in distinguishing the circulating cancer cell from normal circulating cells and can also distinguish between different types of circulating cancer cells.

0) US2011030098A – GLYCOSYLTRANSFERASES, POLYNUCLEOTIDES ENCODING ...

136) Family number: 43471599 (US2011030098A) © PatBase

Title: GLYCOSYLTRANSFERASES, POLYNUCLEOTIDES ENCODING THESE AND METHODS OF USE

Priority: EP20080863568 20081219 NZ20070564691 20071221 WO2008NZ00341 20081219

Family:

Publication number	Publication date	Application number	Application date
AR069866 AA	20100224	AR2008P105612	20081219
AU2008341227 AA	20090702	AU20080341227	20081219
AU2008341227 BB	20120802	AU20080341227	20081219
CA2709675 AA	20100616	CA20082709675	20081219
CL2008003793 A1	20091009	CL20080003793	20081218
DE602008040463 D1	20151105	DE200860040463T	20081219
EP2235051 A2	20101006	EP20080863568	20081219
EP2235051 A4	20110119	EP20080863568	20081219
EP2235051 B1	20150930	EP20080863568	20081219
ES2555206 T3	20151229	ES20080863568T	20081219
NZ564691 A	20100326	NZ20070564691	20071221
US2011030098 AA	20110203	US20100818725	20100618
US8859848 BB	20141014	US20100818725	20100618
WO09082243 A2	20090702	WO2008NZ00341	20081219
WO09082243 A3	20091105	WO2008NZ00341	20081219

Probable Assignee: NZ INST PLANT AND FOOD RES LTD

Assignee(s):(std)**:** ATKINSON ROSS ; HORTICULTURE AND FOOD RES INST ; JUGDE HELENE ; NEW ZEALAND INST FOR PLANT AND ; NEW ZEALAND INST FOR PLANT AND FOOD RES LTD ; NZ INST PLANT AND FOOD RES LTD

Assignee(s): NEW ZELAND INST FOR PLANT AND FOOD RESEARCH LTD ; NEW ZEALAND INST FOR PLANT AND FOOD RESEARCH MOUNT ALBERT LTD ; NEW ZEALAND INST FOR PLANT AND FOOD RESEARCH LTD ; THE NEW ZEALAND INSTITUTE FOR PLANT AND FOOD RESEARCH LIMITED ; THE HORTICULTURE AND FOOD RESEARCH INSTITUTE OF NEW ZEALAND LIMITED ; HORTICULTURE AND FOOD RESEARCH INST OF NEW ZEALAND ; HORTICULTURE AND FOOD RESEARCH INST OF NEW ZEALAND LTD

Inventor(s):(std)**:** ATKINSON ROSS ; JUGDE HELENE

Inventor(s): ROSS ATKINSON ; HELENE JUDGE ; HELENE JUGDE

Agent(s): A J PARK; AJ PARK; AIRD AND BERLIS IP PARTNERSHIP LTD; VILLASECA; KREMER SIMON MARK; ISERN JORGE; GREENLEE SULLIVAN PC; LATHROP AND GAGE LLP; ADAMS MATTHEW D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01H1/00 A01H1/06 A01H11/00 A01H5/00 A01H7/00 A01H9/00 C07H1/00 C07H1/06 C07H21/04 C07K14/415 C07K16/16 C07K16/40 C12N15/00 C12N15/29 C12N15/54 C12N15/56 C12N15/63 C12N15/74 C12N15/82 C12N15/87 C12N5/04 C12N5/10 C12N5/14 C12N9/10 C12P19/44 C12Q1/02 C12Q1/48 (Advanced/Invention); A01H1/00 A01H5/00 A01H7/00 C07H21/00 C07K14/415 C07K16/16 C12N15/00 C12N15/29 C12N15/54 C12N15/56 C12N15/82 C12N5/14 (Core/Invention)

International class (IPC 1–7): A01H5/00 C12N15/54 C12N15/82 C12N5/10 C12N9/10

CPC: C12N15/825 C12N9/1048 C12N15/8243

European class: C12N15/82C4B C12N15/82C4B8 C12N9/10D

US class: 435/15 435/15S 435/193 435/193S 435/29 435/29S 435/320.1 435/320.100S 435/419 435/419S 435/468 435/468S 435/471 435/74 435/74S 530/387.9 530/387.900S 536/18.5 536/18.500S 536/23.2 536/23.200S 800/278 800/284 800/284P 800/295 800/295S

Classification Explorer

Cited documents: WO09058030 A2, WO08108668 A1, WO03057877 A1, US7214786 BB, US7041322 BB, US6074877 A, US6037522 A, US6020539 A, US5981840 A, US5968830 A, US5952543 A, US5846797 A, US5824877 A, US5792935 A, US5750871 A, US5591616 A, US5569834 A, US5563455 A, US5463174 A, US5416011 A, US5188958 A, US5187073 A, US5177010 A, US5159135 A, US5004863 A, US4795855 A, US2010306875 AA, US2010077503 AA, US2007214517 AA, US2007033674 AA, US2006236419 AA, US2006150283 AA, US2006123505 AA, US2006048240 AA, US2005208643 AA, US2004216190 AA, US2004214272 AA, US2004172684 AA, US2004123343 AA, US2004034888 AA, US2004031072 AA, US2003233670 AA, JP2006262910 A2, JP2004305049 A2,

Forward Citations: WO12006240, US9416181, US2014107053,

Abstract:
Source: US2011030098A The invention provides method for producing a plant cell or plant with increased phlorizin or phloretin glycosyltransferase activity, the method comprising transformation of a plant cell or plant with a polynucleotide encoding a polypeptide with phloretin glycosyltransferase activity. The invention also provides host cells, plant cells and plants, genetically modified to contain and or express the polynucleotides.

0) US2011105342A – METHOD FOR DETERMINING REDUCED PREDISPOSITION T...

137) Family number: 43747644 (US2011105342A) © PatBase

Title: METHOD FOR DETERMINING REDUCED PREDISPOSITION TO CANCER BASED ON GENETIC PROFILE

Priority: US20080069403P 20080313 US20090922405 20090313 WO2009PL00023 20090313

Family:

Publication number	Publication date	Application number	Application date
EP2313529 A2	20110427	EP20090721081	20090313
US2011105342 AA	20110505	US20090922405	20090313
WO09113888 A2	20090917	WO2009PL00023	20090313
WO09113888 A3	20091217	WO2009PL00023	20090313

Probable Assignee: POMORSKA AKADEMIA MEDYCZNA

Assignee(s):(std)**:** BYRSKI TOMASZ ; CYBULSKI CEZARY ; DEBNIAK TADEUSZ ; FERNANDEZ PABLO SERRANO ; GORSKI BOHDAN ; GRONWALD JACEK ; MATYJASIK JOANNA ; KURZAWSKI GRZEGORZ ; MEDREK KRZYSTOF ; POMORSKA AKADEMIA MEDYCZNA ; JAKUBOWSKA ANNA ; HUZARSKI TOMASZ ; SERRANO FERNANDEZ PABLO ; LUBINSKI JAN ; SERRANOF ERNANDEZ PABLO

Inventor(s):(std)**:** BYRSKI TOMASZ ; CYBULSKI CEZARY ; DEBNIAK TADEUSZ ; FERNANDEZ PABLO SERRANO ; GORSKI BOHDAN ; GRONWALD JACEK ; HUZARSKI TOMASZ ; JAKUBOWSKA ANNA ; KURZAWSKI GRZEGORZ ; LUBINSKI JAN ; MATYJASIK JOANNA ; MEDREK KRZYSTOF ; SERRANO FERNANDEZ PABLO

Agent(s): WITEK RAFAL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C12Q1/68 C40B30/00 C40B40/08 (Advanced/Invention); C12Q1/68 (Core/Invention)

CPC: C12Q1/6886 C12Q2600/112 C12Q2600/156 C12Q2600/16 C12Q2600/172

European class: C12Q1/68M6B M12Q600/112 M12Q600/156 M12Q600/160 M12Q600/172

US class: 435/6 506/17 506/17S 506/7 506/7P

Classification Explorer

Cited documents: WO07148997 A1, WO05013951 A2,

Abstract:
Source: US2011105342A The invention provide methods for early detection of a reduced risk of developing cancer, which comprises detecting the absence of a series of genetic polymorphisms associated with a predisposition of developing cancer, including the polymorphisms of the genes BRCA1, BRCA2, CARD15 (NOD2), CHEK2, CDKN2A (P16), CYP1B1, FGFR2 (KGFR2), MAP3K1 (MEKK1), p53 (TP53), TNRC9, XPD (ERCC2) and the genetic marker Rs6983267, in a biological sample from the analyzed subject, wherein the absence of the genetic polymorphisms is indicative of significantly decreased risk of developing, at least, breast cancer.

0) WO09124119A2 – PHOSPHODIESTERASE INHIBITORS AND USES THEREOF ...

138) Family number: 43811637 (WO09124119A2) © PatBase

Title: PHOSPHODIESTERASE INHIBITORS AND USES THEREOF

Priority: US20080041450P 20080401

Family:

Publication number	Publication date	Application number	Application date
WO09124119 A2	20091008	WO2009US39129	20090401
WO09124119 A3	20091230	WO2009US39129	20090401
WO09124119 A8	20100603	WO2009US39129	20090401

Probable Assignee: TRUSTES OF COLUMBIA UNIVERSITY

Assignee(s):(std): ARANCIO OTTAVIO ; DENG SHIXIAN ; LANDRY DONALD W ; PUZZO DANIELA ; TRUSTES OF COLUMBIA UNIVERSITY ; UNIV COLUMBIA

Assignee(s): THE TRUSTES OF COLUMBIA UNIVERSITY IN THE CITY OFNEW YORK ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

Inventor(s):(std): ARANCIO OTTAVIO ; DENG SHIXIAN ; LANDRY DONALD W ; PUZZO DANIELA

Agent(s): LOVE JANE M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01K67/027 A01N43/42 G01N33/53 (Advanced/Invention); A01K67/027 A01N43/34 G01N33/53 (Core/Invention)

CPC: C12Q1/37 G01N33/5088 G01N2333/96472

European class: C12Q1/37 G01N33/50D2J4 S01N333/964F2C23

Classification Explorer

Cited documents: WO9838168 A1, US2008009467 AA, US2007172484 AA, US2006281901 AA, US2006222647 AA, US2005202549 AA, US2005043325 AA, US2002106676 AA,

Forward Citations: WO13173206, WO12171974, US9675593, US9422242, US9359379, US9290450, US8969347, US8697875, US8304413, EP2535049,

Abstract:
The invention provides for a method for screening compounds that bind to and modulate a phosphosdiesterase protein. The invention further provides methods for treating conditions associated with accumulated amyloid−beta peptide deposit accumulations by administering a phosphodiesterase−binding compound to a subject.

0) US2010021777A – ALKALINE MEMBRANE FUEL CELLS AND APPARATUS AND ...

139) Family number: 44107298 (US2010021777A) © PatBase

Title: ALKALINE MEMBRANE FUEL CELLS AND APPARATUS AND METHODS FOR SUPPLYING WATER THERETO

Priority: JP20110512619 20090603 JP20110512619T 20090603 US20080058607P 20080604 US20080204067P 20081231 US20080058607 20080604 US20080204067 20081231 US20090477669 20090603 US20090154622P 20090223 US20100710539 20100223 WO2009US46146 20090603 US20110020614 20110203 WO2010US25005 20100223 US20120598028 20120829 US20120598035 20120829

Family:

Publication number	Publication date	Application number	Application date
CA2763147 AA	20111122	CA20092763147	20090603
CA2790317 AA	20120817	CA20102790317	20100223
CN102119459 A	20110706	CN200980131000	20090603
CN102119459 B	20141126	CN200980131000	20090603
CN102325602 A	20120118	CN201080008989	20100223
CN102325602 B	20150722	CN201080008989	20100223
EP2294644 A1	20110316	EP20090759354	20090603
EP2294644 A4	20130522	EP20090759354	20090603
EP2398596 A1	20111228	EP20100744455	20100223
EP2398596 A4	20131218	EP20100744455	20100223
IN03422KN2011 A	20120302	IN2011KN03422	20110812
IN04586KN2010 A	20110204	IN2010KN04586	20101202
JP2011523178 T2	20110804	JP20110512619T	20090603
JP2012518884 T2	20120816	JP20110551286T	20100223
JP2015038888 A2	20150226	JP20140224137	20141104
JP5520968 B2	20140611	JP20110551286T	20100223
JP5925860 B2	20160525	JP20140224137	20141104
US2010021777 AA	20100128	US20090477669	20090603
US2010216052 AA	20100826	US20100710539	20100223
US2011151342 AA	20110623	US20110020614	20110203
US2012321973 AA	20121220	US20120598035	20120829
US2012321991 AA	20121220	US20120598028	20120829
US7943258 BB	20110517	US20090477669	20090603
US8257872 BB	20120904	US20110020614	20110203
US8304368 BB	20121106	US20100710539	20100223
US8637196 BB	20140128	US20120598035	20120829
WO09149195 A1	20091210	WO2009US46146	20090603
WO10096797 A1	20100826	WO2010US25005	20100223

Probable Assignee: ELBIT SYSTEMS LAND AND C4I LTD

Assignee(s):(std)**:** CELLERA INC ; DEKEL DARIO ; GOTTESFELD ZIV ; GOTTESFELD SHIMSHON ; SIMAKOV DAVID STANISLAV ; GOTTESFELD SIMSHON ; SIMAKOV STANISLAV DAVID

Assignee(s): ELBIT SYSTEMS LAND AND C41 LTD ; ELBIT SYSTEMS LAND AND C4I LTD

Inventor(s):(std)**:** DARIO DEKEL ; DAVID STANISLAV SIMAKOV ; GOTTESFELD SIMSHON ; SHIMSHON GOTTESFELD ; SIMAKOV STANISLAV DAVID ; STANISLAV SIMAKOV DAVID ; ZIV GOTTESFELD ; SIMAKOV DAVID STANISLAV ; GOTTESFELD ZIV ; GOTTESFELD SHIMSHON ; DEKEL DARIO

Inventor(s): SIMAKOV DAVID

Agent(s):

RIDOUT AND MAYBEE LLP; BEVAN EMMA; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; MIRABITO JASON A ET AL; MIRABITO A JASON ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D67/00 B01D69/12 B01J23/48 B05D5/12 C09D11/02 H01M4/86 H01M4/88 H01M4/90 H01M4/92 H01M4/96 H01M8/00 H01M8/02 H01M8/0202 H01M8/04 H01M8/04119 H01M8/04291 H01M8/06 H01M8/08 H01M8/10 H01M8/1018 H01M8/24 (Advanced/Invention); H01M4/88 H01M8/04 H01M8/24 H1M4/88 (Advanced/Non–invention); B05D5/12 H01M4/86 H01M4/88 H01M4/90 H01M8/00 H01M8/10 (Core/Invention)

International class (IPC 1–7): H01M4/86

CPC: H01M4/8663 H01M4/8814 H01M4/92 H01M2008/1095 H01M4/8668 H01M4/8882 H01M4/8896 H01M4/9041 H01M4/921 H01M8/1025 H01M8/1032 H01M4/8835 H01M4/90 H01M8/1004 Y02P70/56 H01M8/103 H01M4/8605 H01M4/8807 H01M4/881 H01M4/8825 H01M4/8853 H01M4/886 H01M4/8871 H01M4/8892 H01M8/023 H01M8/083 H01M8/106 H01M8/1062 H01M8/1067 H01M8/1088 H01M8/1093 H01M8/0289

European class: H01M4/86B H01M4/86M H01M4/88B2 H01M4/88B4 H01M4/88B6 H01M4/88G H01M4/88G12 H01M4/88G16B H01M4/88G2D H01M4/88G8 H01M4/88K4 H01M4/90 H01M4/92 H01M8/02C4 H01M8/02E2 H01M8/08A H01M8/10B2 H01M8/10E2B8 H01M8/10E2H2 H01M8/10E2H4 H01M8/10E2M H01M8/10E2P12B H01M8/10E2P12F T01M4/86B T01M8/10E2B10 T01M8/10E2B2 T01M8/10P Y02E60/52B

US class: 429/13 429/30 429/400 429/414 429/414P 429/429 429/429P 429/465 429/465S 429/479 429/479S 429/482 429/482S 429/483 429/485 429/485S 429/487 429/487P 429/535 429/535S 502/101 502/101S 502/347 502/439 977/773 977/773S 977/775 977/775S 977/777 977/777S

Classification Explorer

Cited documents: WO09104570 A1, US7943258 BB, US7638215 BB, US7541109 BB, US7510794 BB, US7407721 BB, US7332241 BB, US7282293 BB, US7179501 BB, US7083708 BB, US6991865 BB, US6986961 BA, US6981877 BB, US6962760 BB, US6936368 BB, US6890680 BB, US6841283 BB, US6824899 BB, US6821658 BB, US6696382 BA, US6686081 BB, US6488837 BA, US6458479 BA, US6436562 BA, US6383640 BA, US6356433 BA, US6296964 BA, US6242568 BA, US6221523 BA, US6203936 BA, US6140466 A, US5527640 A, US5368717 A, US5366821 A, US5227042 A, US5108573 A, US5082550 A, US4910099 A, US47766909, US4253922 A, US4191453 A, US3909206 A, US2010216052 AA, US2010021777 AA, US2009042092 AA, US2009004529 AA, US2008206616 AA, US2008187824 AA, US2008184882 AA, US2008166542 AA, US2008156549 AA, US2008145721 AA, US2008115875 AA, US2008032182 AA, US2008008921 AA, US2007259236 AA, US2007128500 AA, US2006286429 AA, US2006266642 AA, US2006099482 AA, US2006068271 AA, US2005227140 AA, US2005196666 AA, US2005181271 AA, US2005170224 AA, US2005147862 AA, US2005053811 AA, US2005026005 AA, US2004265680 AA, US2004209154 AA, US2004209143 AA, US2004209136 AA, US2004191584 AA, US2004166401 AA, US2004076859 AA, US2004069144 AA, US2004062980 AA, US2004023086 AA, US2003228522 AA, US2003219645 AA, US2003157396 AA, US2003157395 AA, US2003143448 AA, US2003031907 AA, US2002122966 AA, US2002086193 AA, US2002034675 AA, JP2011523178 T2, JP2011523178, JP2009259629 A2, JP2009259629, JP2009099309 A2, JP200909769, JP2009009769 A2, JP2007273278 A2, JP2006244961 A2, JP2006244960 A2, JP2004342412 A2, JP2004342412, JP11135137 A2, EP1843416 A1, EP1612874 A1, CN1910776,

Forward Citations: WO14165072, WO13184269, WO12177855, US9236624, US9214691, US9190678, US8895198, US8304368, US8257872, US7943258, US2016172686, US2013295485, US2013130136, US2011305975, US2011212370, US2011151342, US2010216052, US2010021777, JP5806880, JP2015521346, JP2015038888, JP2014192096, JP2014107169, JP2013045699, EP2847814, EP2639577, CN104425829, CN104285323, CN103700870, CN103700870, CN102956904,

Abstract:
Source: US2010021777A A device to produce electricity by a chemical reaction without the addition of liquid electrolyte comprises an anode electrode, a polymer membrane electrolyte fabricated to conduct hydroxyl (OH–) ions, the membrane being in physical contact with the anode electrode on a first side of the membrane, and a cathode electrode in physical contact with a second side of the membrane. The anode electrode and cathode electrode contain catalysts, and the catalysts are constructed substantially entirely from non–precious metal

catalysts. Water may be transferred to the cathode side of the membrane from an external source of water.

0) WO10052224A1 – NORBORNENE POLYMERS AND COPOLYMERS WITH A STERE...

140) Family number: 44989139 (WO10052224A1) © PatBase

Title: NORBORNENE POLYMERS AND COPOLYMERS WITH A STEREOREGULAR 2,3 DISYNDIOTACTIC STRUCTURE: THEIR PREPARATION PROCESSES AND CLATHRATE STRUCTURES INVOLVING THE SAME

Priority: IT2008MI01944 20081104

Family:

Publication number	Publication date	Application number	Application date
IT1391754 B1	20120127	IT2008MI01944	20081104
ITMI20081944 A1	20100505	IT2008MI01944	20081104
WO10052224 A1	20100514	WO2009EP64562	20091103

Probable Assignee: MILANO POLITECNICO

Assignee(s):(std)**:** BUONO ANNAMARIA ; FAMULARI ANTONINO ; MEILLE STEFANO VALDO ; MILANO POLITECNICO ; RICCI GIOVANNI ; PORRI LIDO

Assignee(s): POLITECNICO DI MILANO

Inventor(s):(std)**:** BUONO ANNAMARIA ; FAMULARI ANTONINO ; FAMULARI ANTONIO ; MEILLE STEFANO VALDO ; PORRI LIDO ; RICCI GIOVANNI

Agent(s): ZANOLI ENRICO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C08F132/08 C08F32/08 (Advanced/Invention)

CPC: C08F132/08

European class: C08F132/08

Classification Explorer

Cited documents: US5569730 A, JP2008266622 A2, CN1459462 A,

Abstract:
It isdescribedthe production of crystalline 2,3 disyndiotactic polynorbornene with a decomposition (without melting) temperature in the range 380–400 degrees centigrade characterized by insolubilityin aromatic hydrocarbons at room temperature and partially soluble in boiling toluene. The production process, the crystalstructure and new clathrate structures of PNB formed by polymeric heliceswithtubular internal cavitiesare also described.

0) WO10066051A1 – THIOL–NOTA DERIVATIVES FOR KIT 68GA RADIOLABELI...

141) Family number: 45439129 (WO10066051A1) © PatBase

Title: THIOL–NOTA DERIVATIVES FOR KIT 68GA RADIOLABELING

Priority: US20080122232P 20081212

Family:

Publication number	Publication date	Application number	Application date
WO10066051 A1	20100617	WO2009CA01822	20091214

Probable Assignee: UNIV MCGILL

Assignee(s):(std)**:** SCHIRRMACHER RAIF ; WAENGLER CARMEN ; UNIV MCGILL ; WAENGLER BJOERN

Assignee(s): THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF ; THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING MCGILL UNIVERSITY ; ROYAL INSTITUTION FOR ADVANCEMENT OF

Inventor(s):(std)**:** SCHIRRMACHER RAIF ; WAENGLER BJOERN ; WAENGLER CARMEN

Agent(s): PRINCE GAETAN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): C07D255/02 C07K1/13 C07K14/34 C07K14/47 C07K14/765 C07K16/28 (Advanced/Invention); C07D255/00 C07K1/00 C07K14/195 C07K14/435 C07K16/18 (Core/Invention)

CPC: A61K51/087 A61K51/0482 A61K51/081 A61K51/088 C07D255/02

European class: A61K51/04L12 A61K51/08H A61K51/08Z C07D255/02

Classification Explorer

Cited documents: WO0061195 A1, CA2625196 AA,

Forward Citations: WO13086396, WO11033112, US9562113, US9260399, US8974766,

Abstract:
A thiol–NOTA derivative of Formula (I): wherein n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10; and m is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 is described herein. The thiol–NOTA derivatives are suitable for kit 68Ga radiolabeling of proteins and peptides.

0) US2010151056A – DIETARY SUPPLEMENTS FOR DECREASING THE LATENT F...

142) Family number: 45443001 (US2010151056A) © PatBase

Title:	DIETARY SUPPLEMENTS FOR DECREASING THE LATENT FOREIGN DNA LOAD
Priority:	US20080335576 20081216

Family:

Publication number	Publication date	Application number	Application date
US2010151056 AA	20100617	US20080335576	20081216

Probable Assignee:	POLANSKY HANAN
Assignee(s):(std):	POLANSKY HANAN
Inventor(s):(std):	POLANSKY HANAN
Agent(s):	HANAN POLANSKY
International class (IPC 8–9):	A61K33/04 (Advanced/Invention); A61K33/04 (Core/Invention)
CPC:	A23L33/105
European class:	A23L1/30B
US class:	424/702 424/702P
Classification Explorer	
Cited documents:	US7166435 BB, US2006147989 AA,
Forward Citations:	US2017027929, US2015174190, US2014342022, US2011052727,

Abstract:
Source: US2010151056A In one aspect, the invention presents methods for treating chronic diseases. In a preferred embodiment, the methods feature administration to a subject an effective dose of a dietary supplement that prevents or attenuates microcompetition between a foreign polynucleotide and a cellular polynucleotide or attenuates an effect of such microcompetition, especially, when the foreign polynucleotide is latent in the subject.

0) US2012076732A – PHOSPHODIESTERASE INHIBITORS AND USES THEREOF

143) Family number: 45904072 (US2012076732A) © PatBase

Title: PHOSPHODIESTERASE INHIBITORS AND USES THEREOF

Priority: EP20090835413 20090929 US20080140315P 20081223 US20090039129 20090401 US20090939129 20090401 WO2009US39129 20090401 WO2009US58813 20090929 US20110167540 20110623 US20140224702 20140325 US20160235736 20160812

Family:

Publication number	Publication date	Application number	Application date
DE602009027790 D1	20141224	DE200960027790T	20090929
EP2379076 A1	20111026	EP20090835413	20090929
EP2379076 A4	20120808	EP20090835413	20090929
EP2379076 B1	20141112	EP20090835413	20090929
JP2012513464 T2	20120614	JP20110543511T	20090929
US2012076732 AA	20120329	US20110167540	20110623
US2015080394 AA	20150319	US20140224702	20140325
US2017216275 AA	20170803	US20160235736	20160812
US8697875 BB	20140415	US20110167540	20110623
US9422242 BB	20160823	US20140224702	20140325
WO10074783 A1	20100701	WO2009US58813	20090929

Probable Assignee: UNIV COLUMBIA

Assignee(s):(std)**:** DENG SHIXIAN ; FENG YAN ; LANDRY DONALD W ; UNIV COLUMBIA ; TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK ; ARANCIO OTTAVIO

Assignee(s): COLUMBIA UNIV ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ; TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK NEW YORK ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s):(std)**:** ARANCIO OTTAVIO ; DENG SHIXIAN ; FENG YAN ; LANDRY DONALD W

Agent(s): ATKINSON JENNIFER; WILMER CUTLER PICKERING HALE AND DORR LLP; LOVE JANE M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/47 A61K31/4706 A61K31/497 A61K31/4985 A61K31/5025 A61K31/519 A61K31/53 A61K31/5377 A61K49/00 A61P25/00 A61P25/28 A61P43/00 C07D215/44 C07D215/48 C07D215/54 C12Q1/44 (Advanced/Invention); C12N9/99 (Advanced/Non–invention); A61K31/47 A61K31/4965 (Core/Invention)

CPC: A61K31/47 A61K31/497 C07D215/54 A61K31/4706 C07D215/48

European class: A61K31/47 A61K31/497 C07D215/48 C07D215/54

US class: 1/1 424/9.2 424/9.200P 514/235.2 514/248 514/248S 514/250 514/250S 514/252.16 514/252.160S 514/253.06 514/313 514/313S 546/159 546/159S

Classification Explorer

Cited documents: WO9954333 A1, WO9932619 A1, WO9924433 A1, WO9907409 A1, WO9849166 A1, WO9838168 A1, WO9816514 A1, WO9807430 A1, WO9622529 A1, WO9519978 A1, WO9518972 A1, WO9418318 A1, WO9320242 A1, WO9307149 A1, WO9307124 A1, WO9105058 A1, WO09124119 A2, WO08154221 A2, WO08067389 A2, WO07107499 A1, WO06089689 A1, WO06034512 A2, WO06034491 A2, WO05087742 A1, WO04010929 A2, WO0220489 A2, WO02074774 A1, WO02074312 A1, WO0187882 A2, WO0181311 A1, WO0136646 A1, WO0129058 A1, WO0127113 A2, WO0127112 A1, WO0112608 A1, WO0044914 A1, WO0044895 A1, WO0042026 A1, WO0015222 A1, WO0001846 A2, US7384958 BB, US7378430 BB, US7173042 BB, US6921759 BB,

US6835737 BB, US6774128 BB, US6576644 BB, US6573278 BB, US6302837 BA, US5801180 A, US5712171 A, US5693652 A, US5576322 A, US5565325 A, US5492915 A, US5346901 A, US5296479 A, US5294612 A, US2009239883 AA, US2009076077 AA, US2009017546 AA, US2008009467 AA, US2007208029 AA, US2007172484 AA, US2006281901 AA, US2006222647 AA, US2005265999 AA, US2005261298 AA, US2005202549 AA, US2005009815 AA, US2005009163 AA, US2004171881 AA, US2004043985 AA, US2004043983 AA, US2004039035 AA, US2004038856 AA, US2004014774 AA, US2003199693 AA, US2003166644 AA, US2002177587 AA, US2002133008 AA, US2002106676 AA, US2001053780 AA, JP2007506717 T2, JP2007506703 T2, JP2007501264 T2, JP2004527459 T2, JP2002308877 A2, JP2000072675 A2, EP1092718 A1, EP0995751 A2, EP0995750 A1, EP0636626 A1, EP0463756 A1,

Forward Citations: WO12171974, JP5719852, JP2013514320, EP2535049,

Abstract:
Source: US2012076732A The invention provides for compounds that are phosphodiesterase inhibitors. The invention further provides for a method for screening compounds that bind to and modulate a phosphosdiesterase protein. The invention also provides methods for treating conditions associated with accumulated amyloid−beta peptide deposit accumulations by administering a phosphodiesterase−binding compound to a subject.

0) IN00549MU2010A – AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED ...

144) Family number: 45954294 (IN00549MU2010A) © PatBase

Title: AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED PRODUCTION OF RULE BASED NEAR LIVE SPORTS EVENT IN THE FORM OF A VIDEO FILM FOR ENTERTAINMENT

Family:

Publication number	Publication date	Application number	Application date
IN00549MU2010 A	20100709	IN2010MU00549	20100303

Probable Assignee: RATHOD YOGESH CHUNILAL

Assignee(s): RATHOD YOGESH CHUNILAL

Inventor(s): RATHOD YOGESH CHUNILAL

International class (IPC 8–9): G06T17/00 H04N5/445 H04N5/765 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN00549MU2010A An apparatus, system, and method for automated production of sport video using expert sports video production rules. Methods and systems for automated rule based real and live sports video or film or movie productions by merging pre–created standardize video clips as per administrator score or points or goal settings and domain or subject specific film or movie production rules by domain and subject specific rule engine and real time or near real time live broadcasting or telecasting or streaming or screening or transmission or playing or recording live or real sports match event via multiple communication networks on multiple types of user(s) device(s) to viewers, e.g. real and live sports comprising cricket, baseball, golf, football, soccer, basketball, hockey, tennis, racing.

0) US2010178364A – DIETARY SUPPLEMENTS AGAINST LATENT FOREIGN DNA ...

145) Family number: 45962075 (US2010178364A) © PatBase

Title: DIETARY SUPPLEMENTS AGAINST LATENT FOREIGN DNA

Priority: US20090351907 20090112

Family:

Publication number	Publication date	Application number	Application date
US2010178364 AA	20100715	US20090351907	20090112

Probable Assignee: POLANSKY HANAN

Assignee(s):(std)**:** POLANSKY HANAN

Inventor(s):(std)**:** POLANSKY HANAN

Agent(s): HANAN POLANSKY

International class (IPC 8–9)**:** A61K31/11 A61K31/19 A61K31/192 A61K31/335 A61K31/352 A61K33/04 A61K36/484 A61K36/54 A61K36/82 A61P37/00 (Advanced/Invention); A61K31/11 A61K31/185 A61K31/335 A61K31/352 A61K33/04 A61K36/185 A61P37/00 (Core/Invention)

CPC: A61K31/11 A61K31/19 A61K31/192 A61K31/335 A61K31/352 A61K33/04 A61K36/484 A61K36/54 A61K36/82 A61K45/06

US class: 424/702 424/702P 424/729 424/729S 424/739 424/739S 424/757 424/757S 514/450 514/450S 514/456 514/456S 514/557 514/557S 514/570 514/570S 514/701 514/701S

Classification Explorer

Cited documents: US7166435 BB, US2004142049 AA,

Forward Citations: US2015196530, US2014302178,

Abstract:
Source: US2010178364A The invention presents methods for decreasing the concentration of a foreign polynucleotide in a human or animal subject, especially, when such polynucleotide is latent in the subject.

0) US2010263167A – COUNTER–BALANCE APPARATUS AND METHOD FOR PROVID...

146) Family number: 47334016 (US2010263167A) © PatBase

Title: COUNTER–BALANCE APPARATUS AND METHOD FOR PROVIDING A STABILIZING FORCE

Priority: US20090386311 20090416

Family:

Publication number	Publication date	Application number	Application date
US2010263167 AA	20101021	US20090386311	20090416

Probable Assignee: FOX SEYMOUR IAN

Assignee(s):(std)**:** FOX SEYMOUR IAN

Inventor(s):(std)**:** FOX SEYMOUR IAN

Agent(s): SEYMOUR IAN FOX

International class (IPC 8–9)**:** F16F15/28 (Advanced/Invention)

CPC: F16F7/104 F16F15/04 Y10T16/82

European class: F16F15/04 F16F7/104

US class: 16/400 16/400P

Classification Explorer

Cited documents: US7422547 BB, US6508682 BA, US6422047 BA, US5856620 A, US4402483 A, US4328648 A, US4235124 A, US4013170 A,

Forward Citations: WO15112539, WO14009637, US9611004, US9359091, US9199686, US9061587, US9002483, US8965610, US8849737, US8800697, US8768570, US8606418, US8543291, US8489247, US8374717, US2017197735, US2016369476, US2016332052, US2015343286, US2015183484, US2012217072, US2010104388, FR2993207,

Abstract:
Source: US2010263167A A counter–balance apparatus and method, including configurable weights, suspensions, and supports, upon which an external force can be exerted, and as a result, will react as a counter–balance to said external force as a means to provide force resistance and stability; wherein the construct may be encapsulated, varied in materials, size, and substance, enabling said counter–balance with a predictable and known effect to be produced at scale, readily installed, moved, or manipulated, to address a plethora of stabilization applications, and which further comprises fastener(s) and/or band(s) to secure it to immobile, mobile, or in–motion objects, and computational and communications capabilities to dynamically adjust to external factors.

147) Family number: 48487399 (ITTO20090483A) © PatBase

Title: BOCCIA DA GIOCO ED ELEMENTO DI RIEMPIMENTO CON FUNZIONE ANTI–RIMBALZO

Priority: IT2009TO00483 20090623

Family:

Publication number	Publication date	Application number	Application date
IT1394637 B1	20120705	IT2009TO00483	20090623
ITTO20090483 A1	20101224	IT2009TO00483	20090623

Probable Assignee: LINEA FUTURA DI BALDO DEBORAH

Assignee(s):(std)**:** LINEA FUTURA DI BALDO DEBORAH

Inventor(s):(std)**:** BALDO RENATO

CPC: A63B37/0098 A63B37/10

European class: A63B37/00P A63B37/10

Classification Explorer

Cited documents: WO08114293 A1, US6280356 BA, US1548531 A,

148) Family number: 48159788 (WO11144190A1) © PatBase

Title: TARGET MAT BASED ON TICK TACK TOE, FOR BALL GAMES (BOULE/PETANQUE/BOCCIA)

Priority: DE201020006991U 20100519

Family:

Publication number	Publication date	Application number	Application date
DE202010006991 U1	20110105	DE201020006991U	20100519
WO11144190 A1	20111124	WO2011DE00118	20110209

Probable Assignee: FISCHER ANDREAS

Assignee(s):(std)**:** FISCHER ANDREAS

Inventor(s):(std)**:** FISCHER ANDREAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A63B63/00 A63D1/00 A63F9/02 (Advanced/Invention)

CPC: A63B63/007 A63B67/066 A63D1/00 A63F3/00094 A63F2250/20

European class: A63B63/00H A63B67/06B A63D1/00 A63F3/00A14 K63F250/20

Classification Explorer

Cited documents: US4736955 A, US3504914 A, US2152867 A, FR2923396 A1,

Forward Citations: KR101267778,

Abstract:
The invention is produced as a square ground mat made of rubber. Four horizontal webs and four vertical webs divide the mat symmetrically into nine identical square–shaped sectors, which are punched out of the material and lead to the novel appearance of the invention.

0) US7868829B – REFLECTARRAY

149) Family number: 48095697 (US7868829B) © PatBase

Title: REFLECTARRAY

Priority: US20080053127 20080321

Family:

Publication number	Publication date	Application number	Application date
US7868829 BA	20110111	US20080053127	20080321

Probable Assignee: HRL LABORATORIES LLC

Assignee(s):(std)**:** HRL LAB LLC

Assignee(s): HRL LABORATORIES LLC

Inventor(s):(std)**:** COLBURN JOSEPH S ; MEHTA SARABJIT ; SIEVENPIPER DANIEL F

Agent(s): LADAS AND PARRY

International class (IPC 8–9): H01Q1/38 H01Q9/00 (Advanced/Invention)

CPC: H01Q3/46

European class: H01Q3/46

US class: 343/700.0MS 343/700MS 343/745

Classification Explorer

Cited documents: WO9950929, WO9821734, WO9629621, WO9400891, WO03098732 A1, WO0173893 A1, WO0173891 A1, WO0131737, WO0044012, US7253780 BB, US7253699 BB, US7245269 BB, US7164387 BB, US7154451 BA, US7071888 BB, US7068234 BB, US6917343 BB, US6897831 BB, US6897810 BB, US6864848 BB, US6680703 BA, US6657525 BA, US6642889 BA, US6624720 BA, US6552696 BA, US6538621 BA, US6525695 BB, US6518931 BA, US6515635 BB, US6496155 BA, US6483480 BA, US6473362 BA, US6469673 BB, US6440767 BA, US6426722 BA, US6424319 BB, US6417807 BA, US6407719 BA, US6404401 BB, US6404390 BB, US6392610 BA, US6388631 BA, US6380895 BA, US6373349 BB, US6366254 BA, US6337668 BA, US6331257 BA, US6323826 BA, US6317095 BA, US6307519 BA, US6285325 BA, US6252473 BA, US6246377 BA, US6218997 BA, US6218912 BA, US6204819 BA, US6198441 BA, US6198438 BA, US6191724 BA, US6188369 BA, US6175723 B1, US6175337 B1, US6166705 A, US6154176 A, US6150989 A, US6127908 A, US6118410 A, US6118406 A, US6097343 A, US6097263 A, US6081239 A, US6081235 A, US6075485 A, US6061025 A, US6054659 A, US6046659 A, US6046655 A, US6040803 A, US6037905 A, US6034655 A, US6034644 A, US6028692 A, US6028561 A, US6016125 A, US6008770 A, US6005521 A, US6005519 A, US5966101 A, US5966096 A, US5949382 A, US5945951 A, US5943016 A, US5929819 A, US5926139 A, US5923303 A, US5923296 A, US5905465 A, US5894288 A, US5892485 A, US5874915 A, US5808527 A, US5767807 A, US5721194 A, US5694134 A, US5644319 A, US5638946 A, US5621571 A, US5619366 A, US5619365 A, US5611940 A, US5600325 A, US5589845 A, US5581266 A, US5557291 A, US5541614 A, US5534877 A, US5532709 A, US5531018 A, US5525954 A, US5519408 A, US5406292 A, US5402134 A, US5287118 A, US5287116 A, US5278562 A, US5268701 A, US5268696 A, US5235343 A, US5208603 A, US5158611 A, US5146235 A, US5115217 A, US5081466 A, US5070340 A, US5023623 A, US5021795 A, US4958165 A, US4922263 A, US4916457 A, US4905014 A, US4903033 A, US4853704 A, US4843403 A, US4843400 A, US4835541 A, US4821040 A, US4803494 A, US4782346 A, US4760402 A, US4749996 A, US4737795 A, US4700197 A, US4684953 A, US4672386 A, US4594595 A, US4590478 A, US4529987 A, US4443802 A, US4395713 A, US4387377 A, US4370659 A, US4367475 A, US4308541 A, US4266203 A, US4242685 A, US4236158 A, US4220954 A, US4217587 A, US4189733 A, US4173759 A, US4150382 A, US4127586 A, US4124852 A, US4123759 A, US4119972 A, US4051477 A, US4045800 A, US3961333 A, US3810183 A, US3560978 A, US3267480 A, US2004227678 AA, US2004227668 AA, US2004227667 AA, US2004227583 AA, US2004135649 AA, US2004113713 AA, US2003227351 AA, US2003222738 AA, US2003193446 AA, US2003122721 AA, US2002036586 AA, US2001035801 AA, JP61260702, GB2328748, GB2281662, GB1145208, FR2785476, EP1158605 A1, EP0539297, DE19600609 A1,

DE102005014164 A1

Forward Citations: WO17043946, US9537225, US9437646, US9190982, US9048544, US8654034, US8253642, US8253620, US2014333503, US2014085891, US2013249751, US2013207746, US2013188041, US2012235874, US2012162010, US2011175791, US2011148727, US2011018756, KR101751123,

Abstract:
Source: US7868829B A reflectarray is disclosed. The reflectarray includes a first array of conductive patches supported by a substrate, wherein each conductive patch in the first array has a first center line along a Y−direction and a second centerline along an X−direction, a plurality of first variable capacitors, wherein each first variable capacitor is electrically coupled to one of the conductive patches in the first array along the first centerline, and a plurality of second variable capacitors, wherein each second variable capacitor is electrically coupled to one of the conductive patches in the first array along the second centerline.

0) WO11004381A1 – AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED ...

150) Family number: 48146689 (WO11004381A1) © PatBase

Title: AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED PRODUCTION OF RULE BASED NEAR LIVE SPORTS EVENT IN THE FORM OF A VIDEO FILM FOR ENTERTAINMENT

Priority: WO2009IN00384 20090708

Family:

Publication number	Publication date	Application number	Application date
WO11004381 A1	20110113	WO2009IN00384	20090708

Probable Assignee: RATHOD YOGESH CHUNILAL

Assignee(s):(std)**:** RATHOD YOGESH CHUNILAL

Inventor(s):(std)**:** RATHOD YOGESH CHUNILAL

Agent(s): ANAND AND ANAND ADVOCATES ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06F17/30 G11B27/034 G11B27/10 G11B27/32 G11B27/34 H04H60/04 H04H60/73 H04N5/262 (Advanced/Invention)

CPC: G11B27/034 A63F2300/69 G11B27/105 G11B27/322 G11B27/34 H04N5/262

European class: G11B27/034 G11B27/10A1 G11B27/32B G11B27/34 H04N5/262 K63F300/69

Classification Explorer

Cited documents: WO03014949 A1, US6810397 BA, US2003189589 AA, EP1968066 A1, EP1403786 A2,

Forward Citations: WO13156828, US9724588, US9652949, US9610491, US9502018, US9474933, US9398213, US9305441, TWI563837, EP2642486, CN103365073, CN103365073,

Abstract:
An apparatus, system, and method for automated production of sport video using expert sports video production rules. Methods and systems for automated rule based real and live sports video or film or movie productions by merging pre−created standardized video clips as per administrator score or points or goal settings and domain or subject specific film or movie production rules by domain and subject specific rule engine and real time or near real time live broadcasting or telecasting or streaming or screening or transmission or playing or recording live or real sport's match event via multiple communication networks on multiple types of user(s) device (s) to viewers, e.g. real and live sports comprising cricket, baseball, golf, football, soccer, basketball, hockey, tennis, racing.

0) US2012162010A – REFLECTARRAY ANTENNA SYSTEM

151) Family number: 48433016 (US2012162010A) © PatBase

Title: REFLECTARRAY ANTENNA SYSTEM

Priority: ES20090030641 20090901 WO2009EP61316 20090902

Family:

Publication number	Publication date	Application number	Application date
EP2474070 A1	20120711	EP20090782491	20090902
ES2384836 AA	20120713	ES20090030641	20090901
ES2384836 BA	20130520	ES20090030641	20090901
US2012162010 AA	20120628	US20090393678	20090902
US9048544 BB	20150602	US20090393678	20090902
WO11026513 A1	20110310	WO2009EP61316	20090902

Probable Assignee: FUNDACIO PRIVADA CT TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA

Assignee(s):(std): COLLADO GARRIDO ANA ; FUNDACIO CT TECHNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA ; GEORGIADIS APOSTOLOS ; FUNDACIO CT TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA ; FUNDACIO PRIVADA CT TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA

Assignee(s): FUNDACIO PRIVADA CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA ; FUNDACIO CENTRE TECHNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA ; FUNDACIO CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE ; FUNDACIO CENTRE TECNOLOGIC DE TELECOMUNICACIONS DE CATALUNYA

Inventor(s):(std): COLLADO GARRIDO ANA ; GEORGIADIS APOSTOLOS

Inventor(s): APOSTOLOS GEORGIADIS ; ANA COLLADO GARRIDO

Agent(s): CARPINTERO LOPEZ FRANCISCO; CARPINTERO MARIO; CANTOR COLBURN LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E02D29/14 H01Q3/02 H01Q3/42 H01Q3/46 (Advanced/Invention)

CPC: H01Q3/42 E02D29/14 H01Q3/46

European class: E02D29/14 H01Q3/42 H01Q3/46

US class: 1/1 342/368 342/368S 342/374 342/374P

Classification Explorer

Cited documents: US7868829 BA, US7791552 BA, US7109918 BA, US7030824 BA, US6473362 BA, US4394660 A, US3653046 A, US2010214171 AA, US2008278369 AA, DE3813858 A1,

Forward Citations: WO15178979, WO15166296, US9722310, US2016036125, US2014266891, US2014266889, CN105098345, CN104269651,

Abstract:
Source: US2012162010A The reflectarray includes a plurality of cells integrated in a PCB and externally illuminated by an input signal from a feeding source at a frequency fi, and an output signal is reflected, where each cell of the reflectarray is an AIA formed by a passive radiating element connected to an active circuit, which can be either an oscillator, or a push–push oscillator or a SOM, where the passive radiating circuit is placed on a reflective surface forming a side of the reflectarray and the active circuit is placed on the reverse side, the active circuit producing an output signal with a frequency related to the input frequency fi and the oscillation frequency fosc of said active circuit. This phase relationship is determined by an output phase variation, which is controlled by electronic means integrated in the reflectarray system, which allows an output phase variation interval even higher than 180 degrees.

0) US2013336526A – METHOD AND SYSTEM FOR WILDFIRE DETECTION USING ...

152) Family number: 48463721 (US2013336526A) © PatBase

Title: METHOD AND SYSTEM FOR WILDFIRE DETECTION USING A VISIBLE RANGE CAMERA

Priority: US20090241958P 20090913 US20100825003 20100913 WO2010US48685 20100913

Family:

Publication number	Publication date	Application number	Application date
EP2476098 A1	20120718	EP20100816249	20100913
US2013336526 AA	20131219	US20100825003	20100913
US9047515 BB	20150602	US20100825003	20100913
WO11032117 A1	20110317	WO2010US48685	20100913

Probable Assignee: DELACOM DETECTION SYSTEMS LLC

Assignee(s):(std)**:** CETIN AHMET ENIS ; DELACOM DETECTION SYSTEMS LLC ; GUNAY OSMAN

Inventor(s):(std)**:** CETIN AHMET ENIS ; GUNAY OSMAN

Agent(s): GERSTEIN HANS JOACHIM; WHITHAM CURTIS CHRISTOFFERSON AND COOK PC; WHITHAM MICHAEL E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): G06K9/00 G06K9/40 G06T7/00 G06T7/20 G08B17/00 G08B17/12 (Advanced/Invention)

CPC: G06K9/00657 G06K9/00147 G06T2207/10016 G06T2207/20081 G06T2207/30232 G08B17/005 G08B17/125 G06T7/12 G06T7/254

US class: 1/1 382/103

Classification Explorer

Cited documents: US6487303 BA, US2014099020 AA, US2013336526 AA, US2009219389 AA, US2008137906 AA, US2006187305 AA, US2006115154 AA, US2005117781 AA, US2004213459 AA, US2004175040 AA, US2003165258 AA, US2003044042 AA, US2002024446 AA,

Forward Citations: US9202115, US9047515, CN102867386, CN102867386,

Abstract:
Source: US2013336526A Wildfires are detected by controlling image scanning within the viewing range of a video camera to generate digital images that are analyzed to detect gray colored regions, and then to determine whether a detected gray colored region is smooth. Further analysis to determine movement in a gray colored smooth region uses a past image which is within a slow moving time range, as determined by a strategy for controlling the image scanning. Additional analysis connects a candidate region to a land portion of the image, and a support vector machine is applied to a covariance matrix of the candidate region to determine whether the region shows smoke from a wildfire.

153) Family number: 49091539 (US2013121919A) © PatBase

Title: HISTONE ACETYLTRANSFERASE ACTIVATORS AND USES THEREOF

Priority: CN201180066968 20111222 JP20120543311T 20101210 US20090285287P 20091210
US20100317765P 20100326 US20100354964P 20100615 JP20160081709 20160415
US20100355110P 20100615 US20100363009P 20100709 WO2010US59925 20101210
US20110539697P 20110927 US20120493490 20120611 US20110541706P 20110930
US20100426033P 20101222 US20110996483 20111222 WO2011US66851 20111222

Family:

Publication number	Publication date	Application number	Application date
CA2822621 AA	20130620	CA20112822621	20111222
CN103347392 A	20131009	CN201180066968	20111222
CN103347392 B	20161012	CN201180066968	20111222
CN106432137 A	20170222	CN201610811111	20111222
EP2509590 A1	20121017	EP20100836767	20101210
EP2509590 A4	20130529	EP20100836767	20101210
EP2654428 A1	20131030	EP20110850544	20111222
EP2654428 A4	20140827	EP20110850544	20111222
JP2013513618 T2	20130422	JP20120543311T	20101210
JP2014501763 T2	20140123	JP20130546423T	20111222
JP2016196459 A2	20161124	JP20160081709	20160415
JP6093180 B2	20170308	JP20120543311T	20101210
US2013121919 AA	20130516	US20120493490	20120611
US2017121276 AA	20170504	US20110996483	20111222
WO11072243 A1	20110616	WO2010US59925	20101210
WO12088420 A1	20120628	WO2011US66851	20111222

Probable Assignee: TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Assignee(s):(std)**:** ARANCIO OTTAVIO ; DENG SHI XIAN ; DENG SHIXIAN ; FA MAURO ; FRANCIS YITSHAK ; FENG YEN ; LANDRY DONALD W ; FENG YAN ; MAURO FA ; FIORITO JOLE ; LUZAC MICHAL ; UNIV COLUMBIA ; TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Assignee(s): TRUSTEES OF COLUMBIA UNIV IN THE CITY OF NEW YORK ; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s):(std)**:** DENG SHI XIAN ; DONALD W LANDRY ; FENG YAN ; FIORITO JOLE ; LUZAC MICHAL ; MAURO FA ; OTTAVIO ARANCIO ; YITSHAK FRANCIS ; LANDRY DONALD W ; FRANCIS YITSHAK ; FENG YEN ; FA MAURO ; DENG SHIXIAN ; ARANCIO OTTAVIO

Agent(s): GOWLING LAFLEUR HENDERSON LLP; LAWRENCE JOHN; HOSHINO OSAMU; ONO SHINJIRO; TOMITA HIROYUKI; KOBAYASHI YASUSHI; YAMASAKI KAZUO; HAKODA ATSUSHI; ICHIKAWA SATSUKI; KUMAKURA YOSHIO; ASAI KENJI; YAMAMOTO OSAMU; TAKEUCHI SHIGEO; LOVE JANE M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A01N55/02 A61K31/03 A61K31/13 A61K31/137 A61K31/138 A61K31/166 A61K31/167 A61K31/17 A61K31/18 A61K31/216 A61K31/27 A61K31/275 A61K31/277 A61K31/381 A61K31/4035 A61K31/44 A61K31/4409 A61K31/445 A61K31/4453 A61K31/495 A61K31/505 A61K31/536 A61K31/5375 A61K49/00 A61P21/00 A61P21/02 A61P25/00 A61P25/02 A61P25/14 A61P25/16 A61P25/20 A61P25/28 A61P25/32 A61P35/00 A61P35/02 A61P39/02 A61P43/00 A61P5/38 A61P9/00 C07C217/20 C07C217/22 C07C217/56 C07C217/58 C07C235/34 C07C235/38 C07C235/56 C07C235/58

C07C235/60 C07C235/64 C07C237/40 C07C251/24 C07C311/29 C07C323/31 C07C323/42 C07C323/44 C07C323/62 C07C323/67 C07D209/46 C07D209/48 C07D213/75 C07D213/82 C07D215/16 C07D233/90 C07D239/52 C07D265/14 C07D265/16 C07D265/36 C07D295/08 C07D295/088 C07D333/00 C07D333/38 C12Q1/48 G01N33/15 G01N33/50 (Advanced/Invention)

CPC: C07C323/42 C07C323/44 C07C323/62 C07C323/67 C07D213/75 C07D213/82 C07D333/38 C07D239/52 A61K49/00 C07C235/56 C07C237/40 C12Q1/48 G01N2500/04 G01N2800/2814 C07C323/60 A61K31/27 C07D265/14 C07C2601/08 C07C217/22 C07C217/58 C07C235/60 C07C235/64 C07C251/24 C07D209/48 C07D265/36 C07D295/088

European class: A61K31/27 C07C217/22 C07C217/58 C07C235/60 C07C235/64 C07C251/24 C07D209/48 C07D265/36 C07D295/088

US class: 424/9.2 435/15 435/7.1 514/269 514/346 514/352 514/445 514/603 514/617 514/618 514/620 514/622 544/319 546/291 546/309 549/64 564/156 564/162 564/165 564/179 564/184 564/85

Classification Explorer

Cited documents: WO9837068 A1, WO9422807 A1, WO94022807, WO11072243 A1, WO09095583 A2, WO09054493 A1, WO09044410 A1, WO09044410, WO09016088 A1, WO09016088, WO09010454 A2, WO07101710 A1, WO07008541 A2, WO06132583 A1, WO05121119 A1, WO05080377 A1, WO05007151 A1, WO04053140 A2, WO04053140, WO04052871 A1, WO04052871, WO04006906 A2, WO04006858 A2, WO03103658 A1, WO03103657 A1, WO03103655 A1, WO0192288 A2, US6369030 BA, US5814646 A, US5696138 A, US5430062 A, US4118332 A, US4088770 A, US4088770, US3671630 A, US3591684 A, US3254120 A, US2009264414 AA, US2009163545 AA, US2009076155 AA, US2007265296 AA, US2006167107 AA, US2005227915 AA, RU2370484 C1, JP9501443 T2, JP9207445 A2, JP6504782 T2, JP57139053 A2, JP56087502 A2, JP56087501 A2, JP55129256 A2, JP55041202 B4, JP54059325 A2, JP52151704 A2, JP51080346 A2, JP4261103 A2, JP2013513618 T2, JP2010535172 T2, JP2009108051 A2, JP2008530020 T2, JP2006514101 T2, JP2003503381 T2, JP2002542193 T2, JP2002518307 T2, JP2002512997 T2, JP2002249473 A2, JP2000510862 T2, GB807668 A, GB728098 A, GB1436306 B, GB1436306 A, GB1024816 B, FR1549342 A, EP1649852 A1, DE4428380 A1, CN1658856 A, CN101698651 A,

Forward Citations: WO15153410, WO12171008, US2014350116, KR101755530, JP2014501763, JP2013208060, EP3070076, EP2717688, EP2717688, EP2654428, EP2654428, CN105722822, CN103347392,

Abstract:
Source: US2013121919A The invention provides for a method for screening compounds that bind to and modulate a histone acetyltransferase protein. The invention further provides methods for treating neurodegenerative disorders, conditions associated with accumulated amyloid−beta peptide deposits, Tau protein levels, and/or accumulations of alpha−synuclein as well as cancer by administering a HAT−activating compound to a subject.

0) WO11092360A1 – PROCEDURE FOR THE OBTAINMENT OF PROCESSED FLOUR...

154) Family number: 49384173 (WO11092360A1) © PatBase

Title: PROCEDURE FOR THE OBTAINMENT OF PROCESSED FLOURS

Priority: ES20100030091 20100126

Family:

Publication number	Publication date	Application number	Application date
ES2364106 AA	20110825	ES20100030091	20100126
ES2364106 BA	20120629	ES20100030091	20100126
WO11092360 A1	20110804	WO2011ES70044	20110125

Probable Assignee: CONSEJO SUPERIOR INVESTIGACION

Assignee(s):(std)**:** CONSEJO SUPERIOR INVESTIGACION ; DRAGO SILVINA R ; GONZALEZ ROLANDO ; UNIV SEVILLA ; JUAN RODRIGUEZ ROCIO ; UNIV NAC DEL LITORAL ; VIOQUE PENA JAVIER ; PASTOR DIAZ JULIO ; PASTOR CAVADA ELENA

Assignee(s): UNIVERSIDAD NACIONAL DEL LITORAL ; UNIVERSIDAD DE SEVILLA ; CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS CSIC

Inventor(s):(std)**:** DRAGO SILVINA R ; GONZALEZ ROLANDO ; JUAN RODRIGUEZ ROCIO ; PASTOR CAVADA ELENA ; PASTOR DIAZ JULIO ; VIOQUE PENA JAVIER

Inventor(s): SILVINA R DRAGO ; ROLANDO GONZALEZ ; ROCIO JUAN RODRIGUEZ ; JULIO PASTOR DIAZ ; JAVIER VIOQUE PENA ; ELENA PASTOR CAVADA

Agent(s): PONS ANGEL; UNGRIA LOPEZ JAVIER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23L1/10 A23L1/20 A23P1/12 (Advanced/Invention)

CPC: A23L11/05 A23L7/198 A23P30/20 A23P30/34 A23P30/25

European class: A23L1/00P12 A23L1/10M A23L1/20D

Classification Explorer

Cited documents: WO08124253 A1, WO07044943 A1, US4711786 A, US4124727 A, RU2276546 C1,

Abstract:
Procedure for the obtainment of products through extrusion from a mixture of cereal flours, comprising flours from legumes of the genera Vicia or Lathyrus, extrudates obtained by said procedure, and base composition employed as starting material of said procedure.

0) US2013052223A – UNIVERSAL VACCINE AGAINST H5N1 LINEAGES

155) Family number: 49889052 (US2013052223A) © PatBase

Title: UNIVERSAL VACCINE AGAINST H5N1 LINEAGES

Priority: EP20110775384 20110209 US20100329802P 20100430 US20110695591 20110209 WO2011SG00059 20110209

Family:

Publication number	Publication date	Application number	Application date
CN102869379 A	20130109	CN201180021766	20110209
CN102869379 B	20150415	CN201180021766	20110209
DE602011017737 D1	20150820	DE201160017737T	20110209
EP2563389 A1	20130306	EP20110775384	20110209
EP2563389 A4	20131009	EP20110775384	20110209
EP2563389 B1	20150708	EP20110775384	20110209
IN03735KN2012 A	20130614	IN2012KN03735	20121129
JP2013525428 T2	20130620	JP20130507923T	20110209
JP5815676 B2	20151117	JP20130507923T	20110209
SG184804 A1	20121129	SG20120073607	20110209
TH133359 A	20140506	TH20121005712	20110209
US2013052223 AA	20130228	US20110695591	20110209
US9555093 BB	20170131	US20110695591	20110209
WO11136738 A1	20111103	WO2011SG00059	20110209

Probable Assignee: TEMASEK LIFE SCIENCES LABORATORY LTD

Assignee(s):(std)**:** TEMASEK LIFE SCIENCES LAB LTD ; MOOKKAN PRABAKARAN ; MOOKAN PRABAKARAN ; HE FANG ; KWANG HWEI SING JIMMY ; TEMASEK LIFE SCIENCES LABORATORY LTD ; TEMASEK LIFESCIENCES LAB LTD

Assignee(s): TEMASEK LIFESCIENCES LABORATORY LIMITED ; TEMASEK LIFE SCIENCES LABORATORY LIMITED ; TEMASEK LIFESCIENCES LABORATORY LTD

Inventor(s):(std)**:** HE FANG ; KWANG HWEI SING JIMMY ; MOOKAN PRABAKARAN ; MOOKKAN PRABAKARAN

Inventor(s): KWANG HWEI SING

Agent(s): WITTMANN HERNANDEZ PATENTANWAELTE PARTNERSCHAFT MBB; DENNY SOPHY H; HOSHINO OSAMU; ONO SHINJIRO; EJIRI HIROKO; TOMITA HIROYUKI; KOBAYASHI YASUSHI; ROTHWELL FIGG ERNST AND MANBECK PC; MOHANAKRISHNAN GAYATHRI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/7088 A61K35/76 A61K39/12 A61K39/145 A61K48/00 A61P31/16 A61P37/04 A61P43/00 (Advanced/Invention); A61K39/00 C07K14/01 C12N15/09 C12N15/117 C12N7/06 (Advanced/Non–invention); A61K39/145 (Core/Invention)

CPC: A61K39/145 A61K39/12 A61K2039/5252 A61K2039/5256 A61K2039/53 A61K2039/55566 A61K2039/70 C12N2710/14143 C12N2760/16134

European class: A61K39/145 K61K39/53 M12N760/16134

US class: 424/204.1 424/209.1

Classification Explorer

Cited documents: WO10077986 A2, WO10036948 A2, WO10021289 A1, WO09115917 A2, WO09092038 A1, WO09069447 A1, WO09035420 A1, WO09035412 A1, WO08115314 A2, WO08048984 A2, WO07129984 A1, US7981428 BB, US7691368 BB, US7666439 BB,

US7537768 BB, US7510719 BB, US2011020391 AA, US2010086485 AA, US2010074916 AA, US2010047271 AA, US2010041740 AA, US2010041740, US20100041740, US2009304730 AA, US2009263422 AA, US2009136532 AA, US2008187557 AA, US0041740, JP2010510281 T2, JP2010510281, EP1925318 A1, CN101643721 A, CN101481406 A, CN101293099 A,

Forward Citations: WO15196180, WO15099609, WO14127825, WO12072788, US9694067, US9375469,

Abstract:
Source: US2013052223A The present invention relates to a universal H5N1 vaccine. More specifically, the present invention relates to the identification of three H5N1 strains which cover the entire variants in the neutralizing epitopes of hemagglutinin among most H5N1 lineages. The present invention further relates a universal H5N1 vaccine that comprises the three H5N1 strains or that comprises hemagglutinin peptides of each of these three strains.

156) Family number: 50780645 (WO12034717A1) © PatBase

Title: PARTICLE ACCELERATOR COMPRISING A VOLTAGE MULTIPLIER INTEGRATED INTO THE ACCELERATOR CELL

Priority: DE201010040615 20100913 EP20110725003 20110520 WO2011EP58265 20110520

Family:

Publication number	Publication date	Application number	Application date
DE102010040615 A1	20120315	DE201010040615	20100913
DE502011010050 D1	20160811	DE201150010050T	20110520
EP2617269 A1	20130724	EP20110725003	20110520
EP2617269 B1	20160629	EP20110725003	20110520
WO12034717 A1	20120322	WO2011EP58265	20110520

Probable Assignee: SIEMENS AG

Assignee(s):(std)**:** HEID OLIVER ; SIEMENS AG

Assignee(s): SIEMENS AKTIENGESELLSCHAFT

Inventor(s):(std)**:** HEID OLIVER

Agent(s): SIEMENS AKTIENGESELLSCHAFT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): H05H5/02 H05H5/06 (Advanced/Invention)

CPC: H05H5/02 H05H5/06

European class: H05H5/02 H05H5/06

Classification Explorer

Cited documents: US5124658 A, US2010033115 AA, US2005116690 AA, US2002047545 AA, DE69116260 T2, DE4341085 A1, DE1564583 A1,

DE102009039998 A1

DE102009023305 A1

BE1013646 AG,

Forward Citations: RU2625335,

Abstract:
A particle accelerator comprises an evacuated accelerator cell (1) for a particle beam (2) of the particle accelerator. The particle accelerator further comprises at least one electrode structure (3) to which a high voltage affecting the particle beam (2) is applied during operation of the particle accelerator. It also comprises a power supply device (4) which generates the high voltage applied to the electrode structure (3) during operation of the particle accelerator. The power supply device (4) is designed as a voltage multiplier to which AC voltage (U) is fed. The at least one electrode structure (3) and the power supply device (4) are arranged within the evacuated accelerator cell (1).

0) ES1077159U – LANZADERA AEREA PARA PERSONAS CON MOVILIDAD RED...

157) Family number: 51294730 (ES1077159U) © PatBase

Title: Lanzadera aerea para personas con movilidad reducida Aerial shuttle for disabled (Machine translation)

Priority: ES20120000477U 20120521

Family:

Publication number	Publication date	Application number	Application date
ES1077159 UA	20120611	ES20120000477U	20120521
ES1077159 Y1	20120907	ES20120000477U	20120521

Probable Assignee: UNIV MIGUEL HERNANDEZ

Assignee(s):(std)**:** UNIV ALICANTE ; UNIV MIGUEL HERNANDEZ

Assignee(s): UNIVERSIDAD DE ALICANTE ; UNIVERSIDAD MIGUEL HERNANDEZ

Inventor(s):(std)**:** ALONSO SERRANO JOSE LUIS ; CAUS PERTEGAZ NURIA ; MOLLA CANDELA MARIA ; TORTOSA MARTINEZ JUAN

Inventor(s): NURIA CAUS PERTEGAZ ; JOSE LUIS ALONSO SERRANO ; JUAN TORTOSA MARTINEZ ; MARIA MOLLA CANDELA

International class (IPC 8–9): A63B69/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1077159U 1. Lanzadera aerea para personas con movilidad reducida que comprende una estructura formada por los elementos:– Base de la lanzadera.– Soporte de la lanzadera.– Base giratoria.– Soporte vertical.– Cajon cerrado.Y un mecanizado electronico formado por los elementos:– Motor.– Al menos cuatro elementos digitales tipo interruptores o pulsadores.– Controlador que gestione la informacion de entrada y salida.– Fuente de alimentacion.que permite hacer lanzamientos aereos de proyectiles variando la direccion de lanzamiento, la distancia de lanzamiento y la intensidad de lanzamiento.2. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base de la lanzadera comprende los siguientes elementos:– Pieza soporte.– Guia de desplazamiento.– Dos piezas a modo de topes.3. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte de la lanzadera comprende los siguientes elementos:– Plataforma rectangular.– Pieza en forma de "T" invertida.4. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base giratoria de la lanzadera comprende los siguientes elementos:– Pieza en forma de cruz. Pieza en forma de seta.5. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte vertical comprende los siguientes elementos:– Pieza rectangular delantera.– Dos piezas laterales en forma de trapecio.– Pieza rectangular trasera.6. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el cajon cerrado comprende los siguientes elementos:– Pieza en forma de paleta.– Dos piezas iguales en los laterales.– Pieza en forma de cuna en la parte superior.– Pieza en la parte inferior.

Machine translation: 1. Aerial shuttle for disabled guests comprising a structure formed by the elements: – Base of the shuttle. – Support of the shuttle. – Swivel base. – Support vertical. – Cajon cerrado.Y electronic machining comprising the elements: – Motor. – At least four elements type digital switches or buttons. – Controller to manage the input and output information. – Power alimentacion.que allows aerial missile launches by varying the direction of launch, the launch distance and intensity of lanzamiento.2. Aerial shuttle for disabled according to claim 1, wherein the base of the shuttle comprises the following elements: – part support. – Travel Guide. – Two pieces topes.3 mode. Aerial shuttle for disabled according to claim 1, wherein the support of the shuttle comprises the following elements: – rectangular platform. – Part in a "T" invertida.4. Aerial shuttle for disabled according to claim 1, wherein the swivel base of the shuttle comprises the following elements: – part in a cross. Seta.5 shaped piece. Aerial shuttle for disabled according to claim 1, wherein the vertical support includes the following elements: – rectangular front part. – Two side pieces in the form of a trapezoid. – Part rectangular trasera.6. Aerial shuttle for disabled according to claim 1, wherein the closed drawer comprises the following elements: – paddle–shaped part. – Two equal parts on the sides. – Cradle–shaped piece at the top. – Piece the bottom.

158) Family number: 51552931 (US2013302790A) © PatBase

Title: INFECTIOUS HEPATITIS E VIRUS GENOTYPE 3 RECOMBINANTS

Priority: US20110431377P 20110110 US20110554323P 20111101 WO2012US20830 20120110 US20120978839 20120110 US20150918466 20151020 US20130978839 20130709

Family:

Publication number	Publication date	Application number	Application date
CN103328004 A	20130925	CN201280004927	20120110
EP2663328 A1	20131120	EP20120734409	20120110
EP2663328 A4	20140910	EP20120734409	20120110
JP2014509839 T2	20140424	JP20130548625T	20120110
JP6129748 B2	20170517	JP20130548625T	20120110
US2013302790 AA	20131114	US20120978839	20120110
US2016102296 AA	20160414	US20150918466	20151020
US9181530 BB	20151110	US20120978839	20120110
WO12096999 A1	20120719	WO2012US20830	20120110

Probable Assignee: US HEALTH

Assignee(s):(std)**:** BENDALL RICHARD ; BENDALL RICHARD P ; DALTON HARRY R ; EMERSON SUZANNE U ; NGUYEN HANH T ; PURCELL ROBERT H ; ROYAL CORNWALL HOSPITAL TRUST ; SHUKLA PRIYANKA ; US GOVERNMENT ; US GOV HEALTH AND HUMAN SERV ; US GOV ; US HEALTH

Assignee(s): SEC DEP OF HEALTH AND HUMAN SERV AS US GOV ; SEC DEP OF HEALTH AND HUMAN SERVICES AS US GOV ; THE GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES ; GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF DEPARTMENT OF HEALTH AND HUMAN SERVICES AS ; REPRESENTED BY SEC DEP OF HEALT AS US GOV ; REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICES AS US GOV ; GOVERNMENT OF UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES ; AS REPRESENTED BY SEC DEP OF HEALTH AND HUMAN SERVICES US GOV

Inventor(s):(std)**:** SHUKLA PRIYANKA ; PURCELL ROBERT H ; NGUYEN HANH T ; EMERSON SUZANNE U ; DALTON HARRY R ; BENDALL RICHARD P ; BENDALL RICHARD

Agent(s): CAMPBELL PATRICK JOHN HENRY; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; KILPATRICK TOWNSEND AND STOCKTON LLP; LOCKYER JEAN M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K39/12 A61K39/29 A61P1/16 A61P31/14 C07H21/00 C07K14/005 C07K14/47 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/86 C12N5/071 C12N5/09 C12N5/10 C12N7/00 C12N7/04 C12N7/06 C12Q1/70 (Advanced/Invention); A61K39/00 C12M1/00 C12Q1/68 (Advanced/Non–invention)

CPC: C12N7/00 C12N15/86 A61K39/00 C07K14/005 C12N2770/28121 C12N2770/28122 C12N2770/28143 C12N2770/28151 C12Q1/707 C07K14/47 C12N2770/28152 C12N2770/28134

US class: 1/1 435/235.1 435/252.3 435/252.33 435/254.2 435/325 435/348 435/352 435/366 435/370 435/5 536/23.5

Classification Explorer

Cited documents: US7084266 BA, US2010034845 AA, US2003049601 AA,

Forward Citations: EP3121267,

Abstract:
Source: US2013302790A The invention relates to the discovery of an HEV strain from a chronically infected patient. The virus grow unusually well in numerous cell cultures. Thus, the invention provides cell cultures, vectors, and vaccine compositions based on the virus. The invention relates, in part, on the identification of a new strain of HEV genotype 3 virus. Strain Kernow−C1 (genotype 3) of HEV, which was isolated from a chronically infected patient, was used to identify human, pig and deer cell lines permissive for infection. Adaptation of the Kernow−C 1 strain to growth in human hepatoma cells selected for a rare virus recombinant that contained an insertion of 174 ribonucleotides (58 amino acids) of a human ribosomal protein gene and additional mutations.

0) CN102602091A – FIBER NEEDLED BLANKET FOR BOCCIA COURT

159) Family number: 51625540 (CN102602091A) © PatBase

Title: FIBER NEEDLED BLANKET FOR BOCCIA COURT

Priority: CN201110427498 20111212

Family:

Publication number	Publication date	Application number	Application date
CN102602091 A	20120725	CN201110427498	20111212

Probable Assignee: XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s):(std)**:** XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s): XINXIANG JINLIDA CHEMICAL FIBER CO

Inventor(s):(std)**:** JINLI TIAN ; SHOUZHEN WANG

Inventor(s): TIAN JINLI ; WANG SHOUZHEN

International class (IPC 8–9): A63C19/04 B32B27/02 B32B27/12 B32B27/36 D03D13/00 D03D15/00 D04H1/435 D04H1/46 (Advanced/Invention)

Classification Explorer

Cited documents: US4346138 A, CN2716319 Y, CN2712211 Y, CN201473852 U, CN1370873 A,

Abstract:
Source: CN102602091A The invention discloses a fiber needled blanket for a boccia court. The blanket comprises two fiber needled layers, wherein a base fabric layer is arranged between the two fiber needled layers; the fibers of the two fiber needled layers are two kinds of blend fibers with different fineness; the fineness of one kind of fibers is 61–65 deniers; the fineness of the other kind of fibers is 21–30 deniers; the fibers with fineness being 61–65 deniers account for 70–80wt percent of the blend fibers; the balance is the fibers with fineness being 21–30 deniers; and the two kinds of blend fibers with different fineness are polyester staple fibers. Compared with the prior art, the fiber needled blanket has the obvious advantages of long life and stable movement performance of the boccia.

0) CN102602088A – FIBER NEEDLED BLANKET FOR BOCCIA COURT

160) Family number: 51633552 (CN102602088A) © PatBase

Title: FIBER NEEDLED BLANKET FOR BOCCIA COURT

Priority: CN201110427426 20111212

Family:

Publication number	Publication date	Application number	Application date
CN102602088 A	20120725	CN201110427426	20111212

Probable Assignee: XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s):(std)**:** XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s): XINXIANG JINLIDA CHEMICAL FIBER CO

Inventor(s):(std)**:** JINLI TIAN ; SHOUZHEN WANG

Inventor(s): TIAN JINLI ; WANG SHOUZHEN

International class (IPC 8–9): B32B27/02 B32B27/12 D03D13/00 D03D15/00 D04C1/06 D04H1/4291 D04H1/435 D04H1/4374 (Advanced/Invention)

Classification Explorer

Cited documents: JP59223346 A2, JP2251648 A2, CN2458323 Y, CN1757825 A, CN1451061 A,

Forward Citations: CN102704186,

Abstract:
Source: CN102602088A The invention discloses a fiber needled blanket for a boccia court. The blanket comprises two fiber needled layers, wherein a base fabric layer is arranged between the two fiber needled layers; the fibers of the two fiber needled layers are two kinds of blend fibers with different fineness; the fineness of one kind of fibers is 81–90 deniers; the fineness of the other kind of fibers is 21–30 deniers; the fibers with fineness being 81–90 deniers account for 60–80wt percent of the blend fibers; the balance is the fibers with fineness being 21–30 deniers; and the two kinds of blend fibers with different fineness are polyester staple fibers. Compared with the prior art, the fiber needled blanket has the obvious advantages of long life and stable movement performance of the boccia.

0) CN102602089A – FIBER NEEDLED BLANKET FOR BOCCIA COURT

161) Family number: 51634486 (CN102602089A) © PatBase

Title: FIBER NEEDLED BLANKET FOR BOCCIA COURT

Priority: CN201110427430 20111212

Family:

Publication number	Publication date	Application number	Application date
CN102602089 A	20120725	CN201110427430	20111212

Probable Assignee: XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s):(std)**:** XINXIANG JINLIDA CHEMICAL FIBER CO LTD

Assignee(s): XINXIANG JINLIDA CHEMICAL FIBER CO

Inventor(s):(std)**:** JINLI TIAN ; SHOUZHEN WANG

Inventor(s): TIAN JINLI ; WANG SHOUZHEN

International class (IPC 8–9): B32B27/02 B32B27/12 D03D13/00 D03D15/00 D04C1/06 D04H1/4291 D04H1/435 D04H1/4374 (Advanced/Invention)

Classification Explorer

Cited documents: US4346138 A, CN2716319 Y, CN2458323 Y,

Abstract:
Source: CN102602089A The invention discloses a fiber needled blanket for a boccia court. The blanket comprises two fiber needled layers, wherein a base fabric layer is arranged between the two fiber needled layers; the fibers of the two fiber needled layers are two kinds of blend fibers with different fineness; the fineness of one kind of fibers is 71–80 deniers; the fineness of the other kind of fibers is 21–30 deniers; the fibers with fineness being 71–80 deniers account for 60–80wt percent of the blend fibers; the balance is the fibers with fineness being 21–30 deniers; and the two kinds of blend fibers with different fineness are polyester staple fibers. Compared with the prior art, the fiber needled blanket has the obvious advantages of long life and stable movement performance of the boccia.

162) Family number: 52666104 (US2014147386A) © PatBase

Title: 1–ARYL–4–METHYL–[1,2,4]TRIAZOLO[4,3–A]QUINOXALINE DERIVATIVES

Priority: EP20110171519 20110627 EP20120729637 20120626 WO2012EP62381 20120626

Family:

Publication number	Publication date	Application number	Application date
AU2012277912 AA	20130103	AU20120277912	20120626
AU2012277912 BB	20170323	AU20120277912	20120626
BR112013033375 A2	20160906	BR20131133375	20120626
CA2838645 AA	20131206	CA20122838645	20120626
CN103619846 A	20140305	CN201280031255	20120626
CN103619846 B	20160817	CN201280031255	20120626
DE602012015950 D1	20160512	DE201260015950T	20120626
EA027418 B1	20170731	EA20140090165	20120626
EA201490165 A1	20140430	EA20140090165	20120626
EP2723744 A1	20140430	EP20120729637	20120626
EP2723744 B1	20160323	EP20120729637	20120626
ES2575092 T3	20160624	ES20120729637T	20120626
IN00116MN2014 A	20150109	IN2014MN00116	20140120
JP2014518234 T2	20140728	JP20140517667T	20120626
JP6115962 B2	20170419	JP20140517667T	20120626
MX2013015201 A1	20140217	MX20130015201	20120626
MX344600 B	20161220	MX20130015201	20120626
US2014147386 AA	20140529	US20120128835	20120626
WO13000924 A1	20130103	WO2012EP62381	20120626

Probable Assignee: JANSSEN PHARMACEUTICA NV

Assignee(s):(std): ANDRES GIL JOSE IGNACIO ; BORMANS GUY MAURITS R ; BUIJNSTERS PETER JACOBUS JOHANNES ANTONIUS ; CELEN SOFIE JEANNE LEOPOLDINE ; JANSSEN PHARMACEUTICA NV ; DE ANGELIS MERI ; GUILLEMONT JEROME EMILE GEORGES ; ROMBOUTS FREDERIK JAN RITA ; JANSSEN PHARMACEUITCA NV ; CELENS SOFLEJEANNE LEOPOLDINE ; VLIEGEN MAARTEN ; TRABANCO SUAREZ ANDRES AVELINO ; VANHOOF GRETA CONSTANTIA PETER

Assignee(s): JANSSEN PHARMACHEUTICA NV ; JANSSEN PHARMACEUTICA NAAMLOZE VENNOOTSCHAP

Inventor(s):(std): ANDRES GIL JOSE IGNACIO ; BORMANS GUY MAURITS R ; BUIJNSTERS PETER JACOBUS JOHANNES ANTONIUS ; CELEN SOFIE JEANNE LEOPOLDINE ; DE ANGELIS MERI ; GUILLEMONT JEROME EMILE GEORGES ; ROMBOUTS FREDERIK JAN RITA ; TRABANCO SUAREZ ANDRES AVELINO ; VANHOOF GRETA CONSTANTIA PETER ; VLIEGEN MAARTEN ; VANHOOF GRETA ; TRABANCO SUAREZ ANDRES ; ROMBOUTS FREDERIK ; CELEN SOFIE ; BUIJNSTERS PETER ; BORMANS GUY ; ANGELIS MERI DE ; ANDRES GIL JOSE ; GUILLEMONT JEROME ; CELENS SOFLEJEANNE LEOPOLDINE

Inventor(s): GRETA CONSTANTIA PETER VANHOOF ; FREDERIK JAN RITA ROMBOUTS ; ANDRES AVELINO TRABANCO SUAREZ ; PETER JACOBUS JOHANNES ANTONIUS BUIJNSTERS ; MERI DE ANGELIS ; MAARTEN VLIEGEN ; JOSE IGNACIO ANDRES GIL ; JEROME EMILE GEORGES GUILLEMONT ; GUY MAURITS R BORMANS ; SOFIE JEANNE LEOPOLDINE CELEN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GARCIA PRIETO MARIA; LEHMANN MARIA ISABEL; KOBAYASHI SUMIKO; KATAYAMA EIJI; OHMORI NORIO; KOBAYASHI HIROSHI; JANSSEN PHARMACEUTICA NV

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC

LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4985 A61K31/5377 A61K45/06 A61K51/04 A61P25/00 A61P25/04 A61P25/14 A61P25/16 A61P25/18 A61P25/22 A61P25/24 A61P25/30 A61P25/32 A61P25/36 A61P3/04 A61P3/06 A61P3/10 C07D487/04 G01N33/60 (Advanced/Invention); A61P25/00 (Core/Invention)

CPC: A61K31/4985 A61K51/0463 A61K45/06 G01N33/60 C07D487/04

European class: C07D487/04

US class: 424/1.89 435/19 514/233.2 514/250 544/115 544/346

Classification Explorer

Cited documents: WO10138833 A1, WO10138833, WO10101230 A1, WO10097367 A1, US2012302564 AA, US2010160280 AA, US2009143367 AA, CN1122601 A, CN1066849 A,

Forward Citations: WO15164508, WO14139983, WO14118039, WO14019979, WO14001314, US9669035, US9540379, US9085584, JP2015522575, JP2014526453, EP3156405, CN104411312,

Abstract:
Source: US2014147386A The present invention relates to novel 1−aryl−4−methyl−[1,2,4]triazolo[4,3−a]−quinoxaline derivatives as inhibitors of phosphodiesterase 2 (PDE2) and to a lesser extent of phosphodiesterase 10 (PDE10) or as inhibitors of both, phosphodiesterases 2 and 10. The invention is also directed to pharmaceutical compositions comprising such compounds, to processes for preparing such compounds and compositions, and to the use of such compounds and compositions for the prevention and treatment of disorders in which PDE2 is involved, or disorders in which both PDE2 and PDE 10 are involved, such as neurological and psychiatric disorders, and endocrinological or metabolic diseases. The present invention also relates to radiolabelled compounds which may be useful for imaging and quantifying the PDE2 enzyme in tissues, using positron−emission tomography (PET). The invention is also directed to compositions comprising such compounds, to processes for preparing such compounds and compositions, to the use of such compounds and compositions for imaging a tissue, cells or a host, in vitro or in vivo and to precursors of said compounds.

0) KR101267778B – CUSTOMIZED BOCCIA MOUSE STICK

163) Family number: 53966647 (KR101267778B) © PatBase

Title: CUSTOMIZED BOCCIA MOUSE STICK

Priority: KR20120028342 20120320

Family:

Publication number	Publication date	Application number	Application date
KR101267778 B1	20130604	KR20120028342	20120320

Probable Assignee: KOREA NAZARENE UNIV IND ACADEMIC COOPERATION FOUNDATION

Assignee(s):(std)**:** KOREA NAZARENE UNIV IND ACADEMIC COOPERATION FOUNDATION

Assignee(s): KOREA NAZARENE UNIVERSITY INDUSTRY ACADEMIC COOPERATION FOUNDATION

Inventor(s):(std)**:** KIM SANG HO ; KWON HYUK SEONG ; LEE PYOUNG HO ; YOOK JU HYE ; YOUN SEUNG HO

International class (IPC 8–9): A61C5/14 A63B71/08 A63D3/02 (Advanced/Invention)

CPC: A63B71/08 A63D3/02

Classification Explorer

Cited documents: WO1144190, WO11144190 A1, KR100518774 B1, KR100518774, EP0016309, EP0001630 A1,

Abstract:
Source: KR101267778B PURPOSE: A customized boccia mouse stick is provided to be easily adjusted in an angle and length so that teeth and gum are prevented from being damaged by a silicone cover of a piece part. CONSTITUTION: A customized boccia mouse stick comprises a piece part(10) which is equipped on the side of a silicone cover, a first length adjusting part(20) which is equipped on the piece part and formed in a double structure for adjusting a length, an angle adjusting part(30) which is equipped on the first length adjusting part and rotates based on a certain angle, a second length part(40) which is equipped on the angle adjusting part and is formed in a double structure for adjusting a length and a holder(50) which is equipped on the second length adjusting part with a ball. The piece part is Y–formed to be equipped with the silicone cover on the side.

164) Family number: 54819136 (MX2011013603A) © PatBase

Title: FERMENTATIVE PROCESS OF PLANTS FOR OBTAINING EXTRACTS OF A HIGH ANTIFUNGAL AND ANTIOXIDANT POTENTIAL.

Priority: MX20110013603 20111215

Family:

Publication number	Publication date	Application number	Application date
MX2011013603 A1	20130618	MX20110013603	20111215

Probable Assignee: UNIV AUTONOMA DE COAHUILA

Assignee(s):(std)**:** UNIV AUTONOMA DE COAHUILA

Assignee(s): UNIVERSIDAD AUTONOMA DE COAHUILA

Inventor(s):(std)**:** DURAN LUIS VICTOR RODRIGUEZ ; GALINDO AIDE SAENZ ; GONZALEZ CRISTOBAL NOE AGUILAR ; HERRERA RAUL RODRIGUEZ ; JASSO THALIA ATHENAS SALINAS ; MOLINA ROMEO ROJAS ; MORALES MIGUEL ANGEL MEDINA ; AVILA GUILLERMO CRISTIAN GUADALUPE MARTINEZ ; TOLEDO HELIODORO DE LA GARZA ; VALDEZ JUAN ALBERTO ASCACIO ; ZAPATA MIGUEL ANGEL DE LEON

Inventor(s): CRISTOBAL NOE AGUILAR GONZALEZ ; RAUL RODRIGUEZ HERRERA ; ROMEO ROJAS MOLINA ; THALIA ATHENAS SALINAS JASSO ; JUAN ALBERTO ASCACIO VALDEZ ; LUIS VICTOR RODRIGUEZ DURAN ; MIGUEL ANGEL DE LEON ZAPATA ; MIGUEL ANGEL MEDINA MORALES ; GUILLERMO CRISTIAN GUADALUPE MARTINEZ AVILA ; HELIODORO DE LA GARZA TOLEDO ; AIDE SAENZ GALINDO

International class (IPC 8–9): C12P1/02 (Advanced/Invention)

Classification Explorer

Abstract:
Described is a process for fermenting the vegetable material of plants pertaining to the Mexican semidesert by means of a fungal strain of the Aspergillus genus, this with the purpose of obtaining natural extracts with a high antioxidant and antifungal potential in the agri–food sector, without toxic effects in living beings and the environment. In the present invention, the effectiveness of the extracts obtained from the fermented material of Flourencia cernua was evaluated, as well as the inhibition of phytopathogenic fungi and the antioxidant activity thereof. The fungal fermentation conditions were an initial humidity of 60 percent, pH of 5.5 and a temperature of 30 degrees centigrade during a period of 96 hours. The sampling of the fermented material was performed every 12 hours for being subsequently dried and the extracts obtained. The antioxidant activity was evaluated by the SPPH method; where the extract obtained at the 12 hours had the highest antioxidant activity, which was of 63 percent. The fermentati on helped to increase the fungal potential in both phytopathogenic microorganism at a concentration of 500 ppm. The present invention has shown that the fungal fermentation of plants from the Mexican semidesert was useful for increasing, in a great extent, the biological potential of the obtained extracts.

0) US2015208693A – METHOD OF FEEDING

165) Family number: 50776229 (US2015208693A)

© PatBase

Title: METHOD OF FEEDING

Priority:

AU20130202195	20130104	AU20150218557	20150828	GB20120000132	20120105
GB20120003868	20120306	GB20120011167	20120622	GB20120011166	20120622
US20120596944P	20120209	GB20120011169	20120622	GB20120011168	20120622
GB20120011170	20120622	US20130370578	20130104	WO2013CN000004	20130104

Family:

Publication number	Publication date	Application number	Application date
AR097125 AA	20160224	AR2013P100032	20130104
AU2013202195 AA	20130718	AU20130202195	20130104
AU2015218557 AA	20150917	AU20150218557	20150828
EA201491323 A1	20150430	EA20140091323	20130104
EP2800476 A1	20141112	EP20130733582	20130104
EP2800476 A4	20151230	EP20130733582	20130104
GB201200132 A0	20120215	GB20120000132	20120105
GB201203868 A0	20120418	GB20120003868	20120306
GB201211166 A0	20120808	GB20120011166	20120622
GB201211167 A0	20120808	GB20120011167	20120622
GB201211168 A0	20120808	GB20120011168	20120622
GB201211169 A0	20120808	GB20120011169	20120622
GB201211170 A0	20120808	GB20120011170	20120622
US2015208693 AA	20150730	US20130370578	20130104
WO13102430 A1	20130711	WO2013CN000004	20130104

Probable Assignee: DUPONT NUTRITION BIOSCIENCES APS

Assignee(s):(std)**:** DUPONT NUTRITION BIOSCI APS ; DUPONT NUTRITION BIOSCIENCES APS ; FROUEL STEPHANE ; GILBERT CEINWEN ; PLUMSTEAD PETER ; YU SHUKUN ; HAGEN KLAUS SCHULZE ; PERON ALEXANDRE ; WU GUANGBING ; DANISCO

Assignee(s): DANISCO A S

Inventor(s):(std)**:** ALEXANDRE PERON ; CEINWEN GILBERT ; FROUEL STEPHANE ; GILBERT CEINWEN ; GUANGBING WU ; HAGEN KLAUS SCHULZE ; PERON ALEXANDRE ; PETER PLUMSTEAD ; PLUMSTEAD PETER ; SCHULZE HAGEN KLAUS ; SHUKUN YU ; STEPHANE FROUEL ; WU GUANGBING ; YU SHUKUN

Agent(s): DAVIES COLLISON CAVE; HOULIHAN2; HOULIHAN²; HOULIHAN² PTY LTD; HARDING CHARLES THOMAS; LUNG TIN INT INTELLECTUAL PROPERTY AGENT LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A23C11/00 A23K1/00 A23K1/165 A23K1/18 A61K38/46 C12N9/16 (Advanced/Invention)

CPC: A61K38/465 A23K10/14 A23K20/168 A23K20/189 A23K40/20 A23K50/30 A23K50/60 A23K50/75 A23K50/80 A23K1/1653 C12N9/16

US class: 424/94.6 426/2

Classification Explorer

Cited documents: WO12110778 A2, WO10122532 A2, WO10022532 A2, WO09129489 A2, US2009155237 AA, EP2675287 A2, CN101381709 B, CN101381709 A, CN101063113 A,

Forward Citations: WO16149636, US9560866,

Abstract:
Source: US2015208693A A method of feeding is described. The method comprises feeding a mono−gastric animal with a feed, wherein said feed comprises a phytase, wherein said phytase results in an improvement in one or more of said animal's biophysical characteristics, especially when compared to the equivalent use of Peniophora lycii phytase and/or an E. coli phytase. In particular, the method results in an improvement in said animal's biophysical characteristics as a food source.

0) US2013309220A – COMPOSITIONS FOR TREATING MICROBIAL INFECTIONS ...

166) Family number: 55191074 (US2013309220A) © PatBase

Title: COMPOSITIONS FOR TREATING MICROBIAL INFECTIONS

Priority: US20120648776P 20120518 US20130872059 20130426

Family:

Publication number	Publication date	Application number	Application date
US2013309220 AA	20131121	US20130872059	20130426

Probable Assignee: MATALON RUEBEN

Assignee(s):(std)**:** MATALON RUEBEN

Inventor(s):(std)**:** MATALON RUEBEN

International class (IPC 8–9)**:** A61K31/7008 A61K38/47 (Advanced/Invention)

CPC: A61K38/47 A61K31/7008 A61K31/715 C12Y302/01017

US class: 424/94.61

Classification Explorer

Cited documents: US2007248652 AA,

Abstract:
Source: US2013309220A Certain embodiments are directed to methods of treating a condition associated with microbial infection in a subject having such a condition comprising administering to the subject a composition comprising an effective amount of (a) lysozyme and (b) N–acetyl glucosamine polymer.

0) US2015147384A – SUSTAINED DELIVERY OF MOLECULES USING PEPTIDE S...

167) Family number: 55312745 (US2015147384A) © PatBase

Title: SUSTAINED DELIVERY OF MOLECULES USING PEPTIDE SURFACTANTS AND USES THEREOF

Priority: US20120653782P 20120531 US20140546454 20141118 WO2013US43572 20130531

Family:

Publication number	Publication date	Application number	Application date
CA2874003 AA	20141118	CA20132874003	20130531
EP2854778 A1	20150408	EP20130797704	20130531
EP2854778 A4	20160330	EP20130797704	20130531
HK1203157 A1	20151023	HK20150103754	20150417
JP2015519374 T2	20150709	JP20150515229T	20130531
SG11201407696W A1	20141230	SG20141107696	20130531
US2015147384 AA	20150528	US20140546454	20141118
WO13181511 A1	20131205	WO2013US43572	20130531

Probable Assignee: MASSACHUSETTS INST TECHNOLOGY

Assignee(s):(std)**:** MASSACHUSETTS INST TECHNOLOGY

Assignee(s): ZHANG SHUGUANG ; KOUTSOPOULOS SOTIRIOS ; MASSACHUSETTS INST OF TECHNOLOGY ; MASSACHUSETTS INST OF TECHNOLOGYONE CAMBRIDGE CENTERKENDALL SQUAREROOM NE18–501CAMBRIDGEMA02142–1493US

Inventor(s):(std)**:** KOUTSOPOULOS SOTIRIOS ; ZHANG SHUGUANG

Inventor(s): ZHANG SHUGUANGUS ; KOUTSOPOULOS SOTIRIOSUS ; SHUGUANG ZHANG ; SOTIRIOS KOUTSOPOULOS

Agent(s): GOWLING LAFLEUR HENDERSON LLP; CHAPMAN PAUL WILLIAM; HODA MAHREEN CHAUDHRY ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/7088 A61K38/08 A61K47/42 A61K47/48 A61K9/107 A61K9/127 A61K9/14 A61K9/51 B82Y5/00 C07K1/00 (Advanced/Invention); A61K (Subclass/Invention)

CPC: A61K9/1075 A61K9/1273 A61K47/42 A61K9/5123 A61K31/7088 A61K38/08

US class: 424/450 424/489 514/44R

Classification Explorer

Cited documents: WO10024262 A1, WO10014903 A1, WO09018467 A2, WO08136820 A1, US2012021932 AA, US2009156427 AA, US2009069547 AA, US2006211615 AA, US2003176335 AA, JP2011126855 A2, JP2011012042 A2, JP2010222338 A2, JP2009539839 T2,

Forward Citations: US9700521,

Abstract:
Source: US2015147384A The present invention is directed to a drug delivery composition comprising a self–assembled nanostructure and biologically active molecule, wherein the nanostructure comprises surfactant peptides, and wherein the biologically active molecule is encapsulated in the nanostructure. The invention also encompasses methods of administering a biologically active molecule to a subject comprising administering the drug delivery composition and methods for the preparation of said composition.

0) KR101342861B – BOCCIA GAME DEVICE

168) Family number: 55357643 (KR101342861B) © PatBase

Title: BOCCIA GAME DEVICE

Priority: KR20120072325 20120703

Family:

Publication number	Publication date	Application number	Application date
KR101342861 B1	20131218	KR20120072325	20120703

Probable Assignee: HWANG JEONG HYEON

Assignee(s):(std)**:** HWANG JEONG HYEON

Inventor(s):(std)**:** HWANG JEONG HYEON

International class (IPC 8–9): A63F7/00 A63F7/22 (Advanced/Invention)

CPC: A63F7/24 A47B45/00 A63F7/0005 A63F9/0001 A63F2007/0011

Classification Explorer

Cited documents: KR20050072609, KR200228627 Y, KR100471342 B1,

Abstract:
Source: KR101342861B The present invention provides a boccia game device comprising: a drainpipe being able to move up and down to roll a ball by being formed slantly; a supporting part (20) to support the drainpipe to be able to rotate up and down and left and right; a fixing pole to support the bottom of the drainpipe by being connected to the supporting part; and a support (60) to support the supporting part. A rail part (70) is formed in the support, and a pair of slide plate (74) fixed by a bent part (73) and a connection hole (75) are installed at both sides of the rail part. A movement plate (71) is inserted into the slide plate by an insertion groove (72) and is combined to the slide plate to be able to move and rotate. The supporting part is fixed to the movement plate. According to the present invention, the drainpipe is constituted to move up and down and left and right, and the supporting part is constituted to move left and right on the support. Thus, a gamer can pitch a ball accurately to the desired position. That is, the supporting part supporting the drainpipe can move to the most side of the pitching area range and thus athletic performance can be improved by the widened pitching angle of the ball. And the supporting part supporting the drainpipe can move left and right simply and thus rapid game is possible.

169) Family number: 55480093 (US2015366873A) © PatBase

Title: COMBINATIONS COMPRISING PDE 2 INHIBITORS SUCH AS 1–ARYL–4–METHYL–[1,2,4]TRIAZOLO–[4,3–A]]QUINOXALINE COMPOUNDS AND PDE 10 INHIBITORS FOR USE IN THE TREATMENT OF NEUROLOGICAL OF METABOLIC DISORDERS

Priority: EP20120173681 20120626 EP20130731752 20130625 WO2013EP63244 20130625

Family:

Publication number	Publication date	Application number	Application date
AU2013283426 AA	20140103	AU20130283426	20130625
CA2872216 AA	20141030	CA20132872216	20130625
CN104411312 A	20150311	CN201380033555	20130625
EP2863909 A1	20150429	EP20130731752	20130625
HK1206250 A1	20160108	HK20150106810	20150717
JP2015522575 T2	20150806	JP20150519052T	20130625
RU2015101964 A	20160820	RU20150101964	20130625
US2015366873 AA	20151224	US20130410497	20130625
US9669035 BB	20170606	US20130410497	20130625
WO14001314 A1	20140103	WO2013EP63244	20130625

Probable Assignee: JANSSEN PHARMACEUTICA NV

Assignee(s):(std): JANSSEN PHARMACEUTICA NV ; JANSSEN PHARMACEUITCA NV

Assignee(s): LANGLOIS XAVIER JEAN MICHEL ; MEGENS ANTONIUS ADRIANUS HENDRIKUS PETRUS ; TRABANCO SUAREZ ANDRES AVELINO ; ROMBOUTS FREDERIK JAN RITA ; VANHOOF GRETA CONSTANTIA PETER ; JANSSEN PHARMACEUTICA NVTURNHOUTSEWEG 30B–2340BEERSEBE ; ANDRES GIL JOSE IGNACIO ; BUIJNSTERS PETER JACOBUS JOHANNES ANTONIUS ; DE ANGELIS MERI ; JANSSEN CILAG SA

Inventor(s):(std): ANDRS GIL JOS IGNACIO ; BUIJINSTERS PETER JACOBUS JOHANNES ANTONIUS ; BUIJNSTERS PETER JACOBUS JOHANNES ANTONIUS ; ANDRES GIL JOSE IGNACIO ; DE ANGELIS MERI ; LANGLOIS XAVIER JEAN MICHEL ; MEGENS ANTONIUS ADRIANUS HENDRIKUS PETRUS ; MERI DE ANGELIS ; ROMBOUTS FREDERIK JAN RITA ; TRABANCO SUAREZ ANDRES AVELINO ; TRABANCO SUREZ ANDRS AVELINO ; VANHOOF GRETA CONSTANTIA PETER

Inventor(s): VANHOOF GRETA CONSTANTIA PETERBE ; TRABANCO SUAREZ ANDRES AVELINOES ; ROMBOUTS FREDERIK JAN RITABE ; MEGENS ANTONIUS ADRIANUS HENDRIKUS PETRUSBE ; LANGLOIS XAVIER JEAN MICHELBE ; DE ANGELIS MERIDE ; ANDRES GIL JOSE IGNACIOES ; BUIJNSTERS PETER JACOBUS JOHANNES ANTONIUSBE

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; GARCIA PRIETO MARIA; KOBAYASHI SUMIKO; OHMORI NORIO; KOBAYASHI HIROSHI

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61K31/4709 A61K31/472 A61K31/4725 A61K31/4985 A61K31/5025 A61K31/517 A61K31/535 A61K31/5377 A61K45/00 A61K45/06 A61K51/00 A61P21/00 A61P25/00 A61P25/04 A61P25/18 A61P25/22 A61P25/28 A61P25/36 A61P3/00 A61P43/00 (Advanced/Invention); A61K A61P (Subclass/Invention)

CPC: A61K31/5377 A61K31/4709 A61K31/472 A61K31/4725 A61K31/517 A61K45/06 A61K2300/00

US class: 514/233.2

Classification Explorer

Cited documents: WO9634866 A1, WO9210498 A1, WO9210190 A1, WO9119497 A1, WO9015534 A1, WO14009305 A1, WO13034761 A1, WO13034755 A1, WO13000924 A1, WO12104293 A1, WO11110545 A1, WO11089400 A1, WO11059099 A1, WO11051342 A1, WO11051324 A1, WO11021520 A1, WO11013729 A1, WO10138833 A1, WO10119264 A1, WO10110277 A1, WO10108074 A2, WO10101230 A1, WO10098458 A1, WO10097367 A1, WO10088518 A2, WO10088368 A2, WO10084690 A1, WO10084425 A1, WO10069684 A1, WO10059838 A2, WO10059836 A1, WO10054253 A1, WO10048149 A2, WO10047279 A1, WO10036407 A2, WO10033906 A2, WO10018327 A1, WO10016005 A1, WO10011837 A1, WO10009155 A2, WO10002985 A1, WO09152072 A1, WO09146358 A1, WO09143156 A2, WO09126691 A1, WO09124653 A2, WO09117157 A1, WO09112679 A1, WO09108546 A1, WO09097233 A1, WO09086130 A1, WO09086123 A1, WO09081857 A1, WO09077334 A1, WO09061856 A1, WO09060197 A1, WO09037394 A2, WO09024585 A2, WO09023253 A2, WO09021990 A1, WO09017701 A2, WO09016560 A2, WO09016286 A2, WO09005675 A1, WO08156614 A2, WO08141079 A1, WO08138834 A1, WO08134553 A1, WO08133192 A1, WO08124153 A1, WO08121687 A2, WO08081910 A1, WO08079460 A2, WO08057402 A2, WO08030795 A2, WO08030579 A2, WO08003511 A1, WO07145921 A1, WO07087548 A2, WO07048779 A1, WO07013673 A1, WO07003386 A1, WO06102194 A1, WO06044509 A2, WO05047290 A2, WO05020885 A2, WO05020885 A1, WO05014599 A1, WO04103991 A1, WO04089416 A2, WO04087710 A1, WO04075846 A2, WO04035579 A1, WO04026877 A1, WO04017950 A2, WO0234748 A1, WO02066478 A1, US8859543 BB, US8716282 BB, US7674801 BB, US7666880 BB, US7622584 BB, US7576085 BB, US7572807 BB, US7563797 BB, US7557103 BB, US7511040 BB, US7504404 BB, US7491716 BB, US7417041 BB, US7405295 BB, US7393848 BB, US7348359 BB, US7320995 BB, US7312341 BB, US7306631 BB, US7259164 BB, US7244740 BB, US7196095 BB, US7189723 BB, US7186832 BB, US7186740 BB, US7186714 BB, US7148353 BB, US7132426 BB, US7105533 BB, US7078410 BB, US7078405 BB, US7074801 BA, US6992188 BA, US6992080 BB, US6936617 BB, US6900217 BB, US6855719 BA, US6844341 BB, US6806268 BB, US6777395 BB, US6589947 BA, US6403588 BA, US6352990 BA, US6248755 BA, US6245769 BA, US6054587 A, US5683998 A, US5559106 A, US5498774 A, US5486525 A, US5360796 A, US5317019 A, US5137876 A, US4713381 A, US4242513 A, US2012302564 AA, US2010160280 AA, US2010063068 AA, US2010029638 AA, US2010029633 AA, US2009325953 AA, US2009317361 AA, US2009270436 AA, US2009215818 AA, US2009209573 AA, US2009203732 AA, US2009176778 AA, US2009175852 AA, US2009156604 AA, US2009153035 AA, US2009143376 AA, US2009124625 AA, US2009054409 AA, US2009023737 AA, US2009005374 AA, US2008318975 AA, US2008305081 AA, US2008300242 AA, US2008255358 AA, US2008242862 AA, US2008221092 AA, US2008207634 AA, US2008167314 AA, US2008161341 AA, US2008113978 AA, US2008103136 AA, US2008102028 AA, US2008070894 AA, US2008045536 AA, US2008021217 AA, US2007219205 AA, US2007197507 AA, US2007185063 AA, US2007149535 AA, US2007117804 AA, US2007105864 AA, US2007099925 AA, US2007078136 AA, US2007049591 AA, US2007004736 AA, US2006258722 AA, US2006178367 AA, US2006154105 AA, US2006135517 AA, US2006100235 AA, US2006094699 AA, US2005288295 AA, US2005245520 AA, US2005234029 AA, US2005165232 AA, US2005079387 AA, US2005079176 AA, US2005031588 AA, US2004058938 AA, US2004014957 AA, US2003027820 AA, US2002049208 AA, US2001041673 AA, JP6247969 A2, JP2006509832 T2, JP2005343889 A2, JP2004002826 A2, JP2003313126 A2, JP2001057292 A2, JP2001006877 A2, IT1374954 B1, EP1293213 A1, EP0728759 A1, CN1122601 A, CN1066849 A, CL32122007, CL2007003212 A1, CA2668738 AA, CA2398956 AA,

Forward Citations: US9540379, US9085584,

Abstract:
Source: US2015366873A The present invention relates to combinations of phosphodiesterase 2 (PDE2) inhibitors with inhibitors of phosphodiesterase 10 (PDE10). In particular, the invention relates to combinations of 1−aryl−4−methyl−[1,2,4]triazolo[4,3−a]−quinoxaline derivatives which have been found to inhibit phosphodiesterase 2 (PDE2), with inhibitors of phosphodiesterase 10 (PDE10). Particular PDE10 inhibitors are selected from the group of MP−10, PQ−10, TP−10, papaverine, and the compounds disclosed in WO 2011/051324 and in WO 2011/110545. The invention is also directed to pharmaceutical compositions comprising such combinations, to processes for preparing such compositions, to the use of PDE2 inhibitors, in particular of 1−aryl−4−methyl−[1,2,4]triazolo[4,3−a]−quinoxaline derivatives for the potentiation of said PDE10 inhibitors, and to the use of said PDE10 inhibitors for the potentiation of the effect of said PDE2 inhibitors, in particular, 1−aryl−4−methyl−[1,2,4]triazolo[4,3−a]−quinoxaline derivatives, and to the use of such combinations and compositions for the prevention and treatment of disorders in which PDE2 and PDE10 are involved, such as neurological and psychiatric disorders, and endocrinological or metabolic diseases.

0) DE202013009792U1 – ANORDNUNG FUER EIN GESCHICKLICHKEITSSPIEL ARRA...

170) Family number: 55878190 (DE202013009792U1) © PatBase

Title: ANORDNUNG FUER EIN GESCHICKLICHKEITSSPIEL ARRANGEMENT FOR A SKILL GAME (Machine translation)

Priority: DE201320009792U 20131204

Family:

Publication number	Publication date	Application number	Application date
DE202013009792 U1	20140306	DE201320009792U	20131204

Probable Assignee: POETTER PHILIPP

Assignee(s):(std)**:** POETTER PHILIPP

Assignee(s): POETTER

International class (IPC 8–9)**:** A63F7/30 (Advanced/Invention)

CPC: A63F7/2409 A63F7/305 A63F2007/282 A63F7/0023 A63F7/28

Classification Explorer

Cited documents: US1953810, GB2150843, GB214912, DE9316135 U, DE804299, DE29709348 U1, DE29604628 U, DE29513071 U1,

Abstract:
Source: DE202013009792U1 Anordnung fuer ein Geschicklichkeitsspiel, aufweisend einen ersten Formkoerper mit wenigstens einer gekruemmten oder planen Laufflaeche und einen von dem ersten Formkoerper separaten zweiten Formkoerper oder Untergrund mit einer eine umlaufende Begrenzungslinie aufweisenden Fangflaeche fuer wenigstens einen dritten Formkoerper, vorzugsweise eine Kugel, dadurch gekennzeichnet, dass der kleinste Winkel, der von den durch die planen Durchschnittsflaechen der Laufflaeche und der Fangflaeche festgelegten Ebenen gebildet wird, ein Winkelmass von 0 degrees, 75 degrees oder einem Wert dazwischen aufweist und die Laufflaeche von dem kleinsten Winkel abgewandt ist. Arrangement for a game of skill, comprising a first Formkoerper with at least one curved or plane running surface and separate from the first Formkoerper second Formkoerper or subsoil with a one circumferential boundary line having Fangflaeche for at least one third Formkoerper, preferably a ball, characterized that the smallest angle formed by the planes defined by the plan Durchschnittsflaechen the running surface and the Fangflaeche, an angle measure of 0 degrees, 75 degrees or a value therebetween and the running surface facing away from the smallest angle.

0) DE102012019583A1 – HEBEVORRICHTUNG FUER EINE KUGEL LIFTING DEVICE...

171) Family number: 56196348 (DE102012019583A1) © PatBase

Title: HEBEVORRICHTUNG FUER EINE KUGEL LIFTING DEVICE FOR BALL, HAS RETENTION DEVICE THAT IS PROVIDED WITH SUPPORT ELEMENT TO FIX RING/LOOP AT HAND, WHEN RAISING BALL

Priority: DE201210019583 20121004

Family:

Publication number	Publication date	Application number	Application date
DE102012019583 A1	20140410	DE201210019583	20121004

Probable Assignee: TROEGER BASTIAN

Assignee(s):(std)**:** TROEGER BASTIAN

Inventor(s):(std)**:** REUNER FRANK ; TROEGER BASTIAN

International class (IPC 8–9): A63B71/00 (Advanced/Invention)

CPC: A63B47/001 A63B2209/08 A63B2243/0062 A63B37/0098 A63B47/02

Classification Explorer

Abstract:
Source: DE102012019583A1 Aus dem bekannten Stand der Technik sind Hilfsmittel zum Aufheben von Boule–, Boccia–, Petanquekugeln bekannt, an welchen einen Magnet mit einer Leine (Schnur) versehen zum Aufheben der Kugeln benutzt werden. Der Nachteil beim bekannten Stand der Technik besteht im Aufbewahren benutzen verstauen der Leine (Schnur) nach erfolgtem Aufheben der Kugel. Die Erfindung hat sich die Aufgabe gestellt die bekannten Nachteile des Standes der Technik zu verbessern und eine besser Loesung zum verstauen der Aufhebevorrichtung zu entwickeln. Um eine bessere Moeglichkeit zum verstauen des Kugelaufhebers zu ermoeglichen, wird die Leine in der Haltevorrichtung mit Hilfe einer Federkraft in einem Gehaeuse aufgerollt. Dadurch kann der Kugelaufheber leicht, nach Gebrauch, in der Hosentasche verstaut werden oder mit Hilfe eines Clips beispielsweise an der Hose oder am Guertel befestigt werden. Bei erneuter Verwendung wird die Hebevorrichtung wieder hervorgeholt und die Leine ausgezogen, so das eine weitere Kugel gehoben werden kann. Die Hebevorrichtung eignet sich Vorrangig zum Aufheben von Kugeln bei Boule, Boccia oder Petanque Spielen. Sie kann alternativ aber auch in anderen Bereichen verwendet werden in welchen das Auf– oder Anheben von Metallischen Gegenstaenden erforderlich ist. The lifting device has a cord/string/band that is fixed with a magnet adhering with a ball. Specific end of the cord/string/band is provided with a retention device. The retention device is provided with a support element to fix a ring/loop at the hand, when raising the ball. The retention device is secured at the belt or pant tape for transportation over a clamp/clip/magnet or carbine.

172) Family number: 56335583 (ITTO20120182U) © PatBase

Title: ELEMENTO DI RIEMPIMENTO PER UNA BOCCIA DA GIOCO FILLING ELEMENT FOR A BOWL GAME FROM (Machine translation)

Priority: IT2012TO00182U 20121030

Family:

Publication number	Publication date	Application number	Application date
ITTO20120182 U1	20140501	IT2012TO00182U	20121030

Probable Assignee: LINEA FUTURA DI BALDO DEBORAH

Assignee(s):(std)**:** LINEA FUTURA DI BALDO DEBORAH

Inventor(s):(std)**:** BALDO RENATO ; TARABELLA PIERO

0) US2014206002A – METHODS OF DIAGNOSING BREAST CANCER

173) Family number: 56944700 (US2014206002A) © PatBase

Title: METHODS OF DIAGNOSING BREAST CANCER

Priority: US20130753724P 20130117 US20140157698 20140117

Family:

Publication number	Publication date	Application number	Application date
US2014206002 AA	20140724	US20140157698	20140117

Probable Assignee: TRUSTEES OF UNIV OF PENNSYLVANIA

Assignee(s):(std)**:** UNIV PENNSYLVANIA

Assignee(s): NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; TRUSTEES OF UNIV OF PENNSYLVANIA

Inventor(s):(std)**:** GREENBERG ROGER A ; PYLKAS KATRI ; SOLYOM SZILVIA ; WINQVIST ROBERT

International class (IPC 8–9)**:** C12Q1/68 (Advanced/Invention)

CPC: C12Q1/6886 C12Q2600/156

US class: 435/6.11 536/23.5

Classification Explorer

Cited documents: US5846727 A,

Abstract:
Source: US2014206002A The disclosed subject matter is based on the discovery that a mutation (a single nucleotide polymorphism or "SNP") in the gene encoding Abraxas (also referred to as ABRA1, CCDC98 or FAM175A), is associated with susceptibility to cancer, e.g., breast cancer. In particular, the disclosed subject matter is based on the identification of a heterozygous alteration in the Abraxas gene that is associated with breast cancer and specifically correlated with familial cancer. Accordingly, the SNP disclosed herein is useful for diagnosing, prognosing, screening for, and evaluating predisposition to cancer in humans. The disclosed subject matter also provides nucleic acid molecules containing the SNP, methods and reagents for the detection of the SNP, and assays or kits for detection of the SNP.

0) US2016001152A – CURLING STONE

174) Family number: 57220208 (US2016001152A) © PatBase

Title: CURLING STONE

Priority: DE201310002869 20130220 DE201310013678 20130813 DE201410202981 20140219 WO2014EP53169 20140219

Family:

Publication number	Publication date	Application number	Application date
CA2902035 AA	20150820	CA20142902035	20140219
CN105377377 A	20160302	CN201480021596	20140219
DE102013013678 A1	20140821	DE201310013678	20130813
DE102014202981 A1	20140821	DE201410202981	20140219
EP2958644 A1	20151230	EP20140705185	20140219
JP2016513990 T2	20160519	JP20150558427T	20140219
KR20150118187 A	20151021	KR20157025248	20140219
RU2015139721 A	20170327	RU20150139721	20140219
US2016001152 AA	20160107	US20140768965	20140219
WO14128134 A1	20140828	WO2014EP53169	20140219

Probable Assignee: CERAMTEC ETEC GMBH

Assignee(s):(std)**:** CERAMTEC ETEC GMBH

Assignee(s): HOPPERT HANS GEORG ; KROPP EDUARD ; SCHNETTER LARS

Inventor(s):(std)**:** HOPPERT HANS GEORG ; KROPP EDUARD ; SCHNETTER LARS

Agent(s): ROBIC; UPPENA FRANZ

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A63B67/14 C04B35/00 C04B37/00 C04B37/02 C04B37/04 (Advanced/Invention)

CPC: A63B2209/00 A63B2067/14 A63B67/14

US class: 473/587

Classification Explorer

Cited documents: US5566938 A, US3188088 A, GB2377650 A1, GB1286050 A, CN201643602 U, CN201609575 U, CH686070, CA2265271 AA, CA2006801 AA,

Forward Citations: KR101735426,

Abstract:
Source: US2016001152A A curling stone (10) having a running surface (28) is made of a ceramic material. The curling stone (10) has a base body (12) and at least one insert part (14) connected therewith, and the running surface (28) is formed on the insert part (14) made of ceramic material. The insert part (14) is bonded to the base body (12) by material–fit and/or form–fit and/or force–fit connection.

0) DE102013008624A1 – SPIELKUGEL–HEBER GAME BALL STAND (MACHINE TR...

175) Family number: 57880574 (DE102013008624A1) © PatBase

Title: SPIELKUGEL–HEBER GAME BALL STAND (Machine translation)

Priority: DE201310008624 20130521

Family:

Publication number	Publication date	Application number	Application date
DE102013008624 A1	20141127	DE201310008624	20130521

Probable Assignee: SCHLUETER CHRISTIANE

Assignee(s):(std)**:** SCHLUETER CHRISTIANE ; SCHLUETER DIEDRICH ; SCHLUETER OLIVER

Inventor(s):(std)**:** SCHLUETER CHRISTIANE ; SCHLUETER DIEDRICH ; SCHLUETER OLIVER

International class (IPC 8–9): A63B47/02 (Advanced/Invention)

CPC: A63B47/02 A63B67/066 A63B2209/08 A63B2225/68 A63B2243/0062 A63D5/02

Classification Explorer

Cited documents: US5462326, US1723709, DE202012101178 U, DE19514011,

Abstract:
Source: DE102013008624A1 Spielkugel–Heber (1), welcher einen Greifkoerper (2) mit einem daran befestigten Zugorgan (3) aufweist, dadurch gekennzeichnet, dass das Zugorgan (3) an seinem dem Greifkoerper (2) abgewandten Ende mit einer als Griffstueck–Gehaeuse (5) ausgebildeten Hebevorrichtung verbunden ist, mit der eine an dem Greifkoerper (2) befestigte Spielkugel bis zur gewuenschten Hoehe angehoben oder herabgelassen werden kann, wobei die Hebevorrichtung manuell oder elektrisch betrieben werden kann und das Griffstueck–Gehaeuse (5) eine Trage– und Aufhaenge–Vorrichtung (14; 15; 18; 19) besitzt. Game Ball Lifter (1) having a Greifkoerper (2) with an attached drawing member (3), characterized in that the tension member (3) at its the Greifkoerper (2) remote end with one as Griffstueck–Gehaeuse (5) formed lifting device is connected, can be raised or lowered with the one on the Greifkoerper (2) fixed game ball to the desired height, the lifting device can be operated manually or electrically and the Griffstueck–Enclosures (5) supporting and suspension device (14; 15; 18; 19) .

176) Family number: 58192731 (ITMC20130035A) © PatBase

Title:	BOCCIA COLORATA E PROCEDIMENTO PER LA REALIZZAZIONE DELLA STESSA BOCCIA COLORED AND PROCEDURE FOR MAKING THE SAME (Machine translation)
Priority:	IT2013MC00035 20130701

Family:

Publication number	Publication date	Application number	Application date
ITMC20130035 A1	20150102	IT2013MC00035	20130701

Probable Assignee:	PETRINI ANGELO
Assignee(s):(std)	PETRINI ANGELO ; RUGGERI MASSIMO ; TOSTI ANTONIO
Inventor(s):(std)	PETRINI ANGELO ; RUGGERI MASSIMO ; TOSTI ANTONIO
CPC:	A63B37/0098 A63B37/00 A63B43/008 A63B45/00
Cited documents:	WO08114293, WO02056975, US4142720,

0) FR3009971A – DISPOSITIF POUR LE LACHER ET LE GUIDAGE D'UNE B...

177) Family number: 58692271 (FR3009971A) © PatBase

Title:	DISPOSITIF POUR LE LACHER ET LE GUIDAGE D'UNE BALLE POUR LA PRATIQUE DE LA BOCCIA DEVICE FOR LETTING GO AND GUIDANCE FOR BALL PRACTICE BOCCIA (Machine translation)
Priority:	FR20130002042 20130903

Family:

Publication number	Publication date	Application number	Application date
FR3009971 A3	20150306	FR20130002042	20130903

Probable Assignee:	DUMONTET JEAN FRANCOIS
Assignee(s):(std)**:**	DUMONTET JEAN FRANCOIS
Assignee(s):	JEAN FRANCOIS DUMONTET
Inventor(s):(std)**:**	DUMONTET JEAN FRANCOIS
Inventor(s):	JEAN FRANCOIS DUMONTET
Agent(s):	JEAN FRANCOIS DUMONTET
International class (IPC 8–9):	A63B65/12 (Advanced/Invention)
CPC:	A63B67/066 A63B2210/50 A63B2210/58 A63B2225/09 A63B2225/093

Classification Explorer

Abstract:
Source: FR3009971A Une rampe telescopique reglable constituee d'un premier element servant de point de depart pour la balle (1), puis d'un second element (2) permettant la fixation sur un support reglable type trepied (7), d'un troisieme element (3) prolongeant le trajet de la balle (8) et en option d'un quatrieme element (4) permettant d'accompagner au maximum la balle lui permettant un contact au sol sans chute. Le premier element (1) est equipe d'un systeme mecanique (5) de lacher de balle. L'ensemble de ces elements sont fixes par l'intermediaire du sixieme element (6) a un support reglable type trepied (7). Adjustable telescoping ramp constituted a first element used as starting point for the bullet (1), then a second element (2) for attachment to an adjustable tripod kind support (7), a third element (3) extending the path of the ball (8) and an optional fourth element (4) to accompany the ball for maximum ground contact him without falling. The first element (1) is equipped with a mechanical system (5) let go of the ball. All these items are fixed through the intermediary of the sixth element (6) has an adjustable tripod–type support (7).

178) Family number: 58695421 (WO15035405A1) © PatBase

Title: MYOSTATIN ANTAGONIST FOR TREATMENT OF PEW IN ESRD PATIENTS

Priority: US20130875609P 20130909

Family:

Publication number	Publication date	Application number	Application date
TW201601741 A	20160116	TW20140131076	20140909
WO15035405 A1	20150312	WO2014US54824	20140909

Probable Assignee: PINTA BIOTHERAPEUTICS INC

Assignee(s):(std)**:** PINTA BIOTHERAPEUTICS INC

Inventor(s):(std)**:** CIECHANOVER ISAAC ; HAQQ CHRISTOPHER MICHAEL ; SOFFER GAD

Agent(s): HUBL SUSAN T ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01N61/00 A61K31/00 A61K38/00 C07K1/00 C07K14/00 C07K14/475 C07K17/00 (Advanced/Invention)

CPC: C07K2319/30 C07K14/00 A61K38/00 A23L33/18

Classification Explorer

Cited documents: US2013230515 AA, US2011113863 AA, US2009258830 AA, US2007243563 AA, US2006140934 AA, EP2594288 A1,

Forward Citations: EP2968463,

Abstract:
Disclosed are methods of treating or modulating protein energy wasting (PEW) in an ESRD patient by administration of a myostatin antagonist.

0) DE102013016283B4 – WURFBALL

179) Family number: 58859966 (DE102013016283B4) © PatBase

Title: WURFBALL

Priority: DE201310016283 20131002

Family:

Publication number	Publication date	Application number	Application date
DE102013016283 A1	20150402	DE201310016283	20131002
DE102013016283 B4	20150507	DE201310016283	20131002

Probable Assignee: BEELOW TIMO

Assignee(s):(std)**:** BEELOW TIMO

Inventor(s):(std)**:** BEELOW TIMO

International class (IPC 8–9)**:** A63B37/06 (Advanced/Invention)

CPC: A63B37/06 A63B37/12 A63B67/066 A63B71/04 A63B2243/0062

Classification Explorer

Cited documents: DE202007004361 U1

Forward Citations: DE202014010082, DE102014019142,

Abstract:
Source: DE102013016283B4 Die Erfindung betrifft unter anderem einen Wurfball (10), gebildet aus einem sackartigen, im Wesentlichen kugelfoermigen Behaeltnis (11) mit einem Aussendurchmesser (A) zwischen 3 und 15 cm, welches lediglich partiell, unter Belassung eines Ausweichraumes (12), mit einem Granulat (13) befuellt ist, wobei das Behaeltnis eine flexible Huelle (14) aufweist, die unterschiedliche Raumformen einnehmen kann. Die Besonderheit der Erfindung besteht unter anderem darin, dass die Huelle (14) auf ihrer Aussenseite (15) bereichsweise mit einer Gummierung (16, 16a, 16b, 16c) besetzt ist.

0) DE102014019142B3 – SPIEL–SYSTEM GAME SYSTEM (MACHINE TRANSLATIO...

180) Family number: 60683723 (DE102014019142B3) © PatBase

Title: SPIEL–SYSTEM Game system (Machine translation)

Priority: DE201410019142 20141223

Family:

Publication number	Publication date	Application number	Application date
DE102014019142 B3	20151029	DE201410019142	20141223

Probable Assignee: BEELOW TIMO

Assignee(s):(std)**:** BEELOW TIMO

Inventor(s):(std)**:** BEELOW TIMO

International class (IPC 8–9): A63B37/08 (Advanced/Invention)

CPC: A63B37/08 A63B43/002 A63B43/008 A63B67/066 A63B2037/082 A63B2071/0694

Classification Explorer

Cited documents: DE102013016283 A1

Abstract:
Source: DE102014019142B3 Die Erfindung betrifft unter anderem ein Spiel–System, umfassend die folgenden Elemente: a) eine erste Gruppe (17) von Wurfbaellen (10a, 10b, 10c), b) eine zweite Gruppe (18) von Wurfbaellen (15a, 15b, 15c), c) einen einzelnen Marker (16) in Form eines Wurfballes, d) eine Vielzahl von Informationstraegerelementen (19a, 19b, 19c) in Form von Informationskarten im Wesentlichen rechteckiger Grundform und identischer Abmessungen. The invention relates, inter alia, a game system, comprising the following elements: a) a first group (17) of Wurfbaellen (10a, 10b, 10c), b) a second group (18) of Wurfbaellen (15a, 15b, 15c), c) a single marker (16) in the form of throwing the ball, d) a plurality of Informationstraegerelementen (19a, 19b, 19c) in the form of information cards substantially rectangular shape and identical dimensions.

181) Family number: 61125655 (US2017114196A) © PatBase

Title: COMBINED MATERIAL SYSTEM FOR ION EXCHANGE MEMBRANES AND THEIR USE IN ELECTROCHEMICAL PROCESSES

Priority: DE201410009170 20140612 WO2015DE000294 20150612

Family:

Publication number	Publication date	Application number	Application date
DE102014009170 A1	20151217	DE201410009170	20140612
EP3155674 A2	20170419	EP20150763190	20150612
US2017114196 AA	20170427	US20150318225	20150612
WO15188806 A2	20151217	WO2015DE000294	20150612
WO15188806 A3	20160204	WO2015DE000294	20150612

Probable Assignee: STUTTGART UNIV

Assignee(s):(std)**:** HAERING THOMAS ; STUTTGART INST F CHEMISCHE VERFAHRENSTECHNIK UNIV ; STUTTGART UNIV

Assignee(s): STUTTGART INSTITUT F CHEMISCHE VERFAHRENSTECHNIK UNIV

Inventor(s):(std)**:** HAERING THOMAS ; KERRES JOCHEN ; MORANDI CARLO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B01D71/00 B01D71/06 B01D71/30 B01D71/62 C08J3/24 C08J5/22 C25B13/08 H01M2/14 H01M2/16 H01M8/00 H01M8/10 H01M8/1027 H01M8/1032 H01M8/1034 H01M8/1039 (Advanced/Invention)

CPC: H01M8/1018 H01M8/103 H01M8/1081 H01M8/1088 Y02P70/56 B01D71/76 B01D2325/42 C08J2379/08 C08J2425/04 C08J2471/10 C08J5/2262 B01D71/62 C25B13/08 B01D2325/40 C08J2379/04 C08J2471/12 C08J2481/06 C08J2381/06 C08J2479/04 C08J2371/12 C08J2371/10 C08J3/246 C08J5/2256 H01M2/145 H01M2/1653 H01M8/1027 H01M8/1032 H01M8/1034 H01M8/1039

US class: 429/493

Classification Explorer

Cited documents: CN102731811 A,

Abstract:
Source: US2017114196A Described is a method for producing covalently and/or ionically cross–linked blend membranes from a halomethylated polymer, a polymer comprising tertiary N–basic groups, preferably polybenzimidazole, and, optionally, a polymer comprising cation exchanger groups such as sulfonic acid groups or phosphonic acid groups. The membranes can be tailor–made in respect of the properties thereof and are suitable, for example, for use as cation exchanger membranes or anion exchanger membranes in low–temperature fuel cells or low–temperature electrolysis or in redox flow batteries, or–when doped with proton conductors such as phosphoric acid or phosphonic acid–for use in medium–temperature fuel cells or medium–temperature electrolysis.

0) US2016067236A – MEDICAL TREATMENTS BASED ON ANAMORELIN

182) Family number: 61841879 (US2016067236A) © PatBase

Title: MEDICAL TREATMENTS BASED ON ANAMORELIN

Priority: US20140045976P 20140904 US20150839038 20150828 WO2015US47435 20150828

Family:

Publication number	Publication date	Application number	Application date
AP201709772 A0	20170228	AP20170009772	20150828
AR103118 AA	20170419	AR2015P102818	20150903
AU2015312231 AA	20160310	AU20150312231	20150828
CA2959158 AA	20170223	CA20152959158	20150828
EA201790352 A1	20170731	EA20170090352	20150828
EP3188599 A1	20170712	EP20150838548	20150828
IL250692 A0	20170430	IL20150250692	20150828
IN201727011819 A	20170602	IN201727011819	20170331
KR20170047372 A	20170504	KR20177008748	20150828
MD20170025 A2	20170731	MD20170000025	20150828
PH2017500392 A	20170717	PH20170500392	20170302
SG11201701567U A1	20170330	SG20171101567	20150828
SV2017005400 A	20170420	SV20170005400	20170303
TW201613587 A	20160416	TW20150128838	20150901
US2016067236 AA	20160310	US20150839038	20150828
US9675600 BB	20170613	US20150839038	20150828
UY36286 A1	20160229	UY20150036286	20150902
WO16036598 A1	20160310	WO2015US47435	20150828

Probable Assignee: HELSINN HEALTHCARE SA

Assignee(s):(std)**:** ALLEN SUZAN ; BARONI ENRICO ; DUUS ELIZABETH ; FRIEND JOHN ; HELSINN HEALTHCARE SA ; POLVINO WILLIAM ; LU MING ; MANN WILLIAM ; GIORGINO RUBEN

Inventor(s):(std)**:** ALLEN SUZAN ; BARONI ENRICO ; DUUS ELIZABETH ; ELIZABETH DUUS ; FRIEND JOHN ; GIORGINO RUBEN ; JOHN FRIEND ; LU MING ; MANN WILLIAM ; MING LU ; POLVINO WILLIAM ; SUZAN ALLEN ; WILLIAM MANN ; WILLIAM POLVINO

Agent(s): K AND L GATES; SMART AND BIGGAR; ZARDI MARCO; CLARK; SULLIVAN CLARK

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A01N43/40 A1N43/40 A61K A61K31/00 A61K31/454 A61K38/05 A61P21/00 A61P25/00 A61P3/00 A61P35/00 A61P5/02 C07K5/062 (Advanced/Invention);
A61P35/00 (Advanced/Non–invention);
A61K (Subclass/Invention)

CPC: A61K31/454 A61K31/00

US class: 514/323

Classification Explorer

Cited documents: WO16036598 A1, WO13175805 A1, WO13158874 A1, WO08124183 A1, WO05014032 A2, US8394833 BB, US8288427 BB, US7994329 BB, US6303620 BA, US2008300194 AA, US2008207640 AA, US2007004638 AA, US2005261201 AA,

Forward Citations: US9675600,

Abstract:
Source: US2016067236A Methods of treating cancer related conditions using anamorelin are described.

183) Family number: 62236731 (DE202014010082U1) © PatBase

Title: SPIEL–SYSTEM GAME SYSTEM (Machine translation)

Priority: DE201420010082U 20141223

Family:

Publication number	Publication date	Application number	Application date
DE202014010082 U1	20160504	DE201420010082U	20141223

Probable Assignee: BEELOW TIMO

Assignee(s):(std)**:** BEELOW TIMO

Assignee(s): BEELOW

International class (IPC 8–9): A63B37/08 (Advanced/Invention)

CPC: A63B43/04 A63B67/06 A63B2067/065 A63B2071/0602 A63B2071/0694 A63B2209/00

Classification Explorer

Cited documents: DE102013016283 A1

Abstract:
Source: DE202014010082U1 Spiel–System, umfassend die folgenden Elemente: a) eine erste Gruppe (17) von Wurfbaellen (10a, 10b, 10c), die jeweils von einem sackartigen, im wesentlichen kugelfoermigen, mit Granulat gefuelltem Behaeltnis mit einem Aussendurchmesser (D1) zwischen 3 cm und 15 cm gebildet sind, welches zur Erzielung unterschiedlicher Raumformen eine flexible Huelle (11) aufweist, wobei auf der Aussenseite der Huelle ein erstes Design–Unterscheidungsmerkmal (22) angeordnet ist, das bei allen Wurfbaellen dieser Gruppe identisch ausgebildet ist, b) eine zweite Gruppe (18) von Wurfbaellen (15a, 15b, 15c), die jeweils von einem sackartigen, im wesentlichen kugelfoermigen, mit Granulat gefuelltem Behaeltnis mit einem Aussendurchmesser (D2) zwischen 3 cm und 15 cm gebildet sind, welches zur Erzielung unterschiedlicher Raumformen eine flexible Huelle (11) aufweist, wobei auf der Aussenseite der Huelle ein zweites, sich von dem ersten Design–Unterscheidungsmerkmal (23) unterscheidendes Design–Unterscheidungsmerkmal angeordnet ist, das bei allen Wurfbaellen dieser Gruppe identisch ausgebildet ist, c) ein einzelner Marker (16) in Form eines Wurfballes, der von einem sackartigen, im wesentlichen kugelfoermigen, mit Granulat gefuelltem Behaeltnis mit einem Aussendurchmesser (D3) gebildet ist, der geringer ist als der Aussendurchmesser der Wurfbaelle der ersten Gruppe und der Aussendurchmesser der Wurfbaelle der zweiten Gruppe, wobei der Marker zur Erzielung unterschiedlicher Raumformen eine flexible Huelle aufweist, auf deren Aussenseite ein drittes, sich von den ersten beiden Design–Unterscheidungsmerkmalen unterscheidendes Design–Unterscheidungsmerkmal angeordnet ist, d) eine Vielzahl von Informationstraegerelementen (19a, 19b, 19c) in Form von Informationskarten im Wesentlichen rechteckiger Grundform und identischer Abmessungen, wobei eine Informationskarte eine Laenge (L) zwischen 5 cm und 22 cm und eine Breite (B) zwischen 3 cm und 12 cm aufweist, und eine Wandstaerke (W) zwischen 0,01 und 3 mm besitzt, wobei die Informationskarten aus einem Material, wie Karton, Pappe, oder vergleichbarem Material bestehen, und jeweils eine Vorderseite (21) und eine Rueckseite (20) aufweisen, wobei die Vorderseite der Vielzahl der Karten gleich gehalten ist, und die Rueckseiten der Karten unterschiedliche Informationen (24a, 24b) aufweisen, die sich jeweils auf die Wurfbaelle (10a, 10b, 10c) der ersten Gruppe (17) oder auf die Wurfbaelle (15a, 15b, 15c) der zweiten Gruppe (18) oder auf den Marker (16) beziehen. Game system, comprising the following elements: a) a first group (17) of Wurfbaellen (10a, 10b, 10c), each of a baggy, substantially spherical, they were full with granulate container with an outer diameter (D1) are formed between 3 cm and 15 cm, which for achieving different spatial forms having a flexible sheath (11), wherein on the outside of the casing, a first design differentiator (22) is arranged, which is formed identical in all Wurfbaellen this group, b) a second group (18) of Wurfbaellen (15a, 15b, 15c), the D2) are formed between 3 cm and 15 cm respectively from a baggy, substantially spherical, they were full with granulate container with an outer diameter (which to achieve different forms of space having a flexible sheath (11), wherein on the outside of the casing a second, from the first design distinguishing feature (23) distinguishing design distinguishing feature is arranged, which is formed identical in all Wurfbaellen this group, c) a single markers (16) is formed in the shape of a throw the ball, the of a baggy, substantially spherical, they were full with granulate container with an outer diameter (D3), which is less than the outer diameter of Wurfbaelle the first group and the outside diameter of Wurfbaelle the second group wherein the marker to obtain different forms of space, a flexible sheath having, on the outside of a third, that differs from the first two design differentiators design distinguishing feature is arranged, d) a plurality of Informationstraegerelementen (19a, 19b, 19c) in the form of information cards having substantially rectangular shape and identical dimensions, with an information card, a length (L) between 5 cm and 22 cm and a width (B) of between 3 cm and 12 cm, and a Wall Thickness (W) between 0.01 and 3 mm possesses, wherein the information cards made of a material, such as cardboard, pasteboard, or similar material, and each having a front face (21) and a back (20), wherein the front side of the plurality of the cards is kept the same, and the Rueckseiten the card different information (24a, 24b) which in each case on the Wurfbaelle (10a, 10b, 10c) of the first group (17) or on the Wurfbaelle (15a, 15b, 15c) of the second group (18) or on the marker (16) refer.

0) DE202016002325U1 – MESSEINRICHTUNG MEASURING DEVICE (MACHINE TR...

184) Family number: 62652951 (DE202016002325U1) © PatBase

Title: MESSEINRICHTUNG MEASURING DEVICE (Machine translation)

Priority: DE201620002325U 20160409

Family:

Publication number	Publication date	Application number	Application date
DE202016002325 U1	20160616	DE201620002325U	20160409

Probable Assignee: KREIKENBOHM ROBERT

Assignee(s):(std)**:** KREIKENBOHM ROBERT

Assignee(s): KREIKENBOHM

International class (IPC 8–9)**:** A63B67/00 G01B5/14 (Advanced/Invention)

CPC: G01B3/1084 G01B2003/1048 G01B2003/1074 G01B5/14 A63B67/068 A63B2243/0058 A63B2243/0062

Classification Explorer

Cited documents: GB253421 A, GB2331369 A1,

Abstract:
Source: DE202016002325U1 Messeinrichtung zum Messen des Abstandes zwischen einer Ziel– und einer geworfenen Spielkugel beim Boule–, Boccia– oder Petanque–Spiel, gekennzeichnet durch ein Basisteil (1) mit einem Handgriff (2), dem ein Boden (3) und ein Deckel (4) zugeordnet ist, der ein verlaengertes Seitenteil (5) aufweist, in dem eine oeffnung (7) eingebracht ist, in die ein Bandmass (8) drehbeweglich einsetzbar ist.
Measuring device for measuring the distance between a target and a thrown match ball at boules, boccia or petanque game, characterized by a base part (1) with a handle (2) to which a bottom (3) and a lid (4) is assigned which has an extended side portion (5), in which an opening (7) is introduced, in which a measuring tape (8) is rotatably inserted.

0) ES1162587Y – RAMPA DE LANZAMIENTO AUTODIRIGIDA

185) Family number: 63181716 (ES1162587Y) © PatBase

Title: RAMPA DE LANZAMIENTO AUTODIRIGIDA

Priority: ES20160030723U 20160602

Family:

Publication number	Publication date	Application number	Application date
ES1162587 UA	20160811	ES20160030723U	20160602
ES1162587 Y1	20161102	ES20160030723U	20160602

Probable Assignee: UNIV ALICANTE

Assignee(s):(std)**:** UNIV ALICANTE

Assignee(s): UNIVERSIDAD DE ALICANTE

Inventor(s):(std)**:** CAUS PERTEGAZ NURIA ; ROMERO MURCIA IVAN

Inventor(s): IVAN ROMERO MURCIA ; NURIA CAUS PERTEGAZ

International class (IPC 8–9): A63B47/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1162587U 1. Rampa de lanzamiento autodirigida para personas con alto grado de disfuncion locomotriz que comprende los elementos: – rampa de lanzamiento, – soporte de bolas, y – sistema de union entre la rampa de lanzamiento y el soporte de bolas; que permite la realizacion de un lanzamiento rodado autonomo, sin necesidad de una persona auxiliar y permite a la persona decidir y ejecutar la direccionalidad del lanzamiento. 1. ramp of launch self–directed for people with high grade of dysfunction locomotor that includes them elements:–ramp of launch,–support of balls, and –system of union between the ramp of launch and the support of balls; that allows the realization of a launch rolled autonomous, without need of a person auxiliary and allows to the person decide and run the directionality of the launch.

0) AT517316A – TRANSPORTBEHAELTER FUER MINDESTENS EINEN BALL ...

186) Family number: 64445389 (AT517316A) © PatBase

Title: TRANSPORTBEHAELTER FUER MINDESTENS EINEN BALL TRANSPORT CONTAINER FOR AT LEAST A BALL (Machine translation)

Priority: AT20150000350 20150605

Family:

Publication number	Publication date	Application number	Application date
AT517316 A1	20161215	AT20150000350	20150605

Probable Assignee: MABEL BADUC GIBAJA PACHECO

Assignee(s):(std)**:** MABEL BADUC GIBAJA PACHECO ; MARTIN KUNZE

Inventor(s):(std)**:** MABEL BADUC GIBAJA PACHECO ; MARTIN KUNZE

International class (IPC 8–9)**:** A63B47/00 (Advanced/Invention)

CPC: A63B47/00

Classification Explorer

Abstract:
Source: AT517316A Die Neuartigkeit dieses Transportbehaelters fuer mindestens einen Ball (3), mit einer Tragevorrichtung, einem Fixierungssystem und einer Ballaufnahme (2), ist durch die gleichzeitige Loesung mehrerer Problemstellungen gegeben. Die Erfindung kann fuer jede Ballsportart verwendet werden. Der Ball (3) oder die Baelle (3) koennen schonend und sicher transportiert werden, und es koennen Identifikationssymbole an der Ballaufnahme (2) und am Tragegurt (1) angebracht werden. Die Groesse der Ballaufnahme (2), die Auswahl der fuer die Herstellung verwendeten Materialien, der Abstand der Tragevorrichtung vom Ball (3) oder von den Baellen (3), sowie die Art des verwendeten Verschlusses richten sich dabei nach dem Gewicht und der Groesse der Baelle (3) der jeweiligen Sportart. , The novelty of this container for at least a ball (3), with a stand, a locking device and a ball holder (2), is given by the simultaneous solution of several problems. The invention can be used for any ball sport. The ball (3) or balls (3) can be transported safely and gently, and's identification symbols can be mounted on the ball socket (2) and on the shoulder strap (1). The size of the ball carrier (2), the choice of materials used for the production, the distance of the stand from the ball (3) or of the balls (3), as well as the type of the used closure set it according to the weight and the size of balls (3) of the respective sports.

- List: SS1 1–25 (FT=boccia) (Results 186)

0) GB200106455A – BOCCIA RAMP

1) Family number: 13563349 (GB200106455A) © PatBase

Title:	Boccia ramp
Priority:	GB20010006455 20010315

Family:

Publication number	Publication date	Application number	Application date
GB200106455 A0	20010502	GB20010006455	20010315

Probable Assignee:	UNIV DUNDEE
Assignee(s):(std)**:**	UNIV DUNDEE
Assignee(s):	UNIVERSITY OF DUNDEE ; DUNDEE UNIV

0) GB200215824A – BOCCIA RAMP

2) Family number: 23907462 (GB200215824A) © PatBase

Title: Boccia ramp

Priority: GB20020015824 20020709

Family:

Publication number	Publication date	Application number	Application date
GB200215824 A0	20020814	GB20020015824	20020709

Probable Assignee: UNIV DUNDEE

Assignee(s):(std)**:** UNIV DUNDEE

Assignee(s): UNIVERSITY OF DUNDEE ; DUNDEE UNIV

0) CH150958A – TISCH–KUGELSPIEL. TABLE BALL GAME. (MACHINE ...

3) Family number: 25567658 (CH150958A) © PatBase

Title: TISCH–KUGELSPIEL. TABLE BALL GAME. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH150958 A	19311130		19301224

Probable Assignee: WINTER ROLF

Assignee(s):(std)**:** WINTER ROLF

Inventor(s):(std)**:** ROLF WINTER

Inventor(s): WINTER ROLF

International class (IPC 8–9)**:** A63F7/00 (Advanced/Invention); A63F3/00 (Advanced/Non–invention); A63F7/00 (Core/Invention); A63F3/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D15/06 A63F7/06

CPC: A63F7/0005 A63F2003/00517 A63F2007/3025 A63F2250/12

European class: A63F7/00B K63F250/12 K63F3/00B5M8 K63F7/30D

Classification Explorer

Forward Citations: US5078404, EP0307862, EP0307862,

Abstract:
Source: CH150958A 1. Spiel, dadurch gekennzeichnet, dass der Rahmen einzelne ausziehbare Staebe auf–weist, um die Laenge des Rahmens aendern zu koennen. . 1 Game, characterized in that the frame single pull–up Staebe has to can change the length of the frame.

0) CH186197A – VERFAHREN ZUR HERSTELLUNG VON WASSERDURCHLAESSI...

4) Family number: 26411962 (CH186197A) © PatBase

Title: VERFAHREN ZUR HERSTELLUNG VON WASSERDURCHLAESSIGEN BELAEGEN FUER TENNIS–, TURN– UND SPIELPLAETZE. PROCESS FOR THE PREPARATION OF WATER permeable surfaces FOR TENNIS, AND TURN playgrounds. (Machine translation)

Priority: 19360624

Family:

Publication number	Publication date	Application number	Application date
CH186197 A	19360915		19360624

Probable Assignee: HAGGENMACHER FRITZ

Assignee(s):(std)**:** HAGGENMACHER FRITZ

Inventor(s):(std)**:** FRITZ HAGGENMACHER

Inventor(s): HAGGENMACHER FRITZ

International class (IPC 8–9): E01C13/06 (Advanced/Invention); E01C13/00 (Core/Invention)

International class (IPC 1–7): E01C13/00

CPC: E01C13/06

European class: E01C13/06

Classification Explorer

Forward Citations: WO8204081, FR2501744, FR2494739, EP0066099,

Abstract:
Source: CH186197A 1. Verfahren nach Patentanspruch, dadurch gekenpzeichnet, dass als Hartstoff Ziegel mehl verwendet wird. . 1 Method according to claim, characterized gekenpzeichnet that brick flour is used as the hard material.

0) CH209872A – TISCH–BOCCIA–SPIEL. TABLE BOWLING GAME. (MAC...

5) Family number: 25636658 (CH209872A) © PatBase

Title: TISCH–BOCCIA–SPIEL. TABLE BOWLING GAME. (Machine translation)

Priority: 19391227

Family:

Publication number	Publication date	Application number	Application date
CH209872 A	19400515		19391227

Probable Assignee: OSTER JOSEF

Assignee(s):(std)**:** OSTER JOSEF

Inventor(s):(std)**:** JOSEF OSTER

Inventor(s): OSTER JOSEF

International class (IPC 1–7): A63F7/06

Abstract:
Source: CH209872A and lt;B and gt;PATENTANSPRUCH: and lt;/B and gt; Tisch–Boccia–Spiel, dadurch gekenn7eicli– net, dass eine Vorrichtung vorgesehen ist. mittelst welcher die erzielten Punkte vom Spieler aufgezeichnet werden koennen, und dass Mittel vorhanden sind. dank welcher nach Ablauf der an einem Uhr–,verk ein gestellten Spielzeit das Spielfeld automatisch einseitig gesenkt wird, wodurch die auf dem Spielfeld liegenden.Spielkugeln in einen Be haelter rollen, wobei das Spielfeld eist nach dem Einwurf eines Geldstueckes wieder in Ge brauchslage gebracht werden kann unter gleichzeitiger Aufhebung einer Sperrung der Kugeln im Behaelter, so dass diese zur Ver– fuegung der Spieler frei werden, ferner ge kennzeichnet durch ein na–oh verschiedenen Richtungen einstellbares Abwurfgeraet, durch welches CTeraet eine auf dasselbe gesetzte R.u–gel auf den verschiedensten Bahnen an die einzelnen Stellen des Spielfeldeo geworfen werden kann. B and gt;; and lt CLAIM: and lt; / B and gt; Table bocce game, characterized gekenn7eicli– net that a device is provided. by means of which the marks obtained can be recorded by the player, and that funds are available. be thanks to which after the use position on a clock, verk a detected season, the playing field is automatically lowered on one side, so that the roll on the field liegenden.Spielkugeln in a loading container, wherein the pitch eist after inserting a Geldstueckes again in Ge brought can simultaneous lifting of blocking the balls inside the reservoir, so this comparison for the player, shall be free, further characterized by at a na–oh different directions adjustable Abwurfgeraet through which CTeraet a gel to the same set Ru on the different substrates can be thrown to the individual points of Spielfeldeo.

0) US2514119A – BREAKWATER

6) Family number: 21749250 (US2514119A) © PatBase

Title: BREAKWATER

Priority: US19460669001 19460511

Family:

Publication number	Publication date	Application number	Application date
US2514119 A	19500704	US19460669001	19460511

Probable Assignee: BOCCIA RAYMOND A

Assignee(s):(std)**:** BOCCIA RAYMOND A

Inventor(s):(std)**:** BOCCIA RAYMOND A

International class (IPC 8–9)**:** E02B3/06 (Advanced/Invention); E02B3/06 (Core/Invention)

International class (IPC 1–7)**:** E02B3/06

CPC: E02B3/06

European class: E02B3/06

US class: 256/12.5 405/21

Classification Explorer

Cited documents: US275952 A, US2099249 A, US1948639 A, US1877113 A, US1681636 A, US1500119 A, GB110507 A,

Forward Citations: USRE42259, US6932539, US5385432, US5071285, US3849990, US3280569, US2662378, US2639587, US2014138298, US2004206516,

Abstract:
Source: US2514119A (Claim 1) In a breakwater, a wall consisting of a plurality of vertical posts arranged in line and spaced apart and each provided on the surface thereof which is presented toward the post adjacent thereto with a vertical guideway, and beams having ends slidably engaged with said guideways and stacked vertically therealong, said guideways of said posts engaging said beam ends and retaining same therein against tensional forces exerted on said beams, and spacing mem~ bers also slidably engaging said guideways and ,interposed between the ends of each lower beam on the vertical stack of beams and the ends of the beam next thereabove.

0) DE1641884U – TISCH–BOCCIA–SPIEL.

7) Family number: 18237794 (DE1641884U) © PatBase

Title:	TISCH–BOCCIA–SPIEL.
Priority:	DE1952W005359U 19520509

Family:

Publication number	Publication date	Application number	Application date
DE1641884 U	19520731	DE1952W005359U	19520509

Probable Assignee:	WINTER ROLF
Assignee(s):(std)**:**	WINTER ROLF
Assignee(s):	ROLF WINTER
Inventor(s):(std)**:**	WINTER ROLF
Inventor(s):	ROLF WINTER

0) CH303309A – SPIELVORRICHTUNG. GAME DEVICE. (MACHINE TRAN...

8) Family number: 25634040 (CH303309A) © PatBase

Title: SPIELVORRICHTUNG. GAME DEVICE. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH303309 A	19541130		19520505

Probable Assignee: MOSER WERNER DR

Assignee(s):(std)**:** MOSER WERNER DR

Inventor(s):(std)**:** MOSER WERNER DR

International class (IPC 8–9): A63F5/04 (Advanced/Invention); A63F5/04 (Core/Invention)

International class (IPC 1–7): A63F7/04

CPC: A63F5/007 A63F5/02

European class: A63F5/02 K63F5/00C

Classification Explorer

Abstract:
Source: CH303309A (Claim 1) 1. PATENTANSPRUCH: Spielvorrichtung, gekennzeichnet durch einen Koerper mit wenigstens einer Rille und durch auf diesem Koerper angebrachte Kenn zeichen, um das Stehenbleiben eines in der Rille zu bewegenden Koerpers zu markieren und den Wert der Bewegung desselben anzugeben. UNTERANSPRUECHE: I. Vorrichtung nach Patentanspruch, da durch gekennzeichnet, dass der erstgenannte Koerper eine Scheibe ist, an der Stuetzen zu ihrer Abstuetzung auf einer Unterlage ange bracht sind.

Machine translation: (claim 1) 1 PATENT CLAIMS: game device, characterized by a body with at least one groove and on this body identifications sign to the stopping of a too in the groove to moving body tag and the value of the movement thereof to be indicated. UNTERANSPRUECHE: I. An apparatus according to claim, since in that the first–mentioned body is a disc, are introduced to the pillar to its support on a base in.

0) US2965730A – SAFETY CUTOFF VALVE WITH INDICATOR SWITCH

9) Family number: 23719877 (US2965730A) © PatBase

Title: SAFETY CUTOFF VALVE WITH INDICATOR SWITCH

Priority: IT19580004981 19580405 IT19880005818 19571221

Family:

Publication number	Publication date	Application number	Application date
AT217332 B	19610925	AT19580008724	19581217
BE574012 A1	19590416	BE19580574012	19581218
CH369373 A	19630515	CH19580067384	19581216
DE1150253 B	19630612	DE1958R024602	19581216
DE1802021 U	19591210	DE1959R018149U	19590402
FR1223385 A	19600616	FR19580782234	19581220
GB867124 A	19610503	GB19580040721	19581217
US2965730 A	19601220	US19580782072	19581222

Probable Assignee: REGOLI BENGASI

Assignee(s):(std)**:** BENGASI REGOLI ; CARLO DI STEFANO ; DI STEFANO CARLO ; REGOLI BENGASI ; STEFANO CARLO DI

Inventor(s):(std)**:** BENGASI REGOLI ; DI STEFANO CARLO ; REGOLI BENGASI ; STEFANO CARLO DI

Inventor(s): CARLO DI STEFANO

International class (IPC 8–9)**:** B60T11/32 B60T17/22 F16K17/32 (Advanced/Invention); B60T11/10 B60T17/18 F16K17/20 (Core/Invention)

International class (IPC 1–7)**:** B60T11/32 B60T17/22 B62D B65D90/50 F16D66/00 F16K17/26

CPC: Y10T137/2663 Y10T137/7727 F16K17/32 B60T11/323 B60T17/22 B60T17/226

European class: B60T11/32B B60T17/22 B60T17/22F F16K17/32

US class: 137/118.06 137/460 200/82D 303/84.2

Classification Explorer

Cited documents: US2879791 A, US2568311 A, US2531274 A, US2410202 A, US2327055 A, US2265117 A, US2239348 A, US2046316 A, US1955180 A, US1936504 A, DE870483 A, DE814826 A, DE499092 A, DE222218 A, DE100633 A, CH34726 A,

Forward Citations: US9410636, US9322484, US5664598, US4202368, US3674954, US3529171, US3526093, US3434286, US3431729, US3345998, US3296394, US3293389, US3273116, US3172423, US3148693, US2015211650, US2013220456, FR2447022, FR2086502, DE2547912,

Abstract:
Source: GB867124A 867,124. Valves. REGOLI, B., and DI STEFANO, C. Dee: 17, 1958 [Dec. 21,1957; April–5, 1958], No. 40721/58. Class 135. [Also in Groups XXXIV and XXXVII]. A safety cut–off device for hydraulic systems comprises a body 1 having an inlet 2, 40 connected to a supply line, and outlets 10 to separate sections of the system; a groove 4 in the body enables fluid to pass to either side of a piston 7 and to outlets 10 via ports 14, 12 in members 5, the piston 7 being centred by equal pressure on its faces and by springs 28. Should a fault occur in one of the sections, then loss of pressure on one side of piston 7 causes it to move toward the defective section, the piston's central portion 9 moving a pin 24 in an extension 22 of member 5, to move a locking cap 26 into a blind hole 25 in a pin 16, then the cap 26 has completely entered hole 25 the pin 16 is moved by springs 20 to close port 12 and seal off the defective section. When piston 7 moves from its central position, a metal disc 37 in a cap 30 serewed into body extension 27, is moved by spring 38 into contact with body 1 to make an electric circuit to operate a warning light, the disc 37 being normally insulated from the body by insulators 36, 34. The member 5 nearest the defect is unscrewed from the body to reset the device. In an alternative arrangement in Fig. 2, on failure in a section of the system, the piston 63 moves toward the defective section until pin 71 is moved into recess 62 in body 51 by spring 73 enabling a spring 66 to move a pin 64 into port 61 or 60 to seal off the defective section. Should the fault occur in the section fixed to the end 52 of body 51, then to reset the device the cap 53 and stud 77 are removed; a tool is inserted in slot 59 in the piston to rotate the piston and align the shot pin 71 with the hole of stud 77 from which it is removed, the piston is then removed, pins 71 and 64 re–inserted in piston 7 and the device reassembled. If the defect occurs in the section attached to cap 53 then the cap only is removed for resetting the device. After resetting the washer 76 is removed from stud 75 which is re–inserted to engage the

groove 74 in piston 63 to fix the piston whilst air is removed from the system.

0) SU123517T – DRUM FOR DIFFERENTIALLY EXTENSION CORD FABRIC ...

10) Family number: 53934890 (SU123517T) © PatBase

Title: Drum for differentially extension cord fabric (Machine translation)

Priority: SU19590619541 19590216

Family:

Publication number	Publication date	Application number	Application date
SU123517 T	19591130	SU19590619541	19590216

Probable Assignee: DEMIDOV G K

Assignee(s):(std)**:** DEMIDOV G K ; KROKHIN V M ; ROMANENKO A K ; SAKALOV V V ; ZIMIN I A ; TERMER V YU

Inventor(s):(std)**:** DEMIDOV G K ; KROKHIN V M ; ROMANENKO A K ; SAKALOV V V ; TERMER V YU ; ZIMIN I A

International class (IPC 8–9): D06C3/06 (Advanced/Invention)

International class (IPC 1–7): D06C3/06

Classification Explorer

Abstract:
Source: SU123517T 1C 1–1 and with what. with no.sh p.totnos1n tissue, narunik my, IM boccia ionerhnost drum pok | 1ymi vdo.t drum and Irik |) ene, to dinners bms.tey, ohiatynayushih mu each 1gz ski ba.rabacha, KOTopijie etc. lipairioHnii drum caught kts– point kren.teni ––ltas gnchnyh ndastii on bhtchme then iri b; 1izhats, th hda.t be from the axis of the drum and 1 yyvat1z:; P1M nskmsdovatelno IAU) astayui1, ce stretch zhe1G1ge n.tastin since iodhoda them to sector drum ohvachennomh– | kanyu, n zhatis irx since the release tglastig (this soktorp. i; occi aiioii / iciuiH width and normal ip, way b.tlzhe to its edges,) –n; astichiymi p.tastnia– E, y: gozhene: iHi) iM) i ends through gibkne thrust –jKc; u4ri) HKii, Rusty | 10.K)) 1e by one

0) CH351206A – EINRICHTUNG ZU EINEM MITTELS MINDESTENS EINER R...

11) Family number: 25521899 (CH351206A) © PatBase

Title: EINRICHTUNG ZU EINEM MITTELS MINDESTENS EINER ROLLENDEN KUGEL DURCHFUEHRBAREN GESCHICKLICHKEITSSPIEL DEVICE FOR A MEANS OF AT LEAST ONE BALL ROLLING DURCHFUEHRBAREN SKILL GAME (Machine translation)

Priority: 19570321

Family:

Publication number	Publication date	Application number	Application date
CH351206 A	19601231		19570321

Probable Assignee: BATT HUGO DR

Assignee(s):(std)**:** BATT HUGO DR

Inventor(s):(std)**:** BATT HUGO DR

International class (IPC 8–9): A63B67/00 (Advanced/Invention); A63B67/00 (Core/Invention)

International class (IPC 1–7): A63C19/02

CPC: A63B67/002

European class: A63B67/00B

Classification Explorer

Abstract:
Source: CH351206A (Claim 1) PATENTANSPRUCH Einrichtung zu einem mittels mindestens einer rollenden Kugel durchfuehrbaren Geschicklichkeits– spiel dadurch nach gekennzeichnet, dem Patentanspruch dass das des Spielfeld Hauptpatentes (41) aus ' zwei laengsseitig aneinandergrenzenden Reihen von je vier deckung eich rechteckigen Parzellen (45 und 46) besteht, von denen dieje am gleichen Ende der beiden Reihen laengs einer in der Reilienlaengsrich– tun– verlaufenden Parzellenseite aneinandergrenzen– den Parzellen (45 und 45) unter sich und die beiden jeweils eine Reihenhaelfte bildenden Parzellen (45 und 46) unter sichje durch ein quer an die aeussere Ab– schrankunor (42) angrenzendes Tor (48 bzw.

Machine translation: (claim 1) PATENT CLAIM Means to a durchfuehrbaren by at least a rolling ball game of skill, characterized by, the claim that the playing field main patent (41) from '<;/ b> laengsseitig two adjacent rows of each four rectangular cover calibration plots (45 and 46), each of which at the same end of two rows along one in the Reilienlaengsrich tun–running side plots adjoin–the plots (45 and 45) between them and the two one Reihenhaelfte forming plots (45 and 46) under the **each** by an outer, transverse to the ex–schrankunor (42) adjacent gate (48 or

0) DE1901357U – KUGELSPIEL MIT WURFKUGELN NACH ART DES BOCCIA. ...

12) Family number: 20310061 (DE1901357U) © PatBase

Title: KUGELSPIEL MIT WURFKUGELN NACH ART DES BOCCIA. BALL THROW BALL GAME WITH THE TYPE OF BOWLS. (Machine translation)

Priority: DE1964B057867U 19640609

Family:

Publication number	Publication date	Application number	Application date
DE1901357 U	19640924	DE1964B057867U	19640609

Probable Assignee: BOCK HANS WALTER

Assignee(s):(std)**:** BOCK HANS WALTER

Assignee(s): HANS WALTER BOCK

Inventor(s):(std)**:** BOCK HANS WALTER

Inventor(s): HANS WALTER BOCK

International class (IPC 8–9)**:** A63D13/00 (Advanced/Invention); A63D13/00 (Core/Invention)

International class (IPC 1–7)**:** A63B67/00

Classification Explorer

Abstract:
Source: DE1901357U (Claim 1) 1. Kugelspiel mit Wuerfkug du,re,1–j# einen Boden (1) mit eillem Einwurfkanal (4) an dem einen aeusseren LUngsrand (2), =d einem bogenfoermigen, vorzugsweise einen Halbkreis bildenden Uzuecehrrand (6) an dem der Einwurfseite abgewtandten Bodenende sowie einer Unterteilung des Feldes zwischen dem Innenrand (3) des Einimrtkanals tund dem anderen Laengsrand (7) des Bodens in raehrere Kanaelle (809,10,11e12)e denen auf der Einwurfseite eine ausloeSbare Auslaufzperre (13) zugeordnet ist.

Machine translation: (claim 1) 1 A ball game with Wuerfkug you, re,1–j # a bottom (1) with eillem throw–channel (4) on the one outer Lung edge (2), = d a an arcuate, preferably forming a semicircle Uzuecehrrand (6) on which the throw–side abgewtandten bottom end as well as a subdivision of the field between the inner edge (3) of the Einimrtkanals tand the other Laengsrand (7) of the soil in raehrere Kanaelle (809,10,11 e12) e which is assigned to the throw–in side a releasable Auslaufzperre (13).

0) CH392406A – APPARECCHIO AUTOMATICO PER LA PRODUZIONE CONTIN...

13) Family number: 24852634 (CH392406A) © PatBase

Title: Apparecchio automatico per la produzione continua di acque gassate Apparecchio automatico per la produzione continua di acque gassate Automatic device for the continuous production of aerated waters (Machine translation)

Priority: IT19610000505 19610112

Family:

Publication number	Publication date	Application number	Application date
CH392406 A	19650515	CH19620000336	19620112

Probable Assignee: VALENTINI MASSIMO

Assignee(s):(std)**:** VALENTINI MASSIMO

Inventor(s):(std)**:** MASSIMO VALENTINI

Inventor(s): VALENTINI MASSIMO

International class (IPC 8–9): B01F3/04 (Advanced/Invention); B01F3/04 (Core/Invention)

International class (IPC 1–7): C02D1/04

CPC: B01F3/04815

European class: B01F3/04C8P

Classification Explorer

Forward Citations: US4629589, FR2568855,

Abstract:
Source: CH392406A [Source: Claim 1] 1. Apparecchio secondo la rivendicazione, caratterizzato dal fatto che la pompa e costituita da una carcassa cava entro la quale un organo mobile con moto alternativo delimita due coppie di camere di cui due sono collegate ad un condotto di alimentazione dell'acqua e sono provviste di condotti per lo scarico dell'acqua contenuta nelle camere stesse e due sono collegate mediante tubi al distributore, a seconda delle posizioni del cui cassetto sono alternativamente poste in comunicazione l'una con un condotto di alimentazione di gas in pressione che provoca il moto della parte mobile della pompa e l'altra con la parte inferiore del saturatore dalla cui sommita scende l'acqua che vi giunge espulsa da una delle camere ad acqua della pompa, la stessa pompa essendo collegata a detto distributore, lateralmente al cassetto, mediante tubi che ad ogni fine corsa della pompa sono messi in comunicazione colle camere del gas, di modo che la pressione del gas che e contenuto in quella camera che e in diretto collegamento col condotto di alimentazione del gas stesso provoca uno spostamento del cassetto del distributore e quindi una inversione del moto dell'organo mobile, il prelievo dell'acqua gassata venendo effettuato attraverso un tubo montato in prossimita del fondo del saturatore. [Source: Claim 1] 1. Apparatus according to claim, characterised by the fact that the pump consists of a hollow carcass within which a mobile organ with reciprocating motion delimits two pairs of rooms two of which are connected to a water supply and water drain ducts are provided in the rooms themselves are connected by pipes to the Distributor Depending on the positions of which are alternately placed in communication with one drawer a pressurized gas supply line that causes the motion of the movable part of the pump and the other with the bottom of the water drops from the top saturator reaches ejected from a water pump rooms, the same pump being connected to such distributor, side of the drawer, using pipes that at each end of stroke of the pump are connected Hill gas chambers, so that the pressure of the gas that it contained in one room and in direct connection with the gas supply line itself causes a shift of the drawer of the Distributor, and then a reversal of direction of mobile body, water is removed through a tube mounted near carbonated coming from the bottom of the mixer.

0) DE1920676U – TRANSPORTABLE BOCCIA–SPIELBAHN. PORTABLE BOWLS ...

14) Family number: 21181516 (DE1920676U) © PatBase

Title: TRANSPORTABLE BOCCIA–SPIELBAHN. PORTABLE BOWLS GAME TRAIN. (Machine translation)

Priority: DE1965H052144U 19650601

Family:

Publication number	Publication date	Application number	Application date
DE1920676 U	19650729	DE1965H052144U	19650601

Probable Assignee: HESS ERNST

Assignee(s):(std)**:** HESS ERNST

Assignee(s): ERNST HESS

Inventor(s):(std)**:** HESS ERNST

Inventor(s): ERNST HESS

International class (IPC 1–7)**:** A63C19/00

Forward Citations: DE3447820,

Abstract:
Source: DE1920676U (Claim 1) 1.) Transportable Boccia–Spielbahn, bestehend aus einem Winkel– oder Massivrahmen und eingelegten Spielfeldplatten fuer den Kugellauf.

Machine translation: (claim 1) 1) Portable bowling game train, consisting of an angle for solid frame or field plates and loaded the rifle barrel.

0) US3272508A – ELEVATOR DISCHARGE ORIENTING MEANS OPERATED IN ...

15) Family number: 25546736 (US3272508A) © PatBase

Title: ELEVATOR DISCHARGE ORIENTING MEANS OPERATED IN RESPONSE TO ORIENTATION OF PINS ON THE ELEVATOR

Priority: US19630286015 19630606

Family:

Publication number	Publication date	Application number	Application date
AT271281 B	19690527	AT19640004785	19640603
CH425578 A	19661130	CH19640007115	19640601
DE1453131 A1	19690327	DE19641453131	19640601
US3272508 A	19660913	US19630286015	19630606

Probable Assignee: OTIS ELEVATOR CO

Assignee(s):(std)**:** BOWL MOR CO INC ; BOWL MOR COMPANY INC ; OTIS ELEVATOR CO

Assignee(s): OTIS ELEVATOR COMPANY

Inventor(s):(std)**:** LANDRY OLIVER A ; LEROY TEMPLE W ; LIONEL BARROWS ROYAL ; MATTHEW DOWD HOWARD ; OLIVER LANDRY ; ROYAL LIONEL BARROWS ; A LANDRY OLIVER ; BARROWS ROYAL L ; COMPANY STATE STREET BANK AND ; HOWARD MATTHEW DOWD ; STATE STREET BANK AND CO

Inventor(s): LANDRY OLIVER ; STATE STREET BANK AND TRUST COMPANY ; TEMPLE W LEROY ; STATE STREET BANK AND TRUST CO

International class (IPC 8–9): A63D5/08 (Advanced/Invention); A63D5/00 (Core/Invention)

International class (IPC 1–7): A63D5/08 A63D5/09

CPC: A63D5/08

European class: A63D5/08

US class: 198/418 294/87.26 473/97

Classification Explorer

Cited documents: US3174751 A, US2962284 A, US2820636 A, US2767983 A, US2755089 A, US2686053 A, US2634978 A, US2625397 A, US2017143 A,

Forward Citations: US3966206, US3809398, US3529708, US3417992, US3380739, DE2245953,

Abstract:
Source: US3272508A (Claim 1) 1. In an automatic bowling pinsetting machine having means including a bowling pin elevator for sequentially raising horizontally oriented bowling pins from a lower level to a higher level, means associated with said elevator for dislodging said pins therefrom at said higher level, and means including a slide for receiving said dislodged pins; means associated with said elevator for orienting bowling pins of the type having a relatively thick 40 body and a relatively thin neck, and for insuring that such pins enter said slide with their base portion first which comprises a pair of pivoted arms each adapted to move between an upstanding position where said arm is adapted to engage the neck of a pin after said pin has been dis–45 lodged from said elevator, and before said pin has reached said slide, and a lowered position where said arm is out of the path of said pin, link means connecting said arms whereby when one of said arms is in the upstanding position the other of said arms is in the lowered position, and 50 pin sensing means responsive to the passage of the pin on said elevator for detecting the neck portion of the pin and erecting the corresponding arm.

0) DE1973910U – SPIEL– UND SPORTGERAET. GAME AND SPORTGERAET. ...

16) Family number: 21107960 (DE1973910U) © PatBase

Title: SPIEL– UND SPORTGERAET. GAME AND SPORTGERAET. (Machine translation)

Priority: DE1967R035717U 19670807

Family:

Publication number	Publication date	Application number	Application date
DE1973910 U	19671130	DE1967R035717U	19670807

Probable Assignee: MAX ROHT K G

Assignee(s):(std)**:** MAX ROHT K G

International class (IPC 1–7)**:** A63B67/00 A63D7/00

Abstract:
Source: DE1973910U (Claim 1) 1. Spiel– und Sport7erMt, mit Wurfkugeln und mindestens einer Zielkugel, g e k e n n 7 z e i c h n e t d u r c h eine pendelnde AUfhIngung der Zielkugel (7).

Machine translation: (claim 1) 1 Play and Sport7erMt, with throwing balls and at least one target ball, marked 7 is characterized by an oscillating AUfhIngung the target ball (7).

0) CH448840A – WURFSPIEL THROWING GAME (MACHINE TRANSLATION...

17) Family number: 25396493 (CH448840A) © PatBase

Title: Wurfspiel Throwing game (Machine translation)

Priority: AT19660009333 19661005

Family:

Publication number	Publication date	Application number	Application date
CH448840 A	19671215	CH19670001051	19670120

Probable Assignee: WINKLER HERMANN

Assignee(s):(std)**:** WINKLER HERMANN

Inventor(s):(std)**:** HERMANN WINKLER

Inventor(s): WINKLER HERMANN

International class (IPC 8–9)**:** A63F9/02 (Advanced/Invention); A63F9/02 (Core/Invention)

International class (IPC 1–7)**:** A63B67/06

CPC: A63F9/0278

European class: A63F9/02P

Classification Explorer

Forward Citations: US5655777,

Abstract:
Source: CH448840A (Claim 1) 1. Wurfspiel nach Patentanspruch, dadurch gekenn zeichnet, dass jeder Wurfkoerper (I1, 12, 13) mindestens drei aus Kettengliedern (13) gebildete Arme (12) auf weist, die an einem zentralen Glied (11) angeordnet sind.

Machine translation: (Claim 1) 1 Throwing game according to claim, characterized in that each Wurfkoerper (I1, 12, 13) from at least three chain links (13) formed arms (12) exhibits, which are arranged on a central element (11).

0) GB1298400A – BALL GAME DEVICE

18) Family number: 40970190 (GB1298400A) © PatBase

Title: BALL GAME DEVICE

Priority: DE19690023992U 19690612

Family:

Publication number	Publication date	Application number	Application date
AU197015920 A1	19711209	AU19700015920	19700604
BE752062 A1	19701201		00000000
CH525685 A	19720731	CH19700008342	19700603
DE6923992 U	19700115	DE19690023992U	19690612
ES188115 U	19740116	ES19700188115U	19700615
ES188115 Y	19740901	ES19700188115U	19700615
FR2052680 A5	19710409	FR19700022160	19700616
GB1298400 A	19721129	GB19700027715	19700608
NL7008761 A	19701218	NL19700008761	19700616
ZA7003947 A	19710825	ZA19700003947	19700610

Probable Assignee: HERBERT ZOSCHIINGER

Assignee(s):(std)**:** HERBERT ZOSCHIINGER ; PRUSS G ; PRUSS GUENTHER ; ZOSCHINGER HERBERT ; PRUSS GUNTHER M ; PRUSS GUENTHER MANFRED ; ZOESCHINGER HERBERT ; ZOSCHINGER HEBERT ; ZOESCHINGER H ; ZOSCHINGER Y MANFRED PRUSS H Y G

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Inventor(s):(std)**:** GUENTHER MANFRED PRUSS ; PRUSS G ; PRUSS GUENTHER MANFRED ; PRUSS GUNTER MANDRED ; PRUSS GUNTHER MANFRED ; ZOESCHINGER HERBERT

Inventor(s): GUNTER MANDRED PRUSS ; GUNTHER MANFRED PRUSS ; HERBERT ZOESCHINGER ; MANFRED PRUSS GUENTHER

International class (IPC 8–9): A63B59/18 A63B67/20 (Advanced/Invention); A63B59/00 A63B67/20 (Core/Invention)

International class (IPC 1–7): A63B59/06 A63B59/18 A63B67/10 A63B69/00 A63B69/38

CPC: A63B67/20

European class: A63B67/20

Classification Explorer

Forward Citations: CN104606866,

Abstract:
Source: GB1298400A 1298400 Bat and tethered ball; manipulative toys H ZOESCHINGER and G M PRUSS 8 June 1970 [16 June 1969] 27715/70 Headings A6D and A6S A ball game apparatus comprises a ball 4 connected by an elongate elastic member 3 to a swivel bearing 2 rotatable about a racket handle 11, either the ball or the racket's striking surface being elastically deformable. The ball may be a tennis ball or a shuttle cock weighted with plastic. The member 3 may be a rubber cord or braided cords, an elastomer, or a spring and may be connected by a spring hook to an eye 21 in the bearing 2. The bearing 2 is rotatable in a groove 12 in the handle.

0) DE6948671U – EINRICHTUNG FUER EIN KUGELSPIEL DEVICE FOR A BA...

19) Family number: 16320701 (DE6948671U) © PatBase

Title: EINRICHTUNG FUER EIN KUGELSPIEL DEVICE FOR A BALL GAME (Machine translation)

Priority: DE19690048671U 19691217

Family:

Publication number	Publication date	Application number	Application date
DE6948671 U	19700409	DE19690448671U	19691217

Probable Assignee: MODERNE BAU KUNSTSTOFFE KEHREN

Assignee(s):(std)**:** MODERNE BAU KUNSTSTOFFE KEHREN

Assignee(s): MODERNE BAU KUNSTSTOFFE KEHREN AND CO

International class (IPC 1–7)**:** A63B67/00 A63D1/00

Forward Citations: EP0016309,

Abstract:
Source: DE6948671U (Claim 1) 4. Einrichtung nach den Anspruechen 1 bis 3, dadur @ h ge – k e n n z e i c h n e t, dann die FGhruDg81e18te (2) und das Befestigungsteil (5) in einer formigen Schiene (6), mit Abstand von der Spielbahnoberflaeche gehaltert ist. 5.

Machine translation: (Claim 1) 4th Device according to claims 1 to 3, dadur h @ ge – marks, then the FGhruDg81e18te (2) and the Mounting part (5) in a shaped rail (6), with Distance is retained by the fairway surface. 5th

0) DE1962332C3 – LERN– UND UEBUNGSGERAET ZUR EINZELAUSUEBUNG DES...

20) Family number: 448507 (DE1962332C3) © PatBase

Title: LERN– UND UEBUNGSGERAET ZUR EINZELAUSUEBUNG DES TENNISSPORTS

Priority: DE19691962332 19691212

Family:

Publication number	Publication date	Application number	Application date
DE1962332 A1	19710616	DE19691962332	19691212
DE1962332 B2	19770526	DE19691962332	19691212
DE1962332 C3	19780112	DE19691962332	19691212

Probable Assignee: ZOESCHINGER HERBERT

Assignee(s):(std)**:** PRUSS GUENTHER MANFRED ; ZOESCHINGER HERBERT

Inventor(s):(std)**:** MANFRED PRUSS GUENTHER ; PRUSS GUENTHER MANFRED

International class (IPC 8–9)**:** A63B67/20 (Advanced/Invention); A63B67/20 (Core/Invention)

International class (IPC 1–7)**:** A63B69/38

CPC: A63B67/20

European class: A63B67/20

Classification Explorer

Forward Citations: DE3821755, DE3805871, AU697105,

Abstract:
Source: DE1962332B2 The teaching and practice appts. for individual tennis practice has a tennis ball connected to the racquet by an elastic flexible line. The racquet end of the connecting line is attached to a bearing section which is made to swivel around the longitudinal axis of the tennis racquet handle. The tennis racquet handle has a ring groove located at the point where the handle runs into the frame section to accommodate the bearing section formed as a ring. The connecting line is attached to the bearing by an eyelet in the style of a pendulum.

0) DE2011416A1 –

21) Family number: 473402 (DE2011416A1) © PatBase

Priority: DE19702011416 19700311

Family:

Publication number	Publication date	Application number	Application date
DE2011416 A1	19710923	DE19702011416	19700311

International class (IPC 8–9): A63D15/04 A63F7/06 (Advanced/Invention); A63D15/00 A63F7/00 (Core/Invention)

International class (IPC 1–7): A63B67/04 A63F7/06

CPC: A63D15/04 A63F7/06

European class: A63D15/04 A63F7/06

Classification Explorer

Forward Citations: US7070040, FR2496476,

Abstract:
Source: DE2011416A1 (Claim 1) 1. – – Patentansprueche – (1.)Spielgeraet fuer Ball– oder Kugelspiel mit einem aus mindestens zwei Platten bestehenden rechteckigen Spiel feld, welches an mindestens drei Seiten einen von der Spielfeldflaeche rechtwinklig hochstehenden Rand aufweist, dadurch gekennzeichnet, dass eine erste Plat te die Flaeche eines Tisches bildet, die weiteren zum Spielfeld gehoerenden Platten in den Tisch unterhalb dieser ersten Platte einsetzbar sind, bei Benutzung der ersten Platte als Tischplatte ihr Spielfeldrand unterhalb dieser Platte unterbringbar ist und der Tisch Behaelter zur Aufnahme des Spielzubehoers aufweist.

Machine translation: (Claim 1) 1 – – Claims – (1) Spielgeraet for ball or ball game with a current of at least two plates rectangular playing field, which has at least three sides of one of the Spielfeldflaeche perpendicular raised edge, wherein a first Plat te the area of a table forms the other plate belonging to the playing field in the table below this first plate may be used, when using the first drive as its tabletop sidelines accommodated below the plate and the table has container for holding the Spielzubehoers.

0) DE7119709U – BAUELEMENTESATZ FUER (MONTAGE)–BOCCIA– ODER EIS...

22) Family number: 16455845 (DE7119709U) © PatBase

Title: BAUELEMENTESATZ FUER (MONTAGE)–BOCCIA– ODER EISBAHNEN ELEMENT SET FOR (ASSEMBLY) – BOOCIE OR ICE–SKATING RINKS (Machine translation)

Priority: DE19710019709U 19710414

Family:

Publication number	Publication date	Application number	Application date
DE7119709 U	19711104	DE19710019709U	19710414

Probable Assignee: LINKE J

Assignee(s): LINKE J

0) DE2105648 A –

23) Family number: 548575 (DE2105648 A) © PatBase

Priority: DE19712105648 19710206

Family:

Publication number	Publication date	Application number	Application date
DE2105648 A1	19720817	DE19712105648	19710206

International class (IPC 8–9): A63D1/02 A63F7/00 (Advanced/Invention); A63D1/00 (Core/Invention)

International class (IPC 1–7): A63D1/02

CPC: A63F7/0017 A63F7/3622 A63F7/388

European class: A63F7/00C A63F7/36D K63F7/38S

Classification Explorer

Forward Citations: FR2662089,

0) US3709490A – PLAY, SPORTS AND TRAINING APPARATUS

24) Family number: 40970192 (US3709490A) © PatBase

Title: PLAY, SPORTS AND TRAINING APPARATUS

Priority: DE19696923992U 19690612

Family:

Publication number	Publication date	Application number	Application date
US3709490 A	19730109		00000000

Probable Assignee: PRUSS G

Assignee(s):(std)**:** PRUSS G

Assignee(s): PRUSS G DT

Inventor(s):(std)**:** PRUSS G

Inventor(s): PRUSS G DT

International class (IPC 8–9)**:** A63B59/18 A63B67/20 (Advanced/Invention); A63B59/00 A63B67/20 (Core/Invention)

International class (IPC 1–7)**:** A63B69/38

CPC: A63B67/20

European class: A63B67/20

US class: 473/425

Classification Explorer

Cited documents: US2110084, US1862044, US1282016, GB189519268, CA456645,

Forward Citations: US7749110, US6062993, US5649699, US4752070, US2009011869,

Abstract:
Source: US3709490A A highly elastic elongated connecting element is connected between two members, one of which is designed or provided with means adapted to accelerate the other member away from said one member. At least one of said members is resilient and capable of developing restoring forces and preferably capable of elastically yielding at least adjacent to a surface which is adapted to contact the other member. The connecting element is connected to the accelerating member by a swivel bearing.

0) DE2143897A1 – TEILBARE SPIELKUGEL GAME BALL PLUGGABLE (MACH...

25) Family number: 1696791 (DE2143897A1) © PatBase

Title: TEILBARE SPIELKUGEL GAME BALL PLUGGABLE (Machine translation)

Priority: DE19712143897 19710902

Family:

Publication number	Publication date	Application number	Application date
DE2143897 A1	19730308	DE19712143897	19710902

Probable Assignee: MOELLER HARALD

Assignee(s):(std)**:** MOELLER HARALD

Assignee(s): MOELLER HARALD 2000 HAMBURG

International class (IPC 8–9)**:** A63B37/00 (Advanced/Invention); A63B37/00 (Core/Invention)

International class (IPC 1–7)**:** A63B37/02

CPC: A63B37/00

European class: A63B37/00

Classification Explorer

Abstract:
Source: DE2143897A1 Patentansprueche: 1 Spielkugel, f;ir Boccia, Krocket oder andere Spiele, die teilbar ist; dadurch gekennzeichnet, dass die Spielkugel geteilt leicht und raumsparend ist und erst am Spielort mit dort vorraetigem, geeigneten Material zu fuellen ist 2 Spielkugel nach Anspruch 1; dadurch gekennzeichnet, dass die Spielkugel oder nur jeweils ene Haelfte zunaechst als wiederverwendbares Verpackungsbehaeltnis fuer iiebensmittel oder andere Artikel dient und nachdem der Inhalt verzehrt bzw herausgenomnen ist, als Spielkugel, wie Patentanspruch 1, weiterverwendet wird 3.

Machine translation: Claim: 1 game ball, f; ir bocce, croquet or other games, which is divisible, wherein the game ball split is lightweight and space–saving, and only at the venue to fill with there stock, suitable material is 2 game ball according to claim 1; characterized in that the ball game or just enes each first half as a reusable Verpackungsbehaeltnis for iiebensmittel or other items used or consumed, and after the content is herausgenomnen, as a game ball, how to claim 1, further third used

- **search:** SS2 sFT=(ramp and support and game and (disability)) (Results 38)
- List: SS2 1–25 (sFT=(ramp and support and game and (disability))) (Results 38)

0) FR89712E – DISPOSITIFS DESTINES A ASSURER LA SECURITE CORP...

1) Family number: 22302966 (FR89712E) © PatBase

Title: DISPOSITIFS DESTINES A ASSURER LA SECURITE CORPORELLE AUX OCCUPANTS DES VEHICULES AUTOMOBILES ET AERIENS

Priority: FR19650036279 19651026 FR19660049501 19660214

Family:

Publication number	Publication date	Application number	Application date
FR1461600 A	19660225	FR19650036279	19651026
FR89712 E	19670804	FR19660049501	19660214

Inventor(s):(std): KETTLER PAUL

International class (IPC 8–9): B60N2/58 B60R22/26 (Advanced/Invention); B60N2/58 B60R22/26 (Core/Invention)

International class (IPC 1–7): A62B35/00 B64D25/06

CPC: B60N2/06 B60N2/3011 B60N2/58 B60N2/68 B60N2/688 B60R22/26

European class: B60N2/06 B60N2/30B2C2 B60N2/58 B60N2/68 B60N2/68S B60R22/26

Classification Explorer

Forward Citations: FR2772701,

Abstract:
Source: FR1461600A 1.RESUMA Ensemble d'un dispositif de securite, avec ses variantes, comprenant: 10 Sieges individuels d'un seul tenant constitues par une ossature indeformable en alliage d'alu miniuma haute resistance comprenant un bati inferieur qui supporte le panneau d'habillage du siege, les assises de ce bati etant constitues par quatre montants verticaux, reunis deuxa deux dans le bas par une traverse horizontale ou patin, formant cadre de chaque cote du siege. La semelle du patin en regard du plancher de la voiture comporte des bossages pleins ou emboutis, constitues par des elements demi–spheriques venus de fonderie ou soudeea la semelle du patin et per mettant au patin de glissera l'interieur d'une glissiere, conformea l'invention, qui lui sert de logement et de guide. Ces bossages sont fixesa chaque extremite de la semelle, mais on peut en augmenter le nombre et les disposer sur un meme plan dans une mesure determinee. Le bati superieur qui forme le dossier du siege est venu d'un seul tenant avec le bati inferieur ou est rapporte sur celui–ci. Il est constitue par un cadre qui supporte le panneau d'habillage du dossier, et qui peut etre de forme trapezoide, rectangulaire ou carree, ce bati etant legerement incline vers l'arriere; 20 Sieges individuels realises en deux parties, comportant un dossier mobile reuni par articulation au bati de siege au moyen de fortes charnieres. Les elements de ces charnieres sont fixes sur chacune des deux parties du siegea reunir et peuvent englober, de bout en bout toute la largeur du siege, les deux parties de l'articulation etant reunies par un axe et le dossier verrouille par un bras d'articu lation fixe d'une part sur la partie laterale du dossier et, d'autre part, sur le pied du milieu, le verrouillage des parties laterales des dossiers en regard s'effectuant par le meme procede. Les banquettes avant sont constituees par une ossature indeformable en alliage d'aluminiuma haute resistance et realisees: 10 En une seule partie, la banquette comprenant un bati inferieur supportant le panneau d'habillage du siege, les assisesde ce bati etant constituees de chaque cote par deux montants verticaux, reunis deuxa deux dans le bas par une traverse ou patin formant cadre. La semelle du patin, en regard du plancher de la voiture, comporte des bossages pleins ou emboutis constitues par des elements demi–spheriques per mettant aux patins de la banquette de glissera l'interieur d'une glissiere, conformea l'invention, qui leur servent de logement et de guide. L'ossature du siege du bati de la banquette et celle du cadre du dossier comportent,a des inter valles egaux ou differents, une ou plusieurs tra verses; 20 La banquette peut etre realisee en deux parties reunies par articulation au moyen d'une seule ou de plusieurs charnieres disposeesa des intervalles egaux ou differents, l'immobilisation du dossier aux pieds du milieu etant obtenu par des bras de guidage et de verrouillage, conformesa l'invention, en collabo ration avec les vis de pression des glissieres bloquant les patins du bati de siegea l'interieur des glissieres. Les glissieres comportent une gorge correspon danta la conformation des patins du siege, compte tenu des organes demi–spheriques de glissement fixes sous la semelle du patin, cette glissiere etant constituee par un profile dont la partie superieure forme une partie horizontale, generalement plane, de deux parties rabattues lateralement formant les jambes de force, et par deux plats formant les ailes de la glissiere, ces ailes etant assujetties au plancher de la voiture. Les ailes sont de meme longueur que celles des montants de la glissiere formant les jambes de force, mais elles peuvent etre plus longues que celles de ces montants, et egalement plus longues vers l'avant et plus courtes vers l'arriere, et inversement. Le plancher nervure comporte une plaque metal lique lisse, de dimensions un peu superieures de part et d'autre de celles de la glissiere sur laquelle reposent les elements demi–spheriques de glissement dont les semelles des patins sont pourvues. La longueur de la glissiere est inferieurea la longueur des patins du siege pour permettre le deplacement du patina l'interieur de la glissiere, les extremites de la glissiere formant butee en col laboration avec la partie angulaire du patin en regard. La partie dorsale de la glissiere est renforcee pour permettrea des vis de pression moletees, visseesa travers la partie dorsale de la giissiere, de prendre appui sur la partie dorsaledu patin pour permettre le verrouillage du patina

l'interieur de la glissiere. Les bras constituant les organes de guidage destinesa relier eta verrouiller les banquettes avant sur les pieds du milieu et les sieges individuels sur les piedsdu milieu et, egalement, entre eux, sont composes de parties rectilig gpes, la partie centrale pouvant, cependant, etre de forme concave ou convexe. Ce bras est fixe radialement de chaque cote des deux sieges individuels ou de la banquette avant et relie la partie laterae exterieure des dossiers aux pieds du milieu, les deux sieges individuels etant, d'autre par4 verrouilles entre eux, aux parties late rales en regard des dossiers, par le meme procede. Le brasde guidage et de verrouillage est constitue par une piece comportant deux pattes verticales reunies entre elles par un montant oblique, ces trois parties pouvant etre realisees par distorsion d'une partie de barre de section rectangulaire. Chaque patte comporte une coulisse destineea permettre le deplacement du siege individuel ou de la banquette avant, soit dans le sens avant, soit dans le sens arriere, au moyen d'un pivot qui lui sert de support et sur lequel on introduit la coulisse. Uune des deux pattes peut etre d'une longueur superieurea celle de l'autre et percee simplement d'un orifice circulaire central, l'autre patte ayant une coulisse. Les pattes peuvent etre rectilignes ou legerement desaxees dans une position avant ou arriere par rapport au montant oblique du bras. Le verrouillage de la partie laterale du dossier sur le pied du milieu s'effectue par remploi d'un pivot fixe surle pied du milieu et d'un deuxieme pivot fixe sur la partie laterale du siege individuel ou de la banquette avant sur lesquels on introduit respectivement les coulisses du bras, ces pivots ayant la partie anterieure filetee pour recevoir un ecrou molete permettant le –verrouillage des parties entre elles. On obtient un bras de guidage et de verrouillage d'importance double, par la juxtapositionde deux bras que l'on situe en angulaire oppose, une patte d'un bras etant juxtaposee avec une patte de l'autre, ces deux pattes etant assemblees par un court boulon traversant les deux coulisses et maintenues fortement par le serrage d'un ecrou molete, les deux autres pattes etant fixees Pune sur le pivot du pied du milieu et l'autre sur le pivot de la partie laterale du siege individuel ou de la banquette avant, chacun des trois ecrous etant convenablement serre pour obtenir le verrouillage du dossier du siege individuel ou de la banquette avant sur le pieddu milieu. On utilise le retrecissement graduel de l7espace compris entre le pied du milieu et la partie laterale du dossier du sieae individuel ou de la banquette avant,a mesure que l'on s'eleve vers le haut du dossier, pour obtenir automatiquement le point d'impact permettant c'te fixerle bras de guidage, ce bras se deplacant au moyende ses coulisses autour des pivots respectifs. Lorsque le point d'impact n'est pas completement realise, on se sert d'un coin de forme rectangulaire, d'epaisseur degressive, perce dans le sens radial d'une coulisse. Le coin est place, generalement,a demeure surle pivot et precede l'introduction de la patte du bras; il permet d'exercer une pression graduee maximum entre les partiesa resserrer. Pour verrouiller les parties entre elles on utilise des ecrous de diametre convenable. Les organes permettant de retenir les extremites posterieures des sangles des ceintures de securite fixees sur les parties laterales des dossiers des sieges individuels et, egalement, au dos de ces dossiers, sont realises au moyen des elements ci–apres: Poignees constituees par deux parties horizontales et paralleles reuniesa leur partie anterieure par un montant vertical, les parties posterieures des bran ches des poignees etant fixees par soudure sur les parties laterales du bati du dossierde siege, ces poignees pouvant venir de moulage avec une pla quette individuelle ou collective leur servant de support. Le montant de la poignee peut etre entaille vers son centre, soit horizontalement, soit de biais, cette entaille permettant dintroduire; Pextremite poste rieure d'une sangle au moyen. du creux forme par le coulant et de la retenir sur]!ensemble des deux parties du montant au moyen d'une bague metal lique servantde pont pour la reum*on des deux parties et reconstituant la continuite du montant. Cette bague est entaillee lateralement pour former ressort et peut etre deplaceea volonte sur l'une ou l'autre partie du montant de la poignee pour per mettre de liberer la sangle. Les poignees peuvent etre disposees obliquement par paire, chaque poignee etant fixee en sens oppose et dirigee vers le centre du siege. Chaque dossier comporte, generalement, six poi gnees, trois poignees etant fixees sur la partie laterale de chaque cotedu dossier, et deux autres au dos, celles–ci etant placees sous l'arrondi forme par le haut du dossier, dans un sens horizontal ou legere ment oblique, ces poignees etant destineesa retenir les bretelles lorsque la ceinturede securite en coin– porte. Les trois poignees de chaque partie laterale du dossier sont fixees: une au centre dans une position verticale et les deux autres dans une position oblique niais en sens oppose, toutes ces poignees etant dirigees vers le centre du dossier. Dans une variante, on utilise des plaquettes rem placant par deux les deux branches horizontales et paralleles des poignees, ces plaquettes etant, gene ralement, venues de fabrication avec le bati du dossier. Ces plaquettes sont percees au centre d'un trou circulaire permettant de les reunir par deux au moyen d'un boulona tete moletee, l'autre extremite filetee du boulon correspondant au filetage du trou circulaire taraude dans l'une ou l'autre des deux plaquettes, l'extremite posterieure de la sangle etant retenue sur le boulona l'interieur des deux pla quettes au moyen du creux forme par l'extremite de la sangle avec le coulant. Les plaquettes peuvent etre disposees obliquement par paire, chaque paire de plaquettes etant fixee en sens oppose et dirigee vers le centre du siege. Pinces realisees en une seule piece en un metala ressort ou en un metal laminea froid ayant les qualites d'un ressort, comportant une gorge arrondie a la pliure entre les branches superposees de la pince, cette gorge servant d'epaulement et de butee au montant anterieur de la boucle d'accrochage. L'extremite de la branche du dessus de la pince est recourbee vers le haut en forme de becquet pour faciliter l'introduction de la boucle d'accrochagea l'interieur de la gorge de la pince, la branche du dessous de la pince etant plus longue et plus large que la partie du dessus. Le point de serrage de l'attache est realise par un etranglement des deux parties de l'attache ou bien d'une seule desaxee vers l'interieur pour faire ressort entre la gorge de la boucle et le becquet. Dans une variante, la bandede metal employee pour faconner la pince est d'epaisseur degressivea partir du cambrage de la pince jusqu'au becquet ou l'epaisseur est la moindre. Dans une deuxieme variante, la pince est realisee au moyen de deux pinces superposees, reliees en semblea partir de leur base, l'une des deux pinces pouvant avoir une epaisseur egale ou superieurea celle de l'autre. Dans une troisieme variante, la pince est realisee au moyen de deux pinces superposees, reliees en. semblea leur base, l'une des deux pinces pouvant avoir une epaisseur superieurea celle de l'autre et etre d'epaisseur degressivea partir du cambrage de la pince jusqu'au becquet ou l'epaisseur du metal est la moindre. Dans une quatrieme variante, la pince est realisee au moyen d'une plaquette, d'epaisseur moyenne, dont on a cambre le bord anterieur vers l'arriere pour lui donner une forme demi–cylindrique cor. respondant, approximativement,a la moitie du dia metre du montant anterieur de la boucle d'accro chage des extremites des sangles de la ceinture de securite. Cette plaquette est revetue d'une pincea double branche superposee,

realisee au moyen d'un metal a ressort de faible epaisseur ou d'epaisseur degres sive qui deborde largement le cambrage de la plaquette et se termine par un becquet en formant un etranglement des parties extremes de la pince. Les deux parties de l'attache sont assembleesa leur base, par exemple, par quelques points de soudure. Ceintures de securite pour sieges individuels realisees au moyen d'une ou mieux de plusieurs sangles disposees de facon diversesa partir d'une seule sangle. Les parties laterales des dossiers ainsi que le dos de ces dossiers sont pourvus d'organes de retenue constitues par des pinces ou des poignees permettant d'accrocher les extremites des sangles ou de les retenir directement, sans que ces extremites com portent, elles−memes, des organes d'accrochage. Toutes les sangles sont pourvues de coulants per mettant de regler les dimensions des parties de la ceinturede securite. Ceinture de securite composee d'une seule sangle disposee horizontalement, comportanta chaque extremite un organe d'accrochage constitue soit par une boucle pour chacune des deux extremites, soit par une boucle pour une extremite et par une pince pour l'autre, soit par deux pinces, ces extremites etant pourvues chacune d'un coulant permettant de regler la largeur de la ceinture. Ceinture de securite realisee en deux parties de sangles disposees horizontalement, les extremites anterieures etant pourvues d'une boucle pour une partie et d'une pince pour l'autre permettant d'accrocher les deux parties de la ceinture, les extremites posterieures se terminant, soit par une boucle pour chacune des deux extremites, soit par une boucle pour une extremite et une pince pour l'autre, soit par deux pinces. Ceinturede securite constituee par une ou plu sieurs parties de sangles, dont la partie centrale est de dimensions plus importantes que les parties adjacentes de la ceinture; elle comporte un coulant a chaque extremite ainsi que des organes d'accro chage constitues soit par deux boucles, soit par deux pinces, ces extremites pouvant, egalement, etre retenues directement sur le montant des poignees. Ceinture de securite constituee, environ, pour trois quarts par une sangle disposee horizontalement a laquelle sont rattachees ensemblea l'extremite anterieure ou posterieure de cette sangle deux parties de sangles dont l'une est dirigee vers le haut du dossier et l'autre vers le bas en formant une figure angulairea sommet tronque, l'extremite de la sangle disposee horizontalement comportant un coulant ainsi que chacune des deux sangles disposees en diagonales, les organes d'accrochage etant iden tiquesa ceux de la ceinture precedente. Ceinture de securite constituee par une sangle disposee horizontalementa chaque extremite de laquelle sont solidaires deux parties de sangles s'etendant en diagonales, Fune vers la partie laterale du haut du dossier et Pautre vers le bas, l'une des deux parties etant cousue directement sur la sangle horizontale, tandis que l'autre est relieea cette sangle au moyen d'un anneau oblong qui permet le deplacementde la sangle horizontalea l'interieur d'un coulant, les extremites de chacune de ces deux sangles s'etendant en diagonales etant fixees sur une boucle de dimensions en rapport avec Pouverture d'angle formee par ces sangles; les pinces de retenue fixeesaux parties laterales des dossiers etant de dimensions en rapport avec ces boucles. Ceinturede securite constituee par une sangle disposee horizontalementa une extremite de laquelle sont rattachees ensemble deux sangles disposees en diagonales, l'une etant dirigee vers le haut du dossier et l'autre vers le bas, Pautre extremite de la sangle disposee horizontalement etant engagee dans la fente d'une pince qui lui permet de coulisser etant pourvue d'un coulant. Pour accrocher cette pince, on a ajoute une boucle que l'on a fixeea la pliure d'une deuxieme paire de sangles fixees comme la premiere en diagonales, mais en sens oppose. Les extremites des sangles diagonales etant fixees par paire sur une boucle de grande dimension en rapport avec l'ouverture d'angle de ces sangles. Ceinture de securite constituee par une sangle disposee horizontalement et dont on a introduit chaque extremitea Pinterieur de la fente pratiquee a la partie posterieure d'une pince pour lui per mettre de coulisser au moyen de coulants. Pour accrocher cette pince, on a ajoute une boucle que Pon a fixeea la pliure d'une paire de sangles dis posees en forme d'anglea sommet tronque et que l'on a accrocheea chaque extremite de la ceinture, l'une des deux sangles de chaque paire etant dirigee vers la partie laterale du haut du dossier et Pautre vers le bas, les extremites posterieures de ces sangles etant fixees ensemble par paire sur une autre boucle de− grande dimension, la pince de retenue fixeea la partie laterale de chaque cote du dossier et destineea accrocher cette boucle, etant de dimensions en rapport avec celle−ci. Ceinture de securite, composee d'une sangle dis posee horizontalement et realisee avec une partie centrale de dimensions plus importantes que les parties adjacentes−de la ceinture. Elle peut, egale ment, etre realisee en plusieurs parties de sangles reunies par couture. Elle est, en outre, caracterisee par le fait qu7elle ne comporte aucune partie metallique en regard des organes abdominaux. De chaque extremite de cette sangle sont solidaires deux parties de sangles s'etendant en diagonales, f une vers la partie laterale du haut du dossier et fautre vers le −bas, chaque partie angulaire etant reliee par son sommet tronquea une extremite de la sangle horizontale au moyen d'un anneau oblong qui sert de lien entre les deux parties et qui permet de faire coulisser la sangle horizontale au moyen de coulants. On a fixe les extremites de chacune des deux parties s'etendant en diagonales sur une boucle de dimensions en rapport avec l'ouverture d'angle forme par ces angles obliques, les pinces retenant la ceinture de securite et fixees sur les parties laterales du dossier, etant de dimensions en rapport avec celles des boucles. Ceinture de securite realisee en deux parties, chacune comprenant une sangle disposee horizon talement, de l'extremite posterieure de laquelle sont solidaires deux parties de sangles s'etendant en diagonales, l'une vers la partie laterale du haut du dossier et l'autre vers le bas, l'extremite anterieure de chaque partiede sangle horizontale comportant un organe d'accrochage permettant de reunir les deux parties de la ceinture et constitue pour une partie par une boucle et pour Fautre partie par une pince, chacune des deux parties de sangle horizon tale comportant un coulant; les extremites poste rieures des sangles disposees en forme angulaire etant fixees sur une boucle de dimensions en rapport avec l'ouverture d'angle de ces sangles angulaires, les pinces de retenue de la ceinture de securite fixees sur les− parties laterales du dossier etant de dimensions en rapport avec celles des boucles. Ceinture de securite composee d7une sangle dis posee horizontalement et surmontee vers son centre d'une sangle −s'etendant en diagonale vers le haut de la partie laterale du dossier ou, pour former bretelle, vers le dos du dossier. La sangle horizontale comportea chaque extre mite un coulant permettant de faire varier la largeur de la ceinture, la sangle en diagonale se reglant par le meme procede. La sangle en diagonale est accrochee soit sur une partie laterale du dossier, soit au dos du dossier, tandis que les extremites greater than lasangle horizontale sont accrochees sur les parties laterales du dossier, les organes d'accrochage etant constitues par des boucles tandis que les organes de retenue de la ceinture de securite sont constitues par des pinces. Ceinture de securite realisee en deux parties, chacune comportant, une sangle disposee horizon talement, de

l'extremite anterieure de laquelle est solidaire une deuxieme sangle s'etendant du dia gonale vers le haut de la partie laterale du dossier, le point de convergence des deux sangles de chaque partie de la ceinture formant un sommet tronque sur lequel est fixe l'organe d'accrochage permettant de reunir les deux parties de la ceinture qui est constitue, pour une partie, de la ceinture parun boucle, et pour l'autre par une pince, les deux parties de la ceinture se situant sur un plan angu– laire oppose et les extremites posterieuresde toutes les sangles etant pourvues de coulants etde boucles d'accrochage. Ceinture de securite identiquea la precedente mais ayant les sangles diagonales inversees et diri gees vers le bas des parties laterales du dossier au lieu d'etre dirigees vers le haut. Ceinture de securite composee d'une sangle disposee horizontalement, d'une extremite de la quelle est solidaire une deuxieme sangle dirigee en diagonale vers le haut d'une partie laterale du dossier. Le point de convergence des deux sangles forme un sommet tronque. On a fixe des coulantsa l'extremite posterieure de chacune des deux sangles et egalement trois boucles d'accrochage: unea chaque extremite de la sangle horizontale, la troisiemea l'extremite posterieurede la sangle oblique permettant de les accrocher aux pinces fixees aux parties laterales du dossier. Ceinture de securite identiquea la precedente, mais ayant la sangle diagonale inversee et dirigee versle basde la partie laterale du dossier au lieu d'etre dirigee vers le haut. Ceintures de securite analogues aux deux types precedents mais comportant des pattes de liaison transversales permettant de renforcer les sangles entre elles. Ceinture de securite composee de deux sangles disposees angulairement, le pointde convergence des deux sangles formant un sommet tronque sur lequel est fixe une boucle d'accrochage, l'une des sangles en diagonale etant dirigee vers la partie laterale du haut du dossier et l'autre versle bas, les extremites posterieures des deux sangles etant munies de coulants et de boucles d'accrochage. Ceinturede securite analoguea la precedente, mais dans celle–ci les sangles ont ete renforcees entre elles par des pattesde liaison transversales. Ceinture de securite comportant trois sangles, la sangle centrale etant placee dans le sens hori zontal et les deux autres dirigees en diagonales, l'une vers la partie laterale du haut du dossier et l'autre versle bas, les extremitesde chacune des trois sangles etant reunies ensemble et formant un sommet tronque sur lequel est fixee une boucle d'ac crochage, l'extremite posterieurede chacune des trois sangles etant pourvue de coulant et de boucle d'accrochage. Ceinture de securite composee d'une sangle disposee horizontalement et de deux sangles com plementaires fixees en diagonales sur la premiere, les sangles en diagonales partant d'un point corres pondanta l'arrondi du thorax pour aboutir pres des aisselles. Les extremites des sangles horizontales et diago nales sont fixees par paire sur une boucle de grande dimension, une partie du montant de cette boucle ayant ete desaxee et inclinee dansle haut vers l'avant pour correspondrea l'angie d'inclinaison de l'extremite de la sangle oblique, les pinces de retenue fixees sur les parties laterales du dossier etant de dimensions en rapport avec celles des boucles. On a fixe des coulants aux extremites des sangles. Ceinturede securite identiquea la precedente, mais dans celle–ci les sangles obliques sont inversees et dirigees vers la partie laterale du bas du dossier; il en est de meme pour la partie du montant ante rieur de la boucle qui se trouve incline en sens inverse. Ceinturede securite constituee par une partie de sangle disposee horizontalement constituant la partie centralede la ceinture,de chaque extremite de laquelle sont solidaires deux sangles disposees en forme d'angle aigu, l'une des sangles etant diri gee obliquement vers le haut de la partie laterale du dossier et l'autre vers le bas, les parties de chaque cotede la ceinture disposees en diagonales se situant en sens angulaire oppose, les extremites posterieures de ces sangles etant fixees ensemble par paire sur une boucle de grande dimension ayant une partie anterieure desaxee inclinee en haut et en bas vers l'avant et correspondanta l'incli naison des extremites des sangles, les pincesde retenue fixees sur les parties laterales du dossier etantde dimensions en rapport avec celles des boucles. On a fixe des coulants aux extremites des sangles. Ceinture de securite composee de quatre sangles disposees angulairernent par deux,le point de convergence des deux sangles de chaque partie se situant au centrede la ceinture et formant un sommet tronque. Les deux sommets places cotea cote sont reunis ensemble, la paire de sangles de chaque partie se situant sur un plan angulaire oppo se. On a renforce la partie centrale de la ceinture par une piece de formes adequates, comme on l'a fait pour les sommets tronques des autres ceintures, et on a fixe les extremites posterieures de chaque pairede sangles sur une boucle d'une disposition analoguea celle de la ceinture precedente apres avoir introduit des coulants sur chacunede ces quatre sangles. Ceinture de securite comportant une sangle dis posee horizontalement du centrede laquelle emer gent, partant d'un point commun et dirigees vers le haut de la partie laterale de chaque cote du dossier, deux sangles fixees en diagonales sur un plan angulaire oppose, les extremites posterieures des sangles etant montees par paire sur des boucles ayant, dans le haut, une partie du montant anterieur desaxe et incline vers l'interieur. On a renforce la partie centralede la ceinture par une piece de formes adequates et on a fixe des coulants aux extremites posterieures des sangles. Ceinturede securite identiquea la precedente, mais, ici, les sangles disposees en diagonales sont inversees et dirigees vers le bas des parties laterales du dossier, les extremites des sangles etant montees par paire sur des boucles avant dans le bas une par tie du montant anterieur desaxe et incline vers Pinterieur. Les pinces de retenue fixees sur les parties late rales du dossier sont, pour les six ceintures de securite precedentes, de dimensions en rapport avec les bouclesde grande dimension sur lesquelles sont fixees par paire les sangies diagonalesde ces ceintures. Toutes ces sangles comportent des coulants, les coutures d'assemblage etant faites en triple, quadruple et meme quiwLuple rangees. Ceinture de securite realisee au moyen de deux sangles superposees horizontalement et placeesa une certaine dieiance l'une de l'autre,de facona ce que la sangle superieure retienne le haut du thorax et la sangle inferieure les parties abdominales, les ex+.re––Qates posterieuresde ces sangles etant retenues ensemble de chaque cate, sur un montant metallique dont les exuemites sont repliees sur elles–memes pour former chacune une boucle, les extremites des sangles etant retenues surle montant anterieur de ces boucles. Lqs boucles de, ce dispositif sont accrochees sur des pinces fixees sur les parties laterales du dossier, ce accrochage etant realise en un seul temps pour chaque pairede boucles au moyen d'une poignee centrale exterieure ou interieure permettant d'accro cher ou de decrocher l'ensemble des deux boucles de chaque montant– On a fixe des coulants de chaque cote des extremites des sangles. Ceinture de securite realisee en deux parties, chacune d'elles formant un ensemble angulaire constitue par deux sangles disposees en diagonales et dirigees l'une vers la partie laterale du haut du dossier et l'autre vers la partie laterale du bas, le pointde convergence de chaque pairede sangles formant un sommet tronque, les deux partiesde la ceinture se situant en regard des sommets tron ques sur un plan angulaire oppose. On a

renforce par une piece de conformation adequate les extre mites comportant les sommets tronques et ony a fixe les organes d'accrochage permettant d'ac#,rocher ensemble les deux partiesde la ceinture, ces organes etant constitues pour une partie par une boucle et pour l'autre par une pince, les extremites poste rieures des sangles etant pourvues de coulants et de boucles d'accrochage. Ceinture de securite realisee en deux parties, chacune d'elles comprenant une sangle disposee horizontalement de laquelle sont solidaires deux sangles disposees en diagonales, l'une etant dirigee vers la partie laterale du haut du dossier et l'autre versle bas, le pointde convergence des trois sangles etant constituea l'extremite anterieure de la sangle horizontale par une partie tronquee realisee avec l'exiremite anterieure des deux autres sangles diago nales. On a renforce par une piece de conformation adequate les extremites comportant les sommets tronques et ony a fixe les organes d'accrochage permettant d'accrocher ensemble les deux parties de la ceinture, ces organes etant constitues pour une partie par une boucle et pour l'autre partie par une pince, les extremites posterieures des sangles etant pourvues de coulants etde boucles d'accrochage. Ceinturede securite realisee en deux parties, chacune d'elles qui se situe sur un plan angulaire oppose comprend une sangle dirigee en diagonale vers la partie laterale du bas du dossier et une deuxieme sangle, solidaire de la premiere, qui forme bretelle et qui est dirigee en diagonale vers le dos du dossier,le point de convergence etant cosntitue parle point d'attache des extremites atite– rieures des deux sangles.On a fixe par couture une piece de renfort formant un sommet tronque avec les extremi' tes anterieures des deux sangles et ony a introduit les organes d'accrochage permettantde reunir les deux parties de la ceinture, ceux ci etant constitues, pour une partie par une boucle et pour Pautre partie par une pince. On a pourvu les ex–Lre– mi–Les posterieures des sanglesde coulants et de boucles d'accrochage. Ceinturede securite realisee en deux parties, chacune comportant une sangle disposee horizon talement, de l'extremite anterieurede laquelle sont solidaires deux sangles s'etendant en diagonales, l'une vers la partie laterale du bas du dossier, et l'autre qui forme bretelle, vers le haut, pour etre fixee au dos du siege, les deux par–Lies angulaires de la ceinture se situant, en regard des sommets tronques, en sens oppose. On a renforce par une piece de conformation adequate les extremites anterieures des sangles formant le sommet tronque et ony a fixe les organes d'accrochage permettant de reunir les deux parties de la ceinture, ces organes etant constitues pour –une partie par une boucle et pour l'autre partie par lin pince, les extremites posterieures des sangles etant pourvues de coulants etde boucles d'accro# chage. Ceinture de securite realisee en deux parties, chacune d'elles comportant une sangle disposee horizontalement, de laquelle sont solidaires trois sangles, l'une s'etendant dansle sens verticul et vers le bas pour etre fixee sur une partie laterale du bati de siege, une deuxieme sangle s'etendant en diagonale vers le haut pour etre fixee au dos du dossier, cette sangle formant bretelle, et une troi sieme sangle s'etendant en oblique vers le bas du dossier, les deux parties de la ceinture se situant en regard en sens oppose. Les extremites anterieures des quatre sangles de chaque partie de la ceinture sont reunies ensemble par couture ou au moyen d'oeillets metalliques. On a renforce cet assemblage par la fixation d'une piecede conformation adequatea l'interieur de laquelle on a fixe les organes d'accrochage permet tantde reunir les deux partiesde la ceinturede securite, consthues, pour une partie de la ceinture par une boucle et pour l'autre par une pince. Les extremites posterieures de toutes les sangles de cette ceinturede securite sont pourvues de boucles qui sont accrocheesa des pinces fixees dans le meme sens que les bQueles, sur la partie laterale de chaque cote du dossier et du bati de siege, les bretelles etant retenues au dos, sous l'arrondi du haut du dossier. Pour toutes les ceintures de securite, de n'importe quel type, les boucles d'accrochage fixees aux extre mites posterieures des sangles peuvent etre rem placees par des pinces, lorsque les parties laterales des dossiers comportent des poignees; les extre. mites posterieures des sangles pouvant, egalement, etre fixees directement sur les poignees sans l'aide d'organe d'accrochage et selon l'invention. On prolonge avantageusement les extremites anterieures des sangles sous les organes d'accro chage permettantde reunir les deux parties de la ceinture, lorsqu'ils se situent en regard des parties abdominales. Les elements permettant de retenir les extremites superieures des montants des ceinturesde securite au dos des banquettes avant, sont fixes au–dessous de l'arrondi forme par la partie superieure du dossier. Ils sont, generalement, realises au moyen de deux supports soudes au dos des montants extremes du bati de la banquette et perces, de part en part, d'un orifice circulaire. Une barre cylindrique dont les extremites sont filetees est introduite dans ces supports et immo bilisee au moyen d'ecrous moletes prenant appui contre les joues ex7lerieures de ces supports. On a, auparavant, introduit les extremites superieures des montants des ceintures de securite sur la barre cylindrique au moyen du creux forme par l'extr and mite de la sangle avec le coulant. La resistance de la barre cylindrique peut etre augmentee par l'adjonction d'un troisieme support fixe au centre du dosde la banquette, dansle meme prolongement que les deux autres supports. La barre cylindrique peut venir d'usinage nue ou comporter des nervures, la distance entre deux nervures etanta peu pres egalea la largeur d'un montant de la ceinture de securite. La barre cylindrique peut etre realisee en deux parties, generalement d'egale dimension, chacune etant filetee aux deux extremites et introduite, dans un meme prolongement,a l'interieurde deux paires de supports, les extremites de ces barres etant immobilisees contre les joues exterieuresde ces supports au moyen d'ecrous moletes dans les memes conditions que la barre cylindrique d'une seule piece. Chaque partiede barre cylindrique peut etre realisee avec une tete fixe qui est moletee, l'autre extremitede cette barre etant filetee pour etre visseea l'interieur du support en regard qui a ete taraudea cet effet. Ces petites barres peuvent comporter des bourrelets en forme de nervures, comme la barre cylindrique venue d'une seule piece. La barre cylindrique peut etre remplacee par une barrede section rectangulaire sur laquelle on a soude, de bout en bow, eta des intervalles convenables, des crcche–#s cambres vers l'arriere ou des pinces, permettant d'accrocher les boucles des extremites posterieures des montants des ceinturesde securite. On plaque cette barre au dos de la banquette avant et on fixe les extremites cou deesa angle droit, formant des languettes, contre les joues interieures des supports, soit par soudure, soit par vissage, les languettes et les supports etant, dans ce dernier cas, prealablement perces de trous taraudes en regard. Les elements permettantde retenir les extremites inferieures des montants des ceinturesde securite sont contenus dans un espace realise entre la trac verse posterieure du batide siege et le basde l'arrondi du dossier de la banquette avant. On realise cette fixation au moyen d'une barre cylindrique dont les extremites sont filetees et inserees dans des trous taraudes, perces de bout en bouta travers les montants extremes du bati de la banquette, l'introduction des extremites inferieures des montantsde la ceinture de securite sur la barre cylindrique etant realisee au moyen d'une pince speciale,

conformea l'invention, dont les extre mites des montants de la ceinture peuvent etre pourvues et qui accrochent la barre cylindrique. Cette fixation peut etre realisee de preference au moyen d'une barre cylindrique amovible retenue par ses extremitesa l'interieurde deux chapes soudees sur la traverse posterieure du bati de siege, en meme temps que sur les parois internes des montants extremes du bati de la banquette. La barre peut venir d'usinage nue ou de moud lage avec des nervures servantde gorge et de butee aux extremites inferieures des montants de la ceinture. Avant l'introduction de la barre cylindriquea l'interieur des chapes, on aplace les extremites inferieures des montants directement sur la barre cylindrique, au moyen du creux forme par l'extre mite du montant avecle coulant. Lorsque les extremites inferieures des sangles verticales comportent des pinces d'accrochage ces pinces sont accrochees ou decrochees direc, tement sur la barre cylindrique sans avoira effectuer le deplacement de la barre cylindrique de Finterieur de ses chapes. Dans une autre variante, cette fixation peut etre realisee au moyende deux barres cylindriquesde dimensions reduites, amoviblesa l'interieur de deux paires de chapes, soudees dans un meme prolongement de chaque cote du bati de la banquette, les chapes extremes etant soudees sur la traverse posterieure du bati de siege en meme temps que sur la face interne– des montants extremes de ce bati, les chapes centrales etant soudees sur la traverse, en regard eta peu de distance l'une de l'autre, l'introduction des extremites inferieures des montants s'effectuant de la meme facon que pour les barres longues. Dans une quatrieme variante, on utilise une barre de section rectangulaire dont les extremites sont coudeesa angle droit pour former des languettes, cette barre etant plaquee sur la traverse posterieure du bati de siege en meme temps qu7elle est plaquee par ses languettes sur la face interne des montants extremes du bati de la banquette ou elle est vissee ou mieux soudee. Les organes de retenue des extremites inferieures des ceintures de securite fixes sur la barre de section rectangulaire consistent en des crochets de formes variees' cambres vers l'arriere, conformesa l'inven tion, permettant d'accrocher et de retenir les boucles fixees aux extremites des montants de la ceinture. La barrede section rectangulaire peut, egalement, etre amovible et retenuea l'interieurde chapes soudeessur la traverse posterieure du bati de siege, ou elle est immobilisee au moyen d'une lamelle ondulee formant ressort. On utilise un element destinea eviter l'aplatisse ment du rembourrage de l'arrondi du haut du dos sierde la banquette avant ou arriere, par l'emploi d'une piece metallique cintree, conformea l'arrondi presente par les sommets des montants extremes du batide la banquette, d'une longueur approxi– inativement egalea la largeur de la banquette, les extremites de cette piece–de, renfort etant soudees sur les parties en regard des montants extremes du bati de la banquette. Les ceintures de securite pour banquette avant et arriere sont realisees au moyen des variantes suivantes: Ceinture de, securite realisee en deux parties, chacune d'elles comportant une sangle disposee verticalement au centre de laquelle on afixe par couture, soit directement ou au moyen d'une double languette de renfort, une sangle disposee horizon talement, l'extremite anterieure de chacune des deux sangles horizontales etant pourvue d'un organe d'accrochage permettant de reunir les deux: parties de la ceinture et constitue par une boucle pourun partie de la ceinture et parun pince pour l'autre, des coulants etant fixes sur les sangles horizontales et verticales pour les ajuster aux dimensions voulues. On a pourvu les extremites superieures et infe rieures des montants de la ceinture d'organes d'accrochage qui peuvent etre constitues, comme toutes les autres ceintures, soit de boucles, soit de pinces ou etre introduites directement sur les barres cylindriques realisees en une ou en deux parties. Ceinture de securite realisee au –moyen de deux sangles disposees verticalement et d'une sangle disposee horizontalement fixee vers le milieu des deux montants verticaux et comportant une partie centrale plus importante que les parties adjacentes, la sangle horizontale etant retenue par une de ses extremites sur Pun des montants de la ceinture au moyen d'une, double languette retenant un anneau oblong qui permetle coulissement d'une partie de la sangle horizontale, l'autre extremite de cette sangle se terminant par une pince qui est, elle–meme, accrochee sur une boucle retenue par une double languette fixee au centre du deuxieme mon tant. Des coulants fixes sur les sangles verticales et horizontales permettent de les ajuster aux dimen sions voulues, les extremites des sangles verticales etant, en outre, pourvues soit de boucles, soit de pinces ou pouvant etre retenues directement sur les barres cylindriques realisees en une ou en deux parties. Ceinture de securite realisee en deux parties, chacune d'elles comprenant une sangle disposee verticalement au centre de laquelle on a fixe une sangle disposee horizontalement; on a plie cette sangle horizontale sur elle–meme vers le milieu de sa longueur et Pon a donne un sens obliquea la deuxieme partie de cette sangle en la dirigeant vers la partie laterale du haut du dossier et en fixant son extremite sur la sangle verticale; on a, auparavant introduit un organe d'accrochagea la pliure des sangles angulaires de chaque partie de la ceinture, que l'on a fixe par couture, pour permettre de reunir les deux parties de la ceinture, cet organe etant constitue pour une partie de la ceinture par une boucle et pour Pautre par une pince. Les extremites des sangles verticales sont pour vues de coulants et de boucles– d percent ccrochage. Ceinturede securite realisee en deux parties analoguea la precedente,mais dans celle–ci la sangle horizontale a ete pliee en oblique vers le bas de la partie laterale du dossier au lieu d'etre dirigee vers le haut; Ceinture de securite realisee en deux parties, chacune d'elles comprenant une sangle disposee verticalement sur laquelle sont fixees deux sangles disposees transversalement en forme d'angle aigu a sommet tronque. On a fixe sur chacun de ces sommets un organe d'accrochage permettant de reunir les deux parties de la ceinture constitue pour une partie par une boucle et pour l'autre par une pince, les extremites des sangles verticales etant munies de coulants et de boucles d'accrochage. Ceinture de securite realisee en deux parties, chacune d'elles comportant une sangle disposee verticalement sur laquelle sont fixees deux sangles disposees transversalement en forme d'angle aigu a sommet tronque. On a fixe sur un des sommets tronques un organe d'accrochage constitue par une boucle et sur l'autre sommet de la deuxieme partie de la ceinture un anneau oblong sur le montant anterieur duquel on a introduit une forte languette coulissanta l'interieur de cet anneau au moyen d'un coulant, cette languette etant pourvue a son extremite anterieure d'un organe d'accro chage constitue par une pince permettant d'accro cher la boucle de la deuxieme partie de la ceinture, les extremites des sangles verticales etant munies de coulants et pourvues de boucles d'accrochage. Ceinture de securite realisee en deux parties, chacune d'elles comportant une sangle disposee verticalement de laquelle sont solidaires deux sangles disposees obliquement vers l'interieur, l'une s'etendant par sa partie posterieure vers la partie laterale du haut du dossier et l'autre vers le bas pour former un anglea sommet tronque sur lequel on a fixe les organes d'accrochage permettant de reunir les deux parties de la ceinture et cons titues pour une partie par une boucle et par une pince pour l'autre, les extremites posterieures des sangles angulaires coulissant au moyen

d'un coulant a l'interieur d'un anneau oblong retenu par une double languette fixee sur la sangle verticale. Les extremites des sangles verticales sont munies de coulants et sont pourvues de boucles d'accro chage. Ceinture de securite realisee en deux parties, chacune d'elles comportant une sangle disposee verticalement de laquelle sont solidaires deux sangles disposees obliquement vers l'interieur, l'une s'eten dant par sa partie posterieure vers la partie laterale du haut du dossier et l'autre vers le bas pour former un anglea sommet tronque. On a fixe un anneau oblong sur chacun des sommets tronques et l'on a introduit sur le montant anterieur de ces anneaux une forte languette coulissanta l'interieur des anneaux au moyen d'un coulant, une des languettes etant pourvuea son extremite anterieure d'une boucle et l'autre languette d'une pince permettant de reunir les deux partiesde la ceinture, les extre mites des sangles verticales etant munies de cou lants et pourvues de boucles d'accrochage. Ensemble de ceintures de securite solidaires les unes des autres et realisees par l'emploi de trois montants au lieu de quatre qui devraient etre em ployes normalement, le montant central de la ceinture ayant une largeur superieure au montant de droite oua celui de gauche qui ont, l'un et l'autre, une largeur uniforme. On a fixe sur le montant central deux paires de sangles disposees en forme de trianglea sommet tronque, chaque paire de sangles se situant sur le meme plan en sens angulaire oppose. Pour faire pendanta chaque paire de sangles du montant central, on a fixe, dans un meme prolon gement, sur le montant de droite et sur celui de gauche, une paire de sangles de meme forme angu. laire a sommet tronque en regard des sangles du montant central. Pour pouvoir regler la longueur des sangles angu laires, on utilise un anneau oblong, retenu au montant par une double languette, qui permeta l'extremite posterieure de chaque sangle diagonale de coulisser au moyen d'un coulant. On a fixe les organes d'accrochage permettant de reunir deux 'parties de ceinture sur les deux sommets tronques en regard, ces organes etant cons titues par une boucle pour une partie de la ceinture et par une pince pour l'autre, les extremites des montants de la ceinture etant munie de coulants et pourvues soit de boucles, soit de pinces d'accro chage, ces extremites pouvant etre introduites direc tement sur les barres cylindriques au moyen du creux forme par l'extremite du montant avec le coulant. On peut ajouter un quatrieme montant, solidaire des trois precedents pour obtenir un ensemble de trois ceintures de securite avec quatre montants au lieu de six.A cet effet, le montant de droite ou celui de gauche,a partir du montant central, a une largeur egale au montant central pour recevoir, comme lui, la fixation de deux paires de sangles angulaires, au lieu d'une seule qu'il comportait precedemment. Ceinture de securite realisee en deux parties, chacune etant constituee par deux sangles assem blees en forme d'anglea sommet tronque, l'une des sangles diagonales etant dirigee vers la partie late rale du haut du dossier et l'autre vers le bas, les deux partiesde la ceinture se situant par leur sommet tronque sur un plan angulaire oppose. Les organes d'accrochage reunissant les deux parties de la ceinture de securite sont fixes sur le sommet tronque de chaque partie, ces organes etant constitues par une boucle pour une partie de la ceinture et par une pince pour l'autre. L'organe d'accrochage des extremites poste rieures des sangles est realise au moyen d'une boucle de forme speciale concue avec trois parties angulaires rectilignes et une partie de forme oblique, l'ensemble affectant la forme d'un trapeze rectangle, le montant anterieur oblique de cette boucle rete nant l'extremite posterieure de la sangle oblique. Les quatre sangles sont munies de coulants per mettant d'ajuster la ceinture de securite aux dimen sions voulues. Cette ceinture de securite peut etre–utilisee aussi bien sur les banquettes avant et arriere que sur les sieges individuels. Les dix ceintures de securite ci–dessus, fixees sur les banquettes avant et arriere, comportent aux extremites superieures et inferieures des montants de ces ceintures, des organes d'accrochage diffe rents selon les elements employes pour les retenir. Lorsque l7on emploie une barre cylindrique unie ou nervuree, qdelle soit realisee en une seule ou en deux parties, les extremites des montants de la ceinture peuvent etre introduites et retenues direc tement sur la barre au moyen du creux forme par l'extremite du –montant avec le coulant. –Lorsque les extremites superieures et inferieures des montants comportent des pinces, celles–ci sont accrochees et retenues sur la barre cylindrique. Lorsque l'on emploie des barres– de section rectan gulaire pourvues de crochets, les extremites supe rieures et inferieures des montants des ceintures de securite sont pourvues de boucles qui leur per– mettent d'etre accrochees et retenues sur les crochets de la barre. Les extremites superieures et inferieures des montants des ceintures de securite peuvent, egale ment, comporter des organes d'accrochage differents a chacune de leur extremite lorsque l'on emploie des organes de retenue differents au haut du dos de la banquette et entre le bas du dossier et la partie posterieure du siege. Banquette auiere: Dispositifs de retenue des extremites superieures des montants des ceintures de securite realises au moyen de barres cylindriques ou de–section redan– gulaire dont les extremites sont introduitesa l'inte– rieur de chapes soudees sur les parois,de. chaque cote de la caisse de la voiturea un emplacement correspondanta la partie anterieure de la tablette reliant le haut du dossier de la banquettea la lunette arriere, la longueur de cette barre corres pondant,approximativement,a la distance separant les deux parois de la caisse. Les deux chapes –sont identiques et comportent deux ailes horizontales,a bords posterieurs arrondis, espacees rune de l'autre, un montant vertical on– convexe constituant l'ame de la chape, relie par leur bord anterieur les deux ailes de la chape. Lorsque la tablette est de dimensions reduites, les conformations des chapes s'adaptenta celles des parties en– regard. Une barre de section cylindrique ou rectangulaire est logee asialement dans l'intervalle des ailes des deux chapesa l'interieur desquelles la barre prend appui par ses extremites. La longueur de la barre corresponda la largeur de la caissea 17endroit deternim*e ou la barre est Placee, compte tenu d'un jeu necessaire pour la commodite de la pose et depose. La chape peut etre renforcee en forme d'element de boitier et comporter une face laterale du cote de la paroi de la caisse formant buteea Fextremite de la barre– La barre cylindrique ou de section rectangulaire est immobiliseea]!interieur de la chape au moyen d'une lamelle d7acier a ressort. Cette–lamelle qui a subi une ondulation sur toute sa longueur est cambree et pliee pour former deux parties super posees mais espacees l'une de Pautre. Uagrafe a ressort ainsi formee, est introduitea Pinterieur de la chape dont elle occupe les deux plans superposes et contre lesquels elle se trouve plaquee, la partie cambree de Pagrafe, s'appliquant contre la partie cambree de la chape. Pour immobiliser ragrafe –a ressorta l'interieur de la chape on pratique une mince gorge transver salea chaque extremite posterieure des ailes de la chape dans laquelle on introduit respectivement Yune et Uautre, extremites de la lamelle que Pon a prealablement recourbeea angle droit ou aigu. Les chapes comportent, generalement,a leur partie inferieure une console qui est desaxee vers Pexterieur par rapporta la chape. Cette console qui est constituee par une partie coudeea angle droit comprend une aile horizontale assez etroite et un pan lateral orient6 vers le bas, ce pan etant seul

soude sur les parois de la caisse de la voiture. Les bordsde la tablette –sont entailles pour encastrer les deux chapes et rendre la console in–vi– sible a la vue. La barre cylindrique– peut etre pourvue d7ele– monts de butee sous forme de nervures venues de moulage. avec la barre cylindrique ou rapportees et fixeesa des intervalles correspondanta la largeur des montants de la ceinture. La– barre de section rectangulaire comporte, generalement, des crochets fixes de bout en bout sur la barre, ces crochets pouvant etre de structures diverses, mais recourbes vers Parriere. Les barres cylindriques ou de section rectangu laire peuvent etre scindees en deux parties de barres retenues dans un meme prolongementa l'interieur de deux paires de chapes fixees sur une plaque d'assise reliant les deux parois de la caisse de la voiture et remplacant la partie anterieure de la tablette, les extremitesde cette plaque–pouvant etre recourbeesa angle droit pour former des consoles ou etre soudees sur des consoles inde pendantes, ou etre introduites en surface planea Pinterieur de chapes, toutes ces –consoles qu'elles soient dependantes, independantes ou qu7elles soient venues de moulage avec les chapes, sont toutes soudees sur les parois de chaque cote, de la caisse de la voiture. Les extremites des barres de section rectangulaire peuvent, egalement, etre vissees directement sur des supports aulieu d7etre amoviblesa Pinterieur de chapes, les organes permettant d'accrocher les extremites des montants de la ceinture restant les memes. Les dispositifs de retenue des extremites supe rieures des montants des ceintures de securite donnent lieu, pour les banquettes arriere, aux variantes suivantes: La barre cylindrique est retenue par ses extremites a l'interieur de deux chapes fixees sur les parois de chaque cote de la caisse de la voiturea un empla cement correspondanta la partie anterieurede la tablette et immobiliseea l'interieur des chapes au moyen d'une lamelle ondulee formant ressort, l'accrochage et le decrochage de cette barre s'effec tuant par une simple pression contre les lamelles des deux chapesa la fois. Les extremites superieures des montants de la ceinture sont introduites, soit directement sur la barre cylindrique au moyen du creux forme par l'extremite du montant de la ceinture avec le cou lant, ou accrocheesa la barre au moyen de pinces dont ces extremites peuvent etre munies. Cette autre variante utilise une barre cylindrique pourvue de nervures servant de butee aux montants de la ceinture, la distance entre chaque nervure etant approximativement egalea la largeur du montant de la ceinture. Cette troisieme variante comporte des elements de butee de forme legerement tronconique cons tituant, comme pour la variante precedente, des joues pour la retenue des montantsde la ceinture. Cette quatrieme variante comporte une barre de section rectangulaire sur laquelle on a soude de bout en bout des crochets cambres vers l'arriere, de dimensions en rapport avec les boucles d'accro chage des extremites des montants de la ceinture. Cette cinquieme variante utilise des crochets de dimensions plus reduites permettanta la boucle fixeea l'extremite d'un montant de la ceinture, d'accrocher deux crochetsa la fois. Les barres des cinq variantes ci–dessus sont retenues par leurs extremitesa Pinterieur d'une paire de chapes soudees sur les parois, de chaque cote de la caisse de la voiture, et immobiliseesa l'interieur de ces deux chapes au moyen de lamelles ondulees formant ressort. Les cinq variantes suivantes, de la sixiemea la dixieme, comportent, chacune, une plaque d'assise de forme rectangulaire dont on a recourbe les extre. mitesa angle droit, vers le bas, pour former des consoles, celles–ci etant soudees sur les parois, de chaque cote de la caisse de la voiture,a un empla cement correspondanta la partie anterieure de la tablette. On a fixe sur cette plaque d'assise, deux paires de chapes, dans un meme prolongement, pour permettre l'introduction de deux barresde dimensions reduites, une paire de chapes etant fixee pres de chaque extremite de la plaque, et les deux autres au centre, celles du centre etant fixees l'une tres pres de l'autre, ou meme reunies en un seul bloc, les deux compartiments de la chape etant, dans ce cas, separes au milieu par un pan lateral formant butee. La sixieme variante comporte deux barres cylin. driques unies de dimensions reduites; La septieme variante comporte deux barres cylindriques nervurees de dimensions reduites; La huitieme variante comporte deux barres cylindriques legerement tronconiques de dimen. sions reduites; La distance entre chaque nervure est egalea la largeur d'un montant. Cette neuvieme variante comporte deux parties de barre de section rectangulaire sur lesquelles on a soude, de bout en bout,de larges crochets de dimensions en rapport avec les boucles d'accrochage. Cette dixieme variante comporte deux parties de barre de section rectangulaire sur lesquelles on a soude, de bout en bout, des crochets de dimen sions reduites permettant aux boucles d'accrochage d'accrocher deux crochetsa la fois. Les crochets de cette onzieme variante sont constitues par deux parties horizontales superposees, espacees l'une de Pautre, dont les bords anterieurs sont reunis par une partie verticale, la partie hori zontale superieure de ce crochet pouvant etre inclinee vers l'arriere, ces crochets etant fixes de bout en bout sur une plaque d'assise d'une seule piece. Cette douzieme variante realise une chape a ciel ouvert comprenant trois pans, deux etant dis poses dans le sens axial etle troisieme dans le sens radial reunissant les deux premiers, la console situee au bas du troisieme pan etant legerement desaxee vers Pexterieur, l'introduction de la barre cylindrique s'effectuant parle haut des deux chapes dont les ouvertures se situent en regard, les extre mites de la barre etant immobilisees au moyen de lamelles onduleesa double branche fixeesa l'inte rieur des chapes. Cette treizieme variante concerne une chape comportant deux parties horizontales superposees dont les bords anterieurs sont reunis par une partie verticale, la partie horizontale inferieure etant plus longue que la partie horizontale superieure et se terminant par une patte erigee versle haut et for mant butee, l'introduction des extremites de la barre cylindrique s'effectuant dans l'intervalle realise entre la patte verticale formant butee etle bord posterieur de la partie horizontale superieure. Cette quatorzieme variante comporte un type de chape constitue par une partie horizontale dont les bords anterieur et posterieur comportent chacun une patte erigee vers le haut et inclinee vers l'arriere, l'introduction de la barre cylindrique s'effectuant entre les deux pattes et son immobilisation etant realisee au moyen d'une lamelle onduleea double branche formant ressort. Cette quinzieme variante comporte une chape comprenant deux parties horizontales superposees et espacees dont les bords anterieurs sont reunis par une partie verticale, la partie horizontale infe rieure, d!epaisseur degressive, formant un plan incline vers Pinterieur et, en meme temps, une butee pour la barre cylindrique. Le dispositif de cette seizieme variante dissimule a la vue tous les elements de retenue des extremites superieures des montants des ceintures de securite ainsi que les extremites de ces montants.H utilise, a cet effet, la tablette reliant le haut du dossierde la banquette arrierea la lunette arriere, que l'on scinde en deux parties, le bord posterieur de la partie anterieure, constituant la premiere partie de la tablette, etant articule sur le bord anterieur de la deuxieme partie de la tablette qu# elle, reste fixe et attenantea la lunette arriere. On a pratique des encoches sur le bord anterieur de la premiere partie de la tablette, qui s'ouvre d percent vant en arriere, pour permettrele passage des montants des

ceintures de securite et on a fixe, des attaches magnetiques sous le bord anterieur de la premiere partie de la tablette, les deux parties rea lisant ensemble une surface plane analoguea la surface primitive de la tablette. La dix−septieme variante est sensiblement ana loguea la precedente, mais dans celle−ci le bord anterieur de la tablette n'est pas entaille pour dissi muler aussi completementa la vue les extremites des montants des ceintures de securite, les organes de retenue des montants etant constitues dans cette variante par des crochets de dimensions reduites. La dix−huitieme variante consiste en une chape comportant deux parties horizontales superposees et espacees qui sont reuniesa leur bord anterieur par une partie verticale, ces trois parties etant reuniesa leur tour par un pan lateral fermant completement la chape du cote de la paroi de la caisse de la voiture. La dix−neuvieme variante consiste en une chape comportant deux parties horizontales superposees et espacees, qui sont reuniesa leur bord anterieur par une partie verticale, ces trois parties etant reuniesa leur tour par un pan lateral fermant completement la chape en regard de la paroi de la caisse de la voiture. La partie horizontale inferieure de la chape deborde sur tout son pourtour interieur pour permettre d7encastrer les parties anterieures et en regard de la tablette qui sont decoupees suivant le pourtour de la chape. Pour permettre cet encas trement, on a din−unue l'epaisseur du pourtour de la chape, afin d7obtenir une surface plane de Pen− semble. La vingtieme variante concerne des chapesa double logement. Ces chapes sont fixees sur les parois de chaque cote de la caissede la voiture au moyen de leur console. Chacune comporte trois parties horizontales superposees et espacees, reunies a leur bord anterieur par une partie verticale, les ouvertures laterales des chapes en regard de la paroi de la caisse etant, ensemble, fermees par un pan lateral servant de butee aux extremites de la barre cylindrique ou de section rectangulaire, ce pan lateral s'etendant jusqu'a l'extremite poste rieure des parties horizontales des chapes. La partie horizontale inferieure du logement superieur a ete prolongee posterieurement par une languette dont on a diminue l'epaisseur pour servir de support au bord anterieurde la tablette en regard. La tablette a ete decoupee suivant le pourtourde la chape, afin d'obtenir une surface plane de l'ensemble des parties. L'ouverture inferieure de la chape sert de loge ment aux extremites d'une plaque d'assise sur laquelle on a soude au centre eta egale distance, deux autres chapes que l'on a rapprochees autant que possible l'une de l'autre ou meme que l'on a realisees d#un seul tenant en les separant par un pan central. Les ouvertures des chapes centrales de la plaque d7assise se situent en regard et sur un meme plan que celles des logements superieurs des chapes principales pour permettre, dans un meme prolongement, l'introduction des extremites des deux petites barresa l'interieurde chaque paire de chapes. Les −vingt et unieme, vingt−deu−sieme et vingt− troisieme variantes concernent des supports des tinesa remplacer les chapes; les barres de section rectangulaire utilisees dans ces variantes etant fixees sur ces supports au moyen de vis; les cro chets de retenue permettant d'accrocher les extre mites superieures des montants des ceintures de securite etant, selon Finvention, fixes de bout en bout de la barre. La vingt et unieme variante concerne un support comprenant un montant vertical constituant la console du support;]!extremite superieure de ce montant est coudeea angle droit pour former une languette disposee horizontalement vers l'interieur, la partie anterieure de cette languette etant sur montee d'un deuxieme montant vertical qui est egalement coude,a angle droit et forme une pla quette disposee horizontalement vers l'interieur de la voiture, cette plaquette etant de dimensions plus importantes que la premiere languette et constituant Passise du support. On fixe les extremites de la barre de section rectangulaire sur l'assise des deux supports en regard. La vingt−deuxieme variante est sensiblement iden tiquea la vingt et unieme, mais comporte, en plus, une languette verticale ou oblique surmontant le bord anterieur de l'assise du support et formant butee. La vingt−troisieme variante est sensiblement identiquea la vingt−deuxieme, mais la partie hori zontale du support se presente, ici, en plan incline d'epaisseur degressive vers l'arriere.Il comporte, egalement, une languette verticale qui surmonte le bord anterieur de l'assise du support et qui forme butee. Les assises des supports des vingt et unieme, vingt−deuxieme et vingt−troisieme variantes sont ta,raudees pour recevoir des vis de fixation permet tant de reunir l'assise aux extremites des barres de section rectangulaire qui sont egalement tarau dees en regard des trous d'assise. Une vingt−quatrieme variante concerne la mobi lite de la barre de section rectangulairea l'interieur des chapes, les extremites de cette barre etant remplacees par des axes cylindriques venus d'usi nage d'un seul tenant avec la barre, la longueurde ces axes correspondant, approximativement,a la largeur de l'interieur des chapes. Dispositifs de retenue des extremites inferieures des montants des ceintures de securite et relatifs aux banquettes arriere, au moyen de barres cylin driques ou de section rectangulaire dont les extre. mites sont retenues sur des supports ou mieuxa l'interieur de chapes soudees sur les parois de chaque cote de la caissede la voiture, cette fixation ayant lieu derriere la banquette arriere en regard d'un espace qui a ete constitue entre l'arrondi du bas du dossier et la partie posterieure du siegede la banquette, les organes permettant d'accrocher ou de retenir directement les extremites inferieures des montants des ceinturesde securite, etant les memes que ceux permettantde retenir directement ou d'accrocher les extremites superieures de ces memes montants. Les organes de retenue fixes sur les barresde section rectangulaire et constitues par des crochets et des pinces de conformations diverses permettant d'accrocher les boucles des extremites superieures et inferieures des montants des ceintures de secu rite, peuvent etre realises au moyen des variantes suivantes, donneesa titre d'exemple: Par un element comprenant trois parties, deux etant horizontales et paralleles, espacees l'une de liautre, et la troisieme verticale, reunissant les deux premieresa leur bord anterieur. Par un element constitue par une partie horizon tale surmonteea son extremite anterieure d'une partie arrondie et cambree vers l'arriere; Par un element constitue par une partie hori zontale surmonteea son extremite anterieure d'une partie demi−cylindrique se terminant par une languette horizontale; Par un element constitue par une partie horizon tale dont l'extremite anterieure est surmontee d'une partie arrondie −vers l'arriere, sur l'ensemble des quels on a accroche une seconde attache constituee par une pincea ressort, de meme conformation, mais debordant vers l'arriere l'ensemble de la premiere attache. Cette seconde attache qui peut etre d'epaisseur degressivea partir du cambrage de l'attache, forme un etranglement entre la gorge et le becquet. Par un element constitue par une attache realisee entierement en un metal ayant les proprietes d'un ressort, cette attache comportant une partie hori zontale surmonteea sa partie anterieure d'une gorge arrondiea la pliure entre les deux branches superposees de la pince, la branche superieure etant inclinee vers l'arriere et se terminant par un becquet, les deux parties de l'attache formant un etranglement entre la gorge et le becquet pour servir de buteea la boucle d'accrochage, la bandede metal employee pour faconner cette pince pouvant etre d'epaisseur degressivea partir

du cambrage de la pince jusqu'au becquet. Les banquettes arriere peuvent comporter, au lieude chapes, des rainures pratiquees dans le coffrage des roues arriere, du cote de l'interieur de la voiture, en regard d'un espace qui a ete cons titue entrele bas du dossier et le partie posterieure du siegede la banquette, cette rainure longitudinale etant ouvertea la partie posterieure du coffrage, pour permettre l'introduction des extremites de la barre et fermeea son extremite anterieure par defor mation du metal, realisant, ainsi, une butee pour la barre. La barre cylindrique oude section rectangulaire est immobiliseea l'interieur de la rainure au moyen d'une lamelle onduleea double branche formant ressort, ou mieux par l'introduction d'un ecrou molete pres de chaque extremite filetee de la barre, le blocage de la barre etant realise par le serrage des ecrous moletes contre les parties laterales de la rainuxe en regard des ecrous, cette barre pouvant, ainsi, etre deplacee de bout en bout de la rainure en simultaneite avec le deplacement du siege arriere amovible dans les voitures du type Break. La rainure comporte, generalement,a sa partie inferieure, une serie successive d'elements crantes, par exemple en forme d'U, permettant de realiser une butee complementaire pour renforcer l'action de blocage des ecrous moletes. Les chapes employees pour retenir la barre superieure qui maintient les extremites superieures des montants des ceintures de securite peuvent, egalement, etre remplacees par un systeme de rai nure analogue au precedent mais fixe directement sur les parois de la voiturea l'emplacement des chapes superieures. Ces rainures peuvent, egale ment, etre crantees et les extremites de la barre verrouillees dans les memes conditions que la barre cylindrique inferieure introduite dans la rainure du coffrage de la roue. Pour toutes les voitures du genre Break, la pre sente invention se propose de renforcer le coffrage des roues arriere, du cote de l'interieur de la voi ture, pour permettre l'insertion d7un deuxieme rainure, ces rainures superposees, mais suffisam ment espacees l'une de l'autre, etant destineesa remplacer les deux: paires de chapes de la banquette arriere. Elles permettraient, ainsi, de retenir ensem ble sur le coffrage interieur des roues, les deux barres de fixation des extremites superieures et inferieures des montants des ceintures de securite. Ces deux: paires de rainures peuvent comporter, chacune, une serie successive d7elements crantes, de bout en bout de la rainure, selon l'invention. Toutes les rainures pratiquees dans le coffrage interieur des roues arriere peuvent etre legerement inclinees vers l'interieur de la voiture, realisant une butee complementaire automatique au cas ou, pourun raison indeterminee, les ecrous moletes, plaques contre les parties laterales des rainures –viendraienta se desserrer. On obtient, ainsi, inva riablement, la pleine efficience des ceintures de securite, solidaires des barres cylindriques. 1.RESUMA assembly of a safety device, and its variants, comprising: individual seats 10 integrally formed by an indeformable frame high strength aluminum alloy miniuma comprising a lower frame that supports the panel of the seat covering, the foundation of this bati being constituted by four vertical posts, twoa two reunited at the bottom by a horizontal cross or skating, forming part of each side of the seat. The sole of the shoe next to the floor of the car has full or stamped bosses, consisting of half–spherical Elements from foundry or soudeea the skate shoe and putting in per slide pad inside a glissiere, conformant the invention, which serves as a housing and guide. These bosses are fixesa each end of the sole, but we can increase the number and arrange on a same plane in a determined measure. The upper bati which forms the seat back came in one piece with the lower or bati is reported on it. It constitutes a framework that supports the trim panel of the case, and that can be of trapezoid, rectangular or carree it bati being slightly inclined towards the rear; 20 individual Seats realized in two parts, including a moving record convened by the joint headquarters bati with strong hinges. The elements of these hinges are fixed on each of the two parts of sat reunite and may include, from end to end across the width of the seat, the two parts of the joint being joined by a pin and folder locked by an arm articu lation fixed firstly on the lateral part of the record and, secondly, on the foot of the medium, locking lateral parts of next folders being performed by the same process. The front seats are made of a indeformable frame aluminiuma alloy high strength and realized: 10 one party, the seat including a lower bati supporting the cover plate of the seat, the assisesde this bati being made by each side two uprights, MEETING twoa two at the bottom by a crosspiece forming a frame or runner. The sole of the shoe, next to the floor of the car, includes full bosses or stamped consist of Elements per half–spherical putting the pads of the slide bench inside a glissiere, conformant to the invention which their serve as housing and guide. The backbone of bati the seat of the bench and that of the back frame include, inter vals has equal or different, one or more tra verses; 20 The bench can be made in two parts joined by articulation through one or more hinges disposeesa by equal or different intervals, immobilization of the file at the feet of the medium being obtained by guiding arm and locking header complies the invention, in co–operation with glissieres set screws blocking the bati skate sat inside the glissieres. The glissieres have a groove corre danta the conformation of the seat pads, given the half–spherical bodies still slip under the sole of the shoe, this glissiere being constituted by a profile whose upper part forms a horizontal portion, generally flat to Both sides folded laterally forming the struts, and two flat forming the wings of glissiere, these wings being subject to the floor of the car. The wings are of the same length as the amounts of glissiere forming struts but can be longer than these amounts, and also longer forward and shorter towards the rear and vice versa. The rib has a metal floor plate lic smooth, slightly superior dimensions of both sides of those RUNNER upon which the semi–spherical elements sliding the soles of shoes are provided. The length of the glissiere inferieurea is the length of the seat of the pads to allow the displacement of the patina inside the glissiere, the ends of the glissiere butee forming in col laboration with the angular part of the shoe next. The dorsal part of the glissiere is reinforced for permettrea knurled screw, visseesa through the dorsal part of the giissiere, to build on the base part dorsaledu to allow patina lock inside the glissiere. The arms forming the guide members destinesa connect eta lock the front benches on the feet of the environment and individual seats on piedsdu environment and, also, between them, are composed of parts rectilig GPES the central part may, however, be of concave or convex shape.This arm is fixed radially on each side of the two individual seats or the front seat and connects the outer part of the records laterae to environmental feet, two individual seats being the other par4 locked together, the late ral parts beside the folders by the same process. The guiding and locking brasde is constituted by a part having two vertical legs connected together by an inclined amount, these three parts can be made by distorting a portion of rectangular section bar. Each tab includes a slide destineea allow the displacement of individual seat or the front seat or in the forward or in the back way, through a pivot that supports it and on which we introduce the slide. Aa of the two legs can be of a length superieurea that of the other and simply pierced by a central circular orifice, the other leg having a slide. The legs may be straight or

slightly misaligned in a front or rear position with respect to the oblique amount of the arm. Locking the lateral part of the record on the foot of the medium is carried reused a fixed pivot foot Surle medium and a second fixed pivot on the lateral part of the individual seat or the front seat on which is introduced respectively the scenes of the arm, these pivots with the anterior threaded portion to receive a knurled nut allowing –verrouillage between parties. One obtains a guide arm and double locking importance, by the juxtapositionde two arms that are located in opposed angular, a leg of an arm being juxtaposed with a tab of the other, the two legs being joined by a short bolt through both backstage and highly maintained by tightening a nut knurled, the other two legs being fixed Pune in the middle of the pivot foot and the other on the pivot of the lateral part of the individual seat or front seat, all three nuts being properly clamp for locking the individual seat back or the front seat on the pieddu environment. Using the gradual narrowing of l7espace between the foot of the medium and the lateral part of the record of the individual sieae or the front seat, has as one pupil is up the file, to automatically get the point impact allowing c'te fixerle guide arm, arm moving the moyende its wings around respective pivots. When the point of impact is not fully realized, it uses a rectangular area, degressive thickness, pierced in the radial direction of a slide. The corner is square, generally, has remained Surle pivot and preceded the introduction of the paw of the arm; it allows to exert maximum pressure GRADUATED between partiesa tighten. To lock the parts together using the suitable diameter nuts. The organs for holding the ends of the straps of posterior seat belts fastened on the lateral parts of the dossiers of individual seats, and also on the back of these folders are realized by means of the elements listed after: Handles consisting of two horizontal parts and parallel reuniesa their front part by a vertical post, the posterior parts of the bran ches of handles being fixed by welding on the lateral parts of the bati dossierde seat, these handles can be molded with pla individual or collective Quette carrying them. The amount of the handle can be cut to the center, either horizontally or at an angle, this notch allowing dintroduire; Pextremite higher position by means of a strap. the hollow form by the flowing and deduct]! all parties of the amount through a metal ring lic servantde bridge for reum * on both parties and restoring the continuity of the amount. This ring is cut laterally to form clear and can be deplaceea desire on any part of the amount of the handle to set per liberate the strap. The handles can be placed obliquely in pairs, each handle being fixed in opposite direction and directed towards the center of the seat. Each folder contains, usually six handgrips three handles are fixed to the lateral part of each cotedu folder, and two on the back, these being placed under the rounded form at the top of the file, or in a horizontal direction ment slight slant, these handles being destineesa retaining straps when ceinturede security in corner– door. The three handfuls of each lateral part of the file are fixed: one in the center in a vertical position and the other two in an oblique position simpleton in opposite direction, these handles being being managed towards the center of the record.Alternatively, rem platelets are used by placing two horizontal and two parallel branches of handles, these plates being, gene ally, coming from the manufacturing bati folder. These plates are perforated at the center of a circular hole for bringing together the two by means of a knurled head boulona, the other end of the bolt THREADED corresponding to the thread of the circular threaded hole in one or other of the two platelets, the posterior strap extremity being retained on the inside of both boulona pla bels through the hollow formed by the extremity of the strap with fluency. Platelets can be arranged obliquely in pairs, each pair of plates being fixed in opposite direction and directed towards the center of the seat. Clamps made in one piece en metala a spring or a cold metal laminea having the qualities of a spring, having a rounded throat fold between superimposed branches of the clamp, this groove serving as a shoulder and the amount butee anterior of the hanger loop. The end of the leg from above the clip is bent upwardly shaped spoiler to facilitate insertion of the loop accrochagea inside of the groove of the gripper, the bottom leg of the clip being more longer and wider than the top part. The tightening of the attachment point is realized by a constriction of the two parts of the clip or one skewed to the inside to clear the throat between the loop and the spoiler. Alternatively, the employee bandede to shape the metal clip is thick degressivea from bending the clip until spoiler or the thickness is reduced. In a second variant, the gripper is achieved by means of two superimposed clips connected in semblea from their base, one of the two clamps may have a thickness equal or superieurea that of the other. In a third embodiment, the clamp is made by means of two superimposed clips connected in. semblea their base, one of the two clamps that may have a thickness superieurea one another and be thick degressivea from bending the clip until spoiler or the thickness of the metal is less. In a fourth embodiment, the clip is made by means of a wafer of average thickness, which has the arched anterior edge toward the back to give it a semi–cylindrical shape cor. sponding approximately, has half the dia meter of anterior amount of the loop display of hooked ends of the webbing of the seat belt. This wafer is coated with a double pincea superimposed branch, achieved by means of a metal spring has low thickness or thickness sive degrees which largely overwhelmed the bending of the plate and ends with a spoiler forming a constriction of the parties extremes of the clamp. Both parts of the fastener are assembleesa their base, for example, by welding at several points. Belts for individual seats produced by means of one or more of several ARRANGED straps diversesa way from a single strap. The side portions of the records and the back of these files are provided with retaining members consist of clips or handles for attaching the ends of the straps or engage directly, without these ends are com, them– selves, fastening members. All straps are provided with flowing per putting adjust the dimensions of the parts of the ceinturede security. Seat belt consists of a single strap PREPARED horizontally comportanta each end a fastening member is either a loop for each of the two ends, or by a loop to one end and by a clamp for another, or by two pliers, these ends being each provided with a flowable for adjusting the width of the belt. Seatbelt in two parts–placed straps horizontally, the anterior extremities being provided with a loop for a party and a clip for attaching the other two parts of the belt, the ends posterior ends, or by a loop for each of the two ends, or by a loop to one end and a clamp for the other, or by two clamps. Ceinturede security constituted by one or sev eral parts of straps, the central part of larger dimensions than the adjacent portions of the belt; it has a slip at each end as well as organs addicted display consist of either two loops, or by two clips, the ends can, also, be selected directly on the amount of handles.Safety belt constituted, approximately three quarters by a horizontally PREPARED strap which holds ensemblea the anterior or posterior extremity of this two–part webbing straps, one of which is directed towards the top of the back and the other to down, forming a figure angulairea top truncates the extremity of PREPARED strap with a flowing horizontally and each of both disposed diagonal straps, the hooking means being identical tiquesa those of the previous belt. Seatbelt constituted by a

strap PREPARED horizontalementa each end which are integral parts of both straps extending diagonally, Fune to the lateral part of the upper back and Pautre down, one of the two parts being sewn directly horizontal strap, while the other is–connected to the strap by means of an oblong ring which allows the strap deplacementde horizontalea inside a casting, the ends of each of the two straps extending diagonals being attached a loop dimensions related to the opening angle formed by these straps; the retaining clips fixeesaux end parts of the files being dimensions in relation to these loops. Ceinturede security constituted by PREPARED horizontalementa strap one end of which holds together both disposed diagonal straps, one being directed towards the top of the back and the other down, Pautre extremity of the strap horizontally PREPARED being instituted in the slot of a clamp which allows it to slide being provided with a slip. To attach this clamp was added a loop which was fixeea the fold of a second pair of straps attached as the first diagonal, but in opposite direction. The ends of the diagonal straps being attached in pairs on a loop of large size in relation to the opening angle of these straps. Seatbelt constituted by a strap PREPARED horizontally and each Pinterieur extremitea was introduced in the slot has practiced the posterior portion of a clip for it to per slide through streaming. To attach this clamp was added a loop that Pon fixeea the fold of a pair of said straps placed in the shape of truncated Anglea top and which was accrocheea each end of the belt, one of the two straps of each pair being directed towards the lateral part of the upper back and Pautre down the posterior ends of these straps being secured together in pairs on another loop de large, the retaining clip fixeea the lateral portion of each side the file and destineea hang this loop size being related to it. Seat belt, composed of a strap placed horizontally say and realized with a central part of larger dimensions than the adjacent belt–parties. It may, ment equal, be made in several parts assembled by stitching straps. It is further characterized by the fact qu7elle contains no metal part facing the abdominal organs. Each end of the strap are integral parts of two straps extending diagonal, f a to the side of the top of the backrest and to the Wother out there, each angular part being connected by its apex tronquea one end of the horizontal strap through an oblong ring that serves as a link between the two parties and enables to slide the horizontal strap through streaming. Extending from the ends of each is fixed to both sides diagonally on a loop of dimensions related with the opening angle formed by the oblique angles, the clamps holding the seat belt and attached to the lateral portions of the record, report being in dimensions with those loops. Seatbelt in two parts, each with a strap PREPARED horizon tally, the posterior extremity of which are integral parts of both straps extending diagonally, toward the lateral portion of the top of the back and the other down, the anterior extremity of each partiede horizontal strap with a fastening member to reunite the two parts of the belt and is a portion of a loop and Fother part by a clamp, both parties strap horizon tale with a slip; the ends of the post EXTERIORFEATURES ARRANGED straps angular being attached to a loop of dimensions related with the opening angle of the angular straps, clamps holding the SET seatbelt on les– end parts of the file being dimensions in relation to those loops.Safety belt webbing composed d7une tell placed horizontally and surmounted towards the center of a diagonal strap –s'etendant up the lateral part of the record or to form ramp, toward the back of the folder. The horizontal strap comportea each moth extre a slip for varying the width of the belt, the diagonal strap REGULATING by the same process. The diagonal strap is attached either on a side part of the record, or the back of the case, while the horizontal extremities Greater Than lasangle are hung on the lateral portions of the record, the attachment members consisting of loops while retainers of the seat belt are constituted by clamps. Seatbelt in two parts, each with a PREPARED horizon tally strap, the anterior extremity of which is secured a second strap extending dia gonal up the lateral part of the record, the point of convergence of two straps of each part of the belt forming a truncated top on which is fixed the attachment member to reunite the two parts of the belt which constitutes a portion of the belt loop Parun, and the other by a clamp, the two parts of the belt lying on an angular plane and opposed ends posterieuresde all straps are provided with rams ETDE hooking loops. Seatbelt identiquea the previous but with inverted and diagonal straps diri gees down the lateral parts of the file instead of being up being managed. Seat belt composed of a strap PREPARED horizontally from one end of which is secured a second strap directed diagonally upward to a side part of the record. The focal point of the two straps form a truncated summit. We coulantsa sets the posterior extremity of the two straps and also three hanging loops: UNEA each end of the horizontal strap, the troisiemea the extremity posterieurede oblique strap to hang the SET clips to lateral parts folder. Seatbelt identiquea the previous, but having the inverted diagonal strap and directed versle thereMany the lateral part of the file instead of being directed upward. Belts similar to both precedents but having transverse connecting bridges to strengthen the straps together. Seatbelt straps composed of both disposed angularly pointde the convergence of two straps forming an apex truncate on which is fixed a hanging loop, one of the diagonal straps being directed towards the lateral part of the upper back and the Another versle bottom, the posterior ends of the two straps being equipped with streaming and hanging loops. Ceinturede security analoguea the previous, but in this one the straps were tightened together by cross–linking pattesde. Seat belts with three straps, the central strap is placed in line hori zontal and the other two being managed diagonal, toward the lateral portion of the top of the back and the other versle down the extremitesde all three straps being joined together and forming a truncated apex to which is attached a loop ac crochage, the end posterieurede each of the three straps being provided with flowing and hooking loop. Seat belt composed of a strap PREPARED horizontally and two straps com mentary FIXED diagonal on first, diagonal straps starting from a corre pondanta rounding the point of the chest to reach near the armpits. The ends of the horizontal straps and Diago tions are fixed in pairs on a large loop, part of the proceeds of this loop has been skewed and inclined Inthe top forwards to correspond to the inclination of extremity of angie the oblique strap, assessed retaining clips on the side portions of the back being of dimensions in relation to those loops. It was fixed for streaming at the ends of the straps. Ceinturede security identiquea the previous, but in this oblique straps are reversed and being managed to the lateral part of the lower back; it is the same for the portion of the amount ante Procedure of the loop that is tilted backwards.Ceinturede security constituted by part of PREPARED strap horizontally as Part centralede the belt, each end of which are fixed both disposed straps shaped acute angle, one of the straps being diri gee obliquely upward of the game Side of the folder and the other down, the parts of each ARRANGED cotede the diagonal belt lying in angular opposite direction, the posterior ends of the straps being secured together in pairs on a large loop having a previous off–axis part tilted up and down forward and correspondanta Incli incline of the ends of the straps, pincesde retained fixed on the lateral parts of the

dossier etantde dimensions related to those loops. It was fixed for streaming at the ends of the straps. Seatbelt composed of four ARRANGED angulairernent by two straps, the focal point of the two straps of each part lying in centrede the belt and forming an apex truncate. The two side seats Cotea vertices are reunited together, the pair of straps each part being on an oppo angular plan. It has strengthened the central part of the belt by a room shapes adequate, as was done for the truncated tops of other belts and the posterior ends are fixed to each pairede straps on a loop of a provision that analoguea of the previous belt after having introduced streaming on chacunede four straps. Safety belt with a strap placed horizontally say the emer gent centrede which, starting from a common point and being managed to the top of the lateral portion of each side of the case, two straps attached diagonally to an angular plane opposes the posterior ends straps being montees pair of loops having the top part of the amount anterior and off axis tilts inwards. It has strengthened the party centralede belt by room shapes adequate and was fixed for streaming to posterior ends of the straps. Ceinturede security identiquea the previous, but here the diagonal straps ARRANGED are reversed and being managed down the lateral portions of the record, the ends of the straps being montees in pairs on the front loops at the bottom of a tie the amount anterior Desaxe and tilts inwards. The fixed retainer clips on the parts of the file late ral are for the six precedentes safety belts, dimensions related to the large bouclesde on which are fixed by the pair sangies diagonalesde these belts. All these straps include streaming, the joining seams being made triple, quadruple and even quiwLuple rows. Seatbelt performed using two straps superimposed horizontally and placeesa some dieiance from one another, inorder that the upper strap retains the upper chest and lower abdominal strap parties, eg.re−− Qates posterieuresde these straps being held together each cate on a metal amount which exuemites are inward−same each to form a loop, the ends of the straps being retained Surle anterior amount of these loops. Lqs loops, this device hang on fixed clamps on the lateral parts of the file, attachment being realized in one time for each pairede loops through an outer or inner central handle allowing cheap addicted or unhook the assembly of the two loops of each montant− flowable is fixed at each side of the ends of the straps. Seatbelt in two parts, each forming an angular whole constitutes both disposed by diagonal straps and being managed toward the lateral part of the upper back and the other to the lateral part of the low, the convergence pointde each pairede straps forming an apex truncate, both partiesde belt lying next to c tron peaks over an angular plane opposes. It was reinforced by an adequate conformation piece of the extre moths comprising the truncated vertices and ony has fixed the attachment devices designed to ac # rock together the two partiesde the belt, these members consisting of one part in a loop and to the other by a clamp, the ends position EXTERIORFEATURES straps being provided with rams and hooking loops.Safety belt made in two parts, each of which includes a strap horizontally WILLING which are secured both disposed diagonal straps, one being directed towards the lateral part of the upper back and the other versle low, the pointde convergence of the three straps being constituea the anterior extremity of the horizontal strap by a truncated portion made of the anterior exiremite other two straps Diago tions. It was reinforced by an adequate conformation piece of the ends containing the truncated vertices and ony has fixed the hooking means for hooking the two parts of the belt, these members consisting in part by a loop and for Another part by a clamp, the ends posterior straps being provided with flowing ETDE hanging loops. Ceinturede security in two parts, each which is on an angular plane opposes includes a diagonal strap directed towards the lateral portion of the lower backrest and a second strap secured to the first, which forms ramp and is directed diagonally to the back of the case, the focal point being cosntitue not speak of attachment of the two ends atite− EXTERIORFEATURES sangles.On Fixed by sewing a piece of reinforcement forming an apex truncate with extremi 'your anterior of the two straps and ony introduced hooking members permettantde reunite the two parts of the belt, those latter consisting, for part of a loop and Pautre part by a clamp. It has provided the former Lre− mid−Posterior for streaming sanglesde and hanging loops. Ceinturede security in two parts, each with a PREPARED horizon tally strap of extremity anterieurede which are attached two straps extending diagonally, toward the lateral portion of the lower back and the other forming ramp, up, to be attached to the back of the seat, the two belt−angular Lies by lying, facing the truncated peaks in opposite direction. It was reinforced by a shaping room adequate anterior the ends of the straps forming the apex truncate and ony has fixed the attachment members to reunite the two parts of the belt, these members consisting of −a part by a loop and other linen per game clip, the posterior ends of the straps being provided with flowing curls # ETDE addicted display. Seatbelt in two parts, each with a strap horizontally WILLING, which are attached three straps, one is extending Inthe sense verticul and down to be fixed to a side portion of the seat of bati, a second strap extending diagonally upward to be attached to the back of the case, this strap forming strap and a strap extending THIRD be skewed towards the lower back, both sides of the belt lying next in opposite direction. The anterior ends of the four straps on each part of the belt are joined together by sewing or using metal eyelets. We reinforce this assembly by attaching a piecede conformation adequatea inside which the fastening members are fixed to allow tantde reunite the two partiesde the ceinturede security, consthues for part of the belt with a buckle and the other by a clamp. The posterior ends of the straps of the safety ceinturede feature loops that are accrocheesa fixed clamps in the same direction as the bQueles on the lateral portion of each side of the backrest and seat of bati, the straps being retained on the back under the rounded top of the file. For all the seat belts of any type, the snap buckles attached to extre mites posterior straps can be replaced placed by pliers, when the lateral parts of the dossiers include handles; the extre. mites posterior straps may, also, be fixed directly on handles without hooking organ support and the invention. Advantageously extends the anterior ends of the straps under addicted organs display permettantde reunite the two parts of the belt, when they are facing the abdominal parties. The elements to retain the upper ends of the amounts of security ceinturesde the back of front seats are fixed below the curve formed by the upper part of the record. They are, generally, realized by means of two brackets welded to the back of extreme amounts of bati of the bench and pierced, through and through, with a circular hole. A cylindrical bar whose ends are threaded is introduced into these materials and properties bilisee by knurled nuts resting against the ex7lerieures cheeks of these supports.We previously introduced the upper ends of the amounts of seat belts on cylindrical bar with the hollow formed by the extreme and mite webbing with fluency. The resistance of the cylindrical bar can be increased by adding a third fixed support Dosde the center of the seat, Inthe same extension as the other two media. The cylindrical bar can come from naked machining or comprise ribs, the distance between two ribs etanta Childa

roughly the width of an amount of the seat belt. The cylindrical bar can be made in two parts, usually of equal size, each being threaded at both ends and inserted in a same extension has interieurde two pairs of supports, the ends of the bars being immobilized against the cheeks exterieuresde these media using knurled nuts on the same conditions as the cylindrical bar one piece. Each partiede cylindrical bar can be achieved with a fixed head that is knurled, the other extremitede this bar being threaded to be visseea inside the support facing which was taraudea this. These small bars may contain beads in the form of ribs, as the cylindrical bar came from a single piece. The cylindrical bar can be replaced by a rectangular barrede on which we soda end bow, eta suitable intervals crcche– # s camber toward the back or clamps, for attaching the loops of the posterior extremities the amounts of security ceinturesde. This bar is plate the back of the front seat and the fixed ends Deesa right angle neck, forming tongues, against the inner panels of the carriers, or by welding, or by screwing, the tabs and the supports being in the latter case, beforehand pierced with tapped holes are compared. The elements permettantde retain the lower ends of the amounts of security ceinturesde are contained in a space between the jitters realized pays the posterior batide thereMany seat and the rounded back of the front seat. This fixation is realized by means of a cylindrical bar whose ends are threaded and inserted into tapped holes are, pierced end bouta through extreme amounts of bati of the seat, the introduction of the lower ends of the seat belt montantsde the cylindrical bar being made by means of a special clamp, conformant to the invention, the extre mites amounts of the belt can be filled and that catch the cylindrical bar. Refunds may preferably be carried out by means of a removable cylindrical bar used by its extremitesa the two yokes interieurde welded on the transverse posterior seat of the bati, at the same time as the inner walls of the extreme amounts of bati the bench. The bar may come from naked machining or grinds lage with ribs servantde throat and butee the lower ends of the amounts of the belt. Before the introduction of the bar inside cylindriquea screeds, it aplace the lower ends of the amounts directly to the cylindrical rod, through the hollow formed by the extre moth flowing withthe amount. When the lower ends of the vertical straps comprise hooking clamps these clamps are hooked or unhooked direc, ment on the cylindrical bar avoira without effecting movement of the cylindrical bar Finterieur its yokes. In another variant, the attachment can be made at two bars moyende cylindriquesde reduced dimensions, amoviblesa inside two pairs of forks, welded in a same extension on each side of bati of the seat, the extremes being welded clevis on the cross posterior of the same time the seat frame on the face of the internment extreme amounts of this frame, the central clevis being welded to the crossmember, compared eta short distance from one another, the introduction of the lower ends amounts being effected in the same way as for the long bars. In a fourth embodiment, a rectangular section bar is used whose ends are coudeesa right angles to form tabs, this bar being pressed on the rear cross qu7elle the same time the seat frame is pressed by the tabs on the inside of bati extreme amounts of the bench or it is screwed or more cohesive. The retaining members of the lower ends of the fixed seat belts on the rectangular bar consist of various sized hooks' camber toward the back, the header complies inven tion, for attaching and retaining loops at the ends FIXED the amounts of the belt.The barrede rectangular section may, also, be removable and retenuea the interieurde screeds soudeessur the posterior through the seat of bati, or it is immobilized by a corrugated strip forming a spring. Using an element destinea avoid the flattening of the padding ment of the rounding of the upper back sierde the front seat or back, by the use of a metal room FITTED, conformant rounding presented by the peaks of extreme amounts of batide the bench, with a length of approximately inativement Childa the width of the seat, the ends of this–piece, welded reinforcement being on opposite parts of extreme amounts of bati of the bench. The seat belts for front seat and rear are made by means of the following variants: Belt, security in two parts, each with a strap PREPARED vertically in the center which is afixe by sewing, either directly or through a double reinforcement tongue a PREPARED horizon tally strap, the anterior extremity of each of the two horizontal straps being provided with an attachment member to reunite the two: parts of the belt and is a part pourun loop the belt and gripper Parun another flowable being fixed on the horizontal and vertical straps to adjust to the desired dimensions. It has provided the upper ends and infe EXTERIORFEATURES amounts of belt fastening members which may consist, like all other belts or buckles or clips or be introduced directly on the cylindrical rods made of one or into two parts. Safety belt made to –Middle of both disposed vertically straps and a strap PREPARED fixed horizontally towards the middle of the two uprights and having a larger core than the adjacent parts, the horizontal strap being used by one of its ends on Pun Amounts of the belt by means of a double tongue retaining an elongate ring permetle sliding of a portion of the horizontal strap and the other end of said strap terminating in a clamp that is, itself, hung on a retaining loop with a double tongue fixed at the center of my second much. Fixed streaming on the vertical and horizontal straps to adjust to the desired dimen sions, the ends of the vertical straps being further provided either loops or clips or can be selected directly on the cylindrical rods made of a or two parts. Seatbelt in two parts, each of which includes a strap PREPARED vertically in the center of which was fixed a strap PREPARED horizontally; this horizontal strap was folded on itself towards the middle of its length and Pon gives meaning obliquea the second part of this strap by pointing it towards the lateral part of the upper back and fixing the end onto the vertical strap; was previously introduced an organ of accrochagea fold angular straps on each part of the belt, which was fixed by stitching, to allow reunite the two parts of the belt, this being body constitutes a part of the belt by a loop and for Pautre by a clamp. The ends of the vertical straps are views for streaming and Buckles d ccrochage percent. Ceinturede security in two parts analoguea the previous, but in this one the horizontal strap was pliee obliquely down the lateral part of the file instead of being directed upward; Seatbelt in two parts, each of which includes a strap WILLING which are fixed vertically on both disposed transversely straps shaped acute angle a truncated summit. It has fixed on each of these vertices a fastening member for bringing together the two parts of the belt constitutes a part of a loop and the other by a clamp, the ends of the vertical straps being provided with rams and buckles hooking. Seatbelt in two parts, each with a strap WILLING which are fixed vertically on both disposed transversely straps shaped acute angle a truncated summit. The truncated summits has fixed it on a fastening member constitutes a loop and the other top of the second part of the belt an oblong ring on the anterior amount which was introduced a strong tongue inside this coulissanta ring by means of a slip, this tongue being provided to its anterior extremity of a display device is hooked by a clamp allowing cheap hooked loop of the second part of the belt, the ends of the vertical straps being provided pourable and equipped with attachment loops.Safety belt in two parts, each with a vertically PREPARED strap

which straps are secured both disposed obliquely inwards, one is extending its posterior part to the lateral part of the upper case and the other down to form an apex truncate Anglea on which the attachment members is fixed has to reunite the two parts of the belt and cons titues for part of a loop and a clip to another, Posterior ends of the angular sliding straps by means of a flowing in the interior of an elongated ring retained by a double FIXED tongue on the vertical strap. The ends of the vertical straps are provided with rams and are provided with hooked loops display. Seatbelt in two parts, each with a strap PREPARED vertically which are secured both disposed straps obliquely inwards, one is eten ing its posterior part to the lateral part of the upper case and the other down to form a top Anglea truncates. An elongated ring is fixed to each of the truncated corners and was introduced on the previous amount of these rings strong coulissanta tongue inside the rings by means of a sliding, one of the tabs being pourvuea its end anterior to a loop and the other tongue pliers to reunite the two partiesde the belt, the extre mites vertical straps being provided with lants neck and fitted with attachment loops. Set of integral seat belts each other and realized by the use of three instead of four amounts that should be em ployes normally, the center post of the belt with a width at the upper right amount of wa the left who, one and the other, a uniform width. It was fixed on the center post two pairs of straps ARRANGED shaped trianglea top truncated, each pair of belts being located on the same plane in an angular direction opposed. Pendanta for each pair of straps of the center pillar was fixed in a prolongation same ment, the amount of right and the left, a pair of straps angu same shape. lar has truncates the top next to the straps of the center pillar. To adjust the length of the angu lar straps, an elongated ring is used, the amount retained by a double tongue which permeta the posterior extremity of each diagonal strap to slide by means of a slip. The hooking means is fixed has to combine two 'belt portions on the two truncated corners facing each other, these members being rec titues by a loop to a portion of the belt and by a clamp for another, the ends of Amounts of the belt being provided with rams and filled either loops, or addicted to display pliers, these ends being introduced direc of charge on the cylindrical rods by means of the hollow formed by the end of the flowing amount. We can add a fourth amount secured three precedents for a set of three safety belts with four legs instead of six.A this purpose, the amount of the right or the left, from the central post has a width equal to the center pillar for receiving, as it, the attachment of the two pairs of angular straps instead of one it contained previously. Seatbelt in two parts, each being constituted by two straps assem blees shaped Anglea top truncates, one of the diagonal straps being directed towards the late part eral upper folder and the other down, the two partiesde belt ranging from their peak truncates a angularly opposed. The hooking means joining the two parts of the seat belt are fixed on the top of each truncated portion, these organs being constituted by a loop to a portion of the belt and by a clamp for another. The fastening member of the extremities post EXTERIORFEATURES straps is realized using a special form of loop designed with three straight angular parts and part of oblique shape, all having the shape of a trapeze rectangle, the amount anterior oblique this loop rete ing the posterior extremity of the oblique strap. The four straps are fitted with flowing per setting to adjust the seat belt to the desired dimen– sions. This seat belt may be used–both on the front and rear seats than individual seats. Ten seat belts above, attached to the front and rear seats, to include upper and lower ends of the amounts of these belts, hanging diffe ent bodies as employees Elements to retain them.When l7on employs a solid cylindrical bar or ribbed, qdelle be made in one or two parts, the ends of the amounts of the belt can be introduced and retained direc ment on the bar with the hollow formed by the extremity of – with the flowing amount. –When The upper and lower ends of the amounts have clasps, they are hooked and held on the cylindrical bar. When employing the section barres– Rectan gular having hooks, the ends supe EXTERIOR AND LOWER amounts of seat belts are fitted with loops that allow them to be hooked and retained on the hooks of the bar. The upper and lower ends of the amounts of seat belts can equal ment, include different attachment members at each of their extremity when one uses different retainers upper back of the seat and between the lower folder and the posterior part of the seat. Auiere bench: Restraint systems to upper ends of the amounts of safety belts realized using cylindrical bars or redan– gular–section whose extremities are introduitesa the inter–laughing screeds welded them on the walls of. each side of the body of a location voiturea correspondanta the anterior part of the tablet connects the top of the backrest of the rear window banquettea, the length of the bar corre sponding approximately, to the distance separating the two sides of the case. Both screeds–are identical and two horizontal wings, a posterior edges rounded, spaced rune another, a convex on– upright constituting the soul of the screed, connecting their two wings anterior edge of the screed. When the tablet is reduced dimensions, the conformations of screeds adaptenta those of in– glance parties. A bar of cylindrical or rectangular asialement is housed in the interval between the two wings chapesa inside the bar which is supported at its ends. The length of the bar corresponda the width of the caissea 17endroit determim * e or bar Placee is given a necessary game for the convenience of installation and filed. The screed can be reinforced shaped box of element and include a side opposite the side of the wall of the body forming buteea Fextremite the bar– The cylindrical or rectangular bar is immobiliseea]! Inside of the cap using a strip d7acier a spring. This slip–who suffered a ripple throughout its length and is bent to form two parts pliee super ASKED but spaced from one Pautre. Uagrafe a spring thus formed is introduitea Pinterieur screed which it occupies two bunk plans and against which it is plated with the curved portion of the staple, resting against the curved part of the screed. To immobilize ragrafe –a ressorta inside of the cap is practiced thin throat Transver Salea each end posterior wings of the clevis in which is introduced Yune and Uother respectively ends of the strip that Pon beforehand recourbeea right or acute angle. Toppings include, generally, at their lower part a console that is offset outwards reported by the screed. This console is constituted by a right angle coudeea part comprises a horizontal wing fairly narrow and lateral orient6 pan down, this part being only soda on the walls of the body of the car. The bordsde –are the shelf notches to embed the two screeds and make visible, in–console view. The cylindrical–bar can be provided d7ele– butee mounts as integrally molded ribs. with the cylindrical bar or reported and Assessed intervals correspondanta the width of the amounts of the belt. La– rectangular bar includes, generally, fixed hooks from end to end on the bar, these hooks can be of various structures, but Applicators rearward. The cylindrical bars or lar rectangu section can be divided into two bars retained in a same prolongementa inside two pairs of FIXED screeds on a base plate connecting the two sides of the car body and replacing part anterior of the tablet, the extremitesde this plate can be recourbeesa right angles to form consoles or be welded on inde pendent consoles, or be introduced surface Planea Pinterieur screeds, these –consoles whether Dependent,

independent or qu7elles are molded with caps, are all welded to the walls on each side of the car body.The ends of the rectangular bars can, also, be screwed directly on media inftead d7etre amoviblesa Pinterieur screeds, organs for attaching the ends of the amounts of the belt remains the same. Restraints of the extremities supe EXTERIORFEATURES amounts of seat belts lead for rear seats, with the following variants: The cylindrical bar is retained by its ends in the interior of two SET screed on the walls on either side of the crate voiturea a location there correspondanta part anterieuredе tablet and immobiliseea inside screeds by a corrugated strip forming a spring, hooking and unhooking of the bar EFFEC killing by simply pressing against the slats two chapesa time. The upper ends of the amounts of the belt are made either directly on the cylindrical rod through the hollow formed by the extremity of the amount of the belt with the lant neck, or accrocheesa the bar with clamps which these ends can be fitted. This other variant uses a cylindrical bar provided with ribs serving as a stop to the amounts of the belt, the distance between each rib being approximately Childa the width of the amount of the belt. This third variant has shaped butee of Elements slightly tapered tuting cons, as the previous variant, the cheeks for withholding montantsde belt. The fourth variant has a rectangular bar that was welded end to end of the camber brackets to the rear, dimensions related to the display of loops hooked ends of the amounts of the belt. This fifth variant uses of the reduced size of the loop hooks permettanta fixeea the extremity of an amount of the belt, to hang two crochetsa time. The bars of the five variants above are retained by their Pinterieur extremitesa a pair of forks welded on the walls on each side of the body of the car, and immobiliseesa within those two yokes using corrugated strips forming spring. The following five variants of the tenth sixiemea, each comprise a base plate of rectangular shape which has been bent the extre. mitesa right angle downward to form consoles, these being welded to the walls on either side of the body of the car has a location there correspondanta the anterior part of the tablet. Fixed on about this base plate, two pairs of toppings in a same extension to allow the introduction of two barresde reduced dimensions, a pair of yokes being fixed near each end of the plate, and the other two center, those of the center being fixed very close to each other, or even combined in one block, the two compartments of the screed being, in this case, separated in the middle by a pan forming lateral butee. The sixth variant has two cylin bars. United drical of reduced dimensions; The seventh variant has two ribbed cylindrical bars of reduced dimensions; The eighth variant has two slightly tapered cylindrical bars of dimen. REDUCED sions; The distance between each rib is the width of a Childa amount. This ninth embodiment has two parts rectangular bar on which are welded, from end to end, large in relation with the dimensions of hooks hooking loops. This tenth variant has two parts rectangular bar on which a soda, end to end, hooks dimen sions REDUCED allowing attachment loops to hang two crochetsa time. The hooks of the eleventh variant are constituted by two superimposed horizontal sections, spaced one of Pautre which the forelimbs edges are reunited by a vertical part the hori zontal upper part of the hook can be tilted back, these hooks being fastened end to end on a base plate in one piece. This variant has a clevis twelfth realized with three open sides, being told poses two axially andTHE third radially combining the first two, the console situated at the bottom of the third pan being slightly off outwards, the introduction of the cylindrical bar carrying talking top of two yokes which openings are opposite, the extre mites of the bar being immobilized by means of lamellae onduleesa dual branch Assessed the Internal screeds.This thirteenth variant concerns a yoke with two horizontal parts superimposed with the forelimbs edges are reunited by a vertical part, the lower horizontal portion being longer than the upper horizontal part and ending with one leg up and erected versle for mant butee, the introduction of ends of the cylindrical bar is performing in the interval between the vertical realized tab forming butee andTHE posterior edge of the upper horizontal portion. This variant has a fourteenth type of screed is a horizontal section whose anterior posterior edges and each have a leg built up and tilted back, the introduction of the cylindrical bar taking place between the two tabs and capital being made by means of a slide onduleea dual branch forming spring. This variant has a fifteenth yoke with two superimposed and spaced horizontal parts of which the forelimbs edges are reunited by a vertical part, the horizontal part infe higher, d! Degressive thickness, forming an incline inwards and at the same time, for butee the cylindrical bar. The device of this variant hides a sixteenth view all restraint Elements of the upper ends of the amounts of seat belts and the ends of these montants.H used for this purpose, the tablet between the top of the seat dossierde the arrierea rear window, which is divided into two parts, the posterior edge of the front part, forming part of the shelf, being based on the anterior edge of the second part of the tablet that # it, remains fixed and the attenantea rear window. We practice notches on the anterior edge of the first part of the tablet, which opens to pierce Vant backwards for permettrele passage amounts of seat belts and were fixed, the magnetic fasteners under the anterior edge of the the first part of the tablet, the two parts rea reading together a flat surface analoguea the primitive surface of the tablet. The seventeenth variant is significantly ana loguea the previous, but in this one the anterior edge of the tablet is not notched for dissenting views completementa also emulate the ends of the amounts of safety belts, the amounts retainers consisting in this variant by reduced size hooks. The eighteenth alternative is a fork with two horizontal parts which are superimposed and spaced reuniesa their anterior edge by a vertical part, these three parts being reuniesa turn by a lateral pan completely closing the cap on the side of the wall of the body of the car. The nineteenth alternative is a yoke with two superimposed and spaced horizontal parts, which are reuniesa their anterior edge by a vertical part, these three parts being reuniesa turn by a lateral pan completely closing the cap next to the wall of the car body. The lower horizontal portion of the yoke overlaps all its inner periphery to allow d7encastrer anterior parts and facing the tablet which are cut along the periphery of the yoke. To make this snack tration was din–unue the thickness of the periphery of the yoke, to d7obtenir a flat surface Pen– appears. The twentieth variant relates dual housing chapesa. These screeds are fixed to the walls on either side of the car caissede through their console. Each has three horizontal parts superimposed and spaced, joined at their anterior edge by a vertical part, the lateral openings screeds next to the wall of the body being together fermees by a lateral pan using butee at the ends of the cylindrical bar or rectangular section, this part is extending lateral position higher up the extremity of the horizontal parts of screeds. The lower horizontal part of the upper housing was prolonged posteriorly by a tongue which has reduced the thickness to serve as support to the shelf edge anterieurde next. The tablet was cut following the pourtourde screed, to obtain a flat surface of the set of subsets. The bottom opening of the screed serves to lodge ing the ends of a base plate on which is welded to the eta equidistant center, two other yokes which was closely spaced as far as possible from each other or even that it

was CARRIED d # one piece by separating them with a central panel. The openings of the central screed plate d7assise are facing and on a same plane as those of top−housing of the main screed to allow in a same extension, the introduction of the ends of the two small barresa the interieurde each pair of yokes.The: Twenty−first, twenty−deu−Sieme and twenty−third variants involve the media tinesa replace screeds; the rectangular bars used in these variations are fixed on these materials by means of screws; cro waste retainer for attaching the extre superior mites amounts of seat belts being, according to the invention, fixed to one end of the bar. The twenty−first embodiment relates to a carrier comprising a vertical upright forming the support bracket;]! Upper extremity of this amount is coudeea right angles to form a PREPARED tab horizontally inwards, the anterior part of the tongue being buildup on a second vertical upright which is also elbow at a right angle and forms a pla Quette arranged horizontally towards the interior of the car, this plate being of larger dimensions than the first tab and Passise constituting the support. We fixed the ends of the rectangular section bar on the seat of the two supports opposite. The twenty−second variant is substantially identical tiquea the twenty−first, but includes, in addition, a vertical or oblique flap overlying the anterior edge of the seat support and forming butee. The twenty−third variant is significantly identiquea the twenty−second, but hori zontal part of the support is present here in inclined plane to the thickness of degressive arriere.Il includes, also, a vertical tab which overcomes anterior edge of the seat carrier and which forms a stop. The foundations of the supports of the twenty−first, twenty−second and twenty−third variants are ta, raudees to receive fixing screws allows both the seat of collecting the ends of the rectangular bars that are also Tarau dees opposite the holes seat. A twenty−fourth variant concerns mobi lite of the section bar rectangulairea inside screeds, the ends of the bar are replaced by cylindrical axes came from usi swim in one piece with the bar, the longueurde these axes corresponding approximately to the width of the interior screeds. Restraints in the lower ends of the amounts of seat belts and relating to the rear seats, using cylin drical bars or rectangular section, extre them. mites are held on other media or mieuxa the screed welded inside the walls on each side of the caissede the car, this binding takes place behind the back seat next to a space that was constituted between the rounded bottom the file and the posterior part of the seat siegede, organs or to hang directly engage the lower ends of the amounts of security ceinturesde, being the same as those permettantde hold directly or bending the upper ends of these same amounts. Fixed retainers on barresde rectangular section and consist of brackets and clamps of various conformations for hooking the loops of upper and lower ends of the uprights belts secu rite can be realized through the following variants donneesa For example: For an element consisting of three parts, two being horizontal and parallel, spaced one of liautre and the third vertical, bringing the two premieresa their anterior edge. By an element is a horizon tal part surmonteea its anterior extremity of a rounded portion and bent towards the rear; By an element consisting of a hori zontal part surmonteea its front end a semi−cylindrical portion ending in a horizontal tongue; By an element is a horizon tal Party whose anterior extremity is surmounted by a rounded portion −to the back, on the set of what constituted one second clip was hanging by a spring pincea of same conformation but projecting towards the rear all of the first fastener. This second clip which can be thick degressivea from the bending of the clip forms a constriction between the throat and the spoiler. By an element constitutes a fastener made entirely of a metal having the properties of a spring, that attaches with a hori zontal part surmonteea the front part of a gorge rounded to the fold between the two superimposed branches of the clamp, the upper branch being tilted back and ending with a spoiler, both sides of the clip forming a constriction between the throat and the spoiler to serve buteea the attachment loop, the employee bandede to shape this metal clamp that can be d 'thickness degressivea from bending the clip until spoiler.The rear seats can include at Lieude screeds grooves cut into the form of the rear wheel on the side of the interior of the car, next to a space that was con sti tutes betweenthe lower back and posterior part siegede of the seat, the longitudinal groove being ouvertea the posterior part of the casing to allow the introduction of the ends of the bar and its anterior extremity fermeea by DEFOR mation of metal, realizing thus a Thrust to the bar. The cylindrical oude rectangular bar is immobiliseea inside the groove using a dual blade branch forming onduleea spring, or better by introducing a knurled nut near each end threaded bar, blocking the bar being realized by tightening the knurled nuts against the lateral parts of the rainuxe next to nuts, this bar can thus be MOVED from end to end of the groove in simultaneity with the displacement of the removable rear seat in the cars of the type Break. The groove has, generally, has its lower part, a successive series of notched Elements, for example U−shaped, to realize a complementary butee to strengthen knurled nuts blocking action. The screed employed to retain the upper bar that keeps the upper ends of the amounts of seat belts can, also, be replaced by a nure rai system similar to previous but directly fixed on the walls of the voiturea location of superior screeds. These grooves can ment equal, be TOOTHED and the ends of the LOCKED bar in the same conditions as the lower cylindrical rod inserted into the groove of the form of the wheel. For all cars gender Break the pre invention proposes to strengthen the formwork rear wheel on the side of the inside of the voi ture to allow insertion d7un second groove, the superimposed grooves but spaced adequately restrict of one another, being destineesa replace both: pairs of couplings of back seat. They would thus retain ENSEM ble on the inside formwork wheels, the two mounting bars upper and lower ends of the amounts of seat belts. Both: grooves pairs can comprise, each, a successive series d7elements notched from one end of the groove, according to the invention. All slots in the interior of the casing back wheels can be slightly sloping towards the interior of the car, realizing an automatic butee complementary in case, pourun undetermined reason, the knurled nuts, plates against the lateral portions of the grooves is −viendraienta loosen. Obtained thus inva riablement, full efficiency of seat belts, integral cylindrical bars.

0) FR1497722A – MACHINE SOUTERRAINE DE SONDAGE ET FORAGE DES SO...

2) Family number: 21005518 (FR1497722A) © PatBase

Title: MACHINE SOUTERRAINE DE SONDAGE ET FORAGE DES SOLS A TOUTES PROFONDEURS, A MOTEURS ELECTRIQUES MACHINE UNDERGROUND DRILLING SURVEY AND LAND ALL DEPTHS, A ELECTRIC MOTORS (Machine translation)

Priority: FR19660079926 19661006

Family:

Publication number	Publication date	Application number	Application date
FR1497722 A	19671013	FR19660079926	19661006

Inventor(s):(std): AZANOWSKY LAURENT GEORGES YVES

International class (IPC 8–9): E21B10/06 E21B4/04 E21B4/16 (Advanced/Invention); E21B10/00 E21B4/00 (Core/Invention)

International class (IPC 1–7): E21B7/00

CPC: E21B4/04 E21B4/16 E21B10/06

European class: E21B10/06 E21B4/04 E21B4/16

Classification Explorer

Forward Citations: FR2521632, FR2137433,

Abstract:
Source: FR1497722A [Source: Claim 1] 1 Un tambour–moteur electrique tournant dans le sens negatif (par exemple). [Source: Claim 1] 1 An electric drum motor rotating in the negative (for example).

0) DE7402108U –

3) Family number: 16304415 (DE7402108U) © PatBase

Family:

Publication number	Publication date	Application number	Application date
DE7402108 U	19740620	DE19740002108U	19740123

Probable Assignee: KOEGEL F GMBH AND CO

Assignee(s): KOEGEL F GMBH AND CO

International class (IPC 8–9): B62D33/02 (Advanced/Invention); B62D33/02 (Core/Invention)

International class (IPC 1–7): B62D33/02

Classification Explorer

Abstract:
Source: DE7402108U (Claim 1) 1. Rueckwand fuer Pritschenaufbauten von Lastfahrzeugen, die nach Art einer doppelfluegeligen Tuer mit mittlerer Teilung ausge– fuehrt ist und deren mit einer Mittelrunge zusammenwirkenden Einzelfluegel an den Seitenwaenden angeschlagen sind, dadurch gekennzeichnet, dass die zwischen den Einzelfluegeln (3,4) liegende und in eine Tasche (12) der Bodenkonstruktion des jeweiligen Aufbaues (1) einsetzbare Mittelrunge (9) hoehenver– stellbar an dem einen Einzelfluegel (3) gelagert ist und gleich– zeitig als Widerlager fuer einen Verschluss (18) des anderen Einzelfluegels (4) dient.

Machine translation: (Claim 1) 1 Back plate for platform bodies of trucks, the manner of a double door with a medium pitch executed, and whose co–operating with a central stanchion Einzelfluegel are posted to the sidewalls, wherein between the Einzelfluegeln (3.4) lying in a bag (12) of the floor construction of each structure (1) applicable central stanchion (9) adjustable in height at one Einzelfluegel (3) is mounted and at the same time for an abutment a closure (18) of the other Einzelfluegels (4) is used.

0) DE2429363A1 – VORRICHTUNG ZUR VERRIEGELUNG DER VORZUGSWEISE U...

4) Family number: 1729569 (DE2429363A1) © PatBase

Title: VORRICHTUNG ZUR VERRIEGELUNG DER VORZUGSWEISE UM EINE HORIZONTALE, QUER ZUR FAHRTRICHTUNG OBEN LIEGENDEN ACHSE AUFSCHWENKBAREN FRONTSCHEIBE EINES WETTERVERDECKES ODER FAHRERHAUSES VON SCHLEPPERN, TRAKTOREN UND BAUMASCHINEN WINDSCREEN LOCK FOR TRACTOR DRIVERS CABIN – HAS RATCHET MECHANISM WHOSE ACTUATING SPRING IS HELD WITHIN FRAME MEMBER

Priority: DE19742429363 19740619

Family:

Publication number	Publication date	Application number	Application date
DE2429363 A1	19760108	DE19742429363	19740619
DE2429363 B2	19800117	DE19742429363	19740619
DE2429363 C3	19800918	DE19742429363	19740619

Probable Assignee: KETTLER PAUL ERICH

Assignee(s):(std)**:** KETTLER PAUL ERICH

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Inventor(s):(std)**:** KETTLER PAUL ERICH

Inventor(s): KETTLER PAUL ERICH 6360 FRIEDBERG

International class (IPC 8–9): B62D33/06 (Advanced/Invention); B62D33/06 (Core/Invention)

International class (IPC 1–7): B60J7/00 B60J7/24 B62D33/06 E05C1/12 E05C19/06

CPC: B62D33/0617

European class: B62D33/06E

Classification Explorer

Forward Citations: DE102009027334,

Abstract:
Source: DE2429363A1 PATENTAN5PR Ue C H E 1 Vorrichtung zur Verriegelung der vorzugsweise um eine horizontale, quer zur Fahrtrichtung oben liegenden Achse aufschwenkbaren Frontscheibe eines Wetterver deckes oder Fahrerhauses von Schleppern, Traktoren und Baufahrzeugen, wobei die Verriegelungsstellung durch Federkraft bewirkt wird und zumindest die seitlichen Holme des Frontscheibenrahmens aus Hohlprofilen ge bildet ist, dadurch gekennzeichnet, dass die Vorrichtung aus einer an einem festen Fahr zeugteil, wie Stuetze (Sa) eines Schutzrahmens (5) oder Fahrerhaus (2) etc. The windscreen assembly is pivoted about a horizontal axis at right angles to the vehicle longitudinal axis. The rotating element is kept in the locked position by a spring loaded mechanism whose spring is accommodated within the lateral member of the windscreen assembly frame. The ratchet bolt or the ratchet lug are fastened on the support (5a) of a protection window frame (5) or the driver's cabin (2). This ratchet lug passes through an opening in the lateral side member (14a) of the windscreen frame (14), when the windscreen (4) is closed. This ratcheting lug latches with a locking spring held within the lateral side member (14a). The ratchet pin has a groove which forms the ratchet hook.

0) DE2617754A1 – IN EIN KRAFTFAHRZEUG EINGEBAUTE VORRICHTUNG ZUM...

5) Family number: 2557111 (DE2617754A1) © PatBase

Title: IN EIN KRAFTFAHRZEUG EINGEBAUTE VORRICHTUNG ZUM EIN– UND AUSLADEN VON GEHBEHINDERTEN MIT ROLLSTUHL INVALID RAMP FOR VEHICLE – HAS EXTENDING AND LOWERING PLATFORM OPERATED BY SERVOS FROM CONSOLE MOVING WITH PLATFORM

Priority: DE19762617754 19760423

Family:

Publication number	Publication date	Application number	Application date
DE2617754 A1	19771103	DE19762617754	19760423

Probable Assignee: TRAPP HEINZ

Assignee(s):(std)**:** TRAPP HEINZ

Inventor(s):(std)**:** TRAPP HEINZ

International class (IPC 8–9): A61G3/06 B60P1/44 B60P1/46 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7): B60P1/46

CPC: A61G3/062 B60P1/4421 B60P1/4442

European class: A61G3/06 B60P1/44D1 B60P1/44D6

Classification Explorer

Cited documents: US3847292 A, US3710962 A,

Forward Citations: WO8606333, US9603759, US8998558, US5674043, US5542811, US5308214, US4909700, US4778328, US4671730, US4329100, US4299527, US4260314, FR2726182, FR2552036, FR2506154, AU600231, AT389048,

Abstract:
Source: DE2617754A1 Patentansprueche 1 1 In ein Kraftfahrzeug eingebaute Vorrichtung zum und Ausladen von Gehbehinderten mit Rollstuhl, gekennzeichnet durch eine Plattform (6) fuer den Rollstuhl t7jd die auf einem Transportschlitten in Richtung der Fahrzeugquerachse bis ausserhalb des Fahrzeugs (1) verfahrbar sowie senkrecht heb– und senkbar angeordnet ist 2 Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, dass fuer die Querbewegung der Plattform (6) eine elektromotorisch angetriebene Transportspindel (8) und fuer die senkrechte Hub– bewegung eine elektromotorisch angetriebene Seilwindeneinrichtun (11) vorgesehen sind 3. The invalid chair (7) is supported inside the vehicle on a platform (6) which is extended sideways out of the vehicle on a motor driven spindle (8). The platform is lowered to the ground by a motor driven winch from a console (11) moving with the platform drive. The whole operation is performed single handed, by servo control, without any manual effort. During the lifting the vehicle can be braced on the ground by retractable jacks, which is esp. important for small vehicles. The underside of the platform is fitted with sensors to stop the lowering when in contact with the ground.

0) DE3904704C1 – DEVICE FOR THE MECHANISED, INDEPENDENT FITTING ...

6) Family number: 7767011 (DE3904704C1) © PatBase

Title: DEVICE FOR THE MECHANISED, INDEPENDENT FITTING OF A NEW ENDLESS GRINDING BELT ONTO A FREELY MOVABLE BELT–GRINDING MACHINE

Priority: DE19893904704 19890216

Family:

Publication number	Publication date	Application number	Application date
DE3904704 C1	19900426	DE19893904704	19890216

Probable Assignee: DAIMLER BENZ AKTIENGESELLSCHAFT 7000 STUTTGART DE

Assignee(s): DAIMLER BENZ AKTIENGESELLSCHAFT 7000 STUTTGART DE

Inventor(s): TEILNICHTNENNUNG DES ERFINDERS BEANTRAGT

International class (IPC 8–9): B24B21/18 (Advanced/Invention); B24B21/00 (Core/Invention)

International class (IPC 1–7): B24B21/18

CPC: B24B21/18

European class: B24B21/18

Classification Explorer

Cited documents: DE1577447, DD240512,

Forward Citations: JP2008044067, EP1990134, EP0614727, DE4236029,

Abstract:
Source: DE3904704C1 The invention relates to a device for the fitting of a new endless grinding belt onto a freely movable belt–grinding machine. The fitting device proposed according to the invention enables fully automatic replacement of grinding belts on belt–grinding machines of the type mentioned. In the fitting device, a plurality of cylindrical or conical fitting rollers are provided, the rollers being arranged in the manner of a truncated cone with the surface lines coming into contact with the grinding belt. At least one of the fitting rollers is drivable. The seating for supporting the fitting rollers stays completely within the circumferential contour of the group of fitting rollers. In the region of the transfer side of the group of fitting rollers, the circumferential contour thereof corresponds to the shape, preset in the belt–grinding machine, of the belt loop.; Moreover, the fitting device is held in a manner freely projecting away from a fixed support on one side. In this region, a storage tree for storing a plurality of lined–up grinding belts can be provided. Expediently, the grinding belts stored thereon are also automatically moved on in the direction of the fitting device by means of a conveying device. For this, conveying belts which are located with a working strand in the surface of the storage tree can be provided.

0) EP0419924A1 – POWER STEERING FOR VEHICLES. SERVOLENKUNG FUER ...

7) Family number: 7218837 (EP0419924A1) © PatBase

Title: POWER STEERING FOR VEHICLES.

Priority: DE19893931848 19890923

Family:

Publication number	Publication date	Application number	Application date
CS9003252 A2	19911217	CS19900003252	19900629
DE3931848 A1	19910411	DE19893931848	19890923
EP0419924 A1	19910403	EP19900117444	19900911
JP3143771 A2	19910619	JP19900252040	19900925

Probable Assignee: ROBERT BOSCH GMBH

Assignee(s):(std)**:** BOSCH GMBH ROBERT

Assignee(s): ROBERT BOSCH GMBH ; ROBERT BOSCH GMBH DE

Inventor(s):(std)**:** ANDOREASU ASHIYU ; ASCH ANDREAS DIPL ING ; AHNER PETER DIPL ING ; BREITFELD DETLEF DR ING ; DEIITAA SHIIBERU ; DETOREFU BURAITOFUERUTO ; HORUSUTO TOOBERAA ; JIIKUFURIITO SHIYUSUTEKU ; KLEINDIECK PETER DIPL ING ; KLEINDIECK PETER DIPL ING FH ; PEETAA AANAA ; PEETAA KURAINDEIETSUKU ; SCHIEBER DIETER DIPL ING ; SCHIEBER DIETER DIPL ING FH ; SCHUSTEK SIEGFRIED DR ING ; TOBERER HORST DIPL ING ; TOBERER HORST DIPL ING FH

Inventor(s): TOBERER HORST DIPL ING FH 7132 ILLINGEN DE ; TOBERER HORST DIPL ING DE ; SCHUSTEK SIEGFRIED DR ING 7257 DITZINGEN DE ; SCHUSTEK SIEGFRIED DR ING DE ; SCHIEBER DIETER DIPL ING FH 7101 UNTEREISESHEIM ; SCHIEBER DIETER DIPL ING FH 7101 UNTEREISESHEIM DE ; SCHIEBER DIETER DIPL ING DE ; KLEINDIECK PETER DIPL ING FH 7141 GROSSBOTTWAR D ; KLEINDIECK PETER DIPL ING FH 7141 GROSSBOTTWAR DE ; KLEINDIECK PETER DIPL ING DE ; BREITFELD DETLEF DR ING 7400 TUEBINGEN DE ; BREITFELD DETLEF DR ING DE ; AHNER PETER DIPL ING 7140 LUDWIGSBURG DE ; AHNER PETER DIPL ING DE ; ASCH ANDREAS DIPL ING 7140 LUDWIGSBURG DE ; ASCH ANDREAS DIPL ING DE

Designated states: DE ES FR GB IT

International class (IPC 8–9): B62D5/04 B62D6/10 (Advanced/Invention); B62D5/04 B62D6/08 (Core/Invention)

International class (IPC 1–7): B60R16/02 B62D5/04 H01H13/18 H01H13/52

CPC: B62D5/0439 B62D5/0478 B62D6/10

European class: B62D5/04 B62D5/04K4 B62D5/04P4B B62D6/10

Classification Explorer

Cited documents: US4809173 A, US4784234 A, US4241804 A, EP0247332 A2, DE3835955 A1, DE3824424 A1, DE3617772 A1,

Forward Citations: EP2814729, DE4105780,

Abstract:
An economical power steering with a high degree of inherent safety for vehicles with an empty weight below 1000 kg has a reversible electric servomotor (16) which generates on the steering gear a torque which supports a rotational movement at the steering wheel. The steering column (10) and input shaft (11) of the steering gear are coupled to one another in such a way that only a limited relative rotation of the two with respect to one another is permitted, which rotation is detected by a sensor (40). A control circuit (50) controls the torque, produced by the servomotor (16), as a function of the sensor signal of the sensor (40). In the force flux between the servomotor (16) and input shaft (11) of the steering gear, a bidirectional free–wheel (20) is arranged which is controlled by the steering column (10). In the case of relative rotation of the steering column (10) with respect to the input shaft (11) of the steering gear, the free–wheel (20) produces a rotational connection between servomotor (16) and input shaft (11) in both directions of rotation.

0) DE4339921A1 – UNFOLDING LOADING BRIDGE FOR RAMPS LADEBRUECKE ...

8) Family number: 11541845 (DE4339921A1) © PatBase

Title: Unfolding loading bridge for ramps

Priority: DE19934339921 19931119

Family:

Publication number	Publication date	Application number	Application date
DE4339921 A1	19950524	DE19934339921	19931119
DE4339921 C2	19951026	DE19934339921	19931119

Probable Assignee: GRUNEWALD HANS JOACHIM

Assignee(s):(std)**:** GRUNEWALD HANS JOACHIM

Assignee(s): GRUNEWALD HANS JOACHIM 25368 KIEBITZREIHE DE

Inventor(s):(std)**:** GRUNEWALD HANS JOACHIM

Inventor(s): GRUNEWALD HANS JOACHIM 25368 KIEBITZREIHE DE

International class (IPC 8–9): B65G69/28 (Advanced/Invention); B65G69/00 (Core/Invention)

International class (IPC 1–7): B65G69/28 E04G27/00

CPC: B65G69/2841

European class: B65G69/28B2D2

Classification Explorer

Cited documents: US5088143 A, US3316575 A, DE3036305 C2, DE1756032 B1,

Forward Citations: WO11018071, US9016468, EP0769463, CN102574647, CN102574647,

Abstract:
Source: DE4339921A1 The loading bridge has on its rear end on a horizontal axis, a pivotably supported plateau whose free end is angled. The bridge can be placed in a first vertical unused position under the plateau and in a hingeable second usable position level with the plateau in which it is secured to the plateau. A four part linkage is provided which has a first link between the plateau and the ramp, a second link on the ramp with a pivotable thrust bar, and a third link (23) on the plateau with a pivotable positioning lever. The thrust bar and the positioning lever are linked together by a fourth link (24) and operated by a force element (5). The force element has a pivot point (25) on the positioning lever and an abutment position. The pivot point along with the third and fourth links are arranged in a triangle.

0) EP0748913A1 – FUNCTIONAL ELEMENT FUNKTIONSELEMENT ELEMENT F...

9) Family number: 16085908 (EP0748913A1) © PatBase

Title: Functional element

Priority: DE19952009178U 19950613 DE19952013202U 19950817 DE19965000340 19960410

Family:

Publication number	Publication date	Application number	Application date
AT168444 E	19980815	AT19960105622T	19960410
DE29509178 U1	19961107	DE19952009178U	19950613
DE29513202 U1	19961212	DE19952013202U	19950817
DE59600340 D1	19980820	DE19965000340	19960410
DK0748913 T3	19990301	DK19960105622T	19960410
EP0748913 A1	19961218	EP19960105622	19960410
EP0748913 B1	19980715	EP19960105622	19960410
ES2118654 T3	19980916	ES19960105622T	19960410

Probable Assignee: PAX GMBH

Assignee(s):(std)**:** PAX GMBH

Assignee(s): PAX GMBH 55218 INGELHEIM DE

Inventor(s):(std)**:** ALT ALBERT

Inventor(s): ALT ALBERT 54426 MALBORN DE

Designated states: AT BE CH DE DK ES FR GB IT LI LU NL PT SE

International class(IPC 8–9)**:** E05B15/00 E05C9/18 E05F7/00 E05F7/06 (Advanced/Invention); E05B15/00 E05F7/00 (Core/Invention)

International class(IPC 1–7)**:** E05B15/00 E05C9/06 E05C9/18 E05D15/52 E05D5/00 E05F7/00 E05F7/06

CPC: E05B15/0006 E05F7/06 E05Y2900/132 E05Y2900/148

European class: E05B15/00A E05F7/06 P05Y900/132 P05Y900/148

Classification Explorer

Cited documents: US2157641 A, GB2282180 A1, EP0628691 A1, DE8225652 U, DE7401453 U, DE7401453, DE1759262 A1, BE647016 A, AT286821 B, AT286821,

Forward Citations: FR2844540, FR2810363, DE102015215458, DE10053317,

Abstract:
The component (3) is mounted on the fixed or leaf frame (1,2) of a door or window, and works via a contact face between the frames on relative movement between the latter against a mating component (5) on the other frame. One or the other of the components is on a plug portion (6) inserted in a connection area (8) of a universal holder (7) on one of the frames. The holder can have different connection areas to suit different components, and the plug portion and holder can be secured together by clips or screws. The component (3) can form a vertical guide with horizontal ramp face (4) between the frames for a mating boss (5), the plug portion being inserted vertically from the top. The connection areas are in pairs and symmetrical in the horizontal direction.

0) US2002109667A – ERGONOMIC HUMAN–COMPUTER INPUT DEVICE

10) Family number: 28237970 (US2002109667A) © PatBase

Title: ERGONOMIC HUMAN–COMPUTER INPUT DEVICE

Priority: US20000248472P 20001114 US20010993260 20011114 US20030609168 20030627 US20050283603 20051118 US20040872022 20040618 US20060426861 20060627 US20060426869 20060627 US20060426874 20060627 US20060426856 20060627 WO2005US21686 20050620

Family:

Publication number	Publication date	Application number	Application date
EP1766602 A2	20070328	EP20050762624	20050620
EP1766602 A4	20120606	EP20050762624	20050620
JP2008503805 T2	20080207	JP20070516813T	20050620
JP5102020 B2	20121219	JP20070516813T	20050620
US2002109667 AA	20020815	US20010993260	20011114
US2004008186 AA	20040115	US20030609168	20030627
US2004227728 AA	20041118	US20040872022	20040618
US2006125785 AA	20060615	US20050283603	20051118
US2006291937 AA	20061228	US20060426861	20060627
US2006291938 AA	20061228	US20060426869	20060627
US2006291939 AA	20061228	US20060426874	20060627
US2007020013 AA	20070125	US20060426856	20060627
US6756968 BB	20040629	US20010993260	20011114
US7151525 BB	20061219	US20030609168	20030627
US7262762 BB	20070828	US20040872022	20040618
US8487872 BB	20130716	US20050283603	20051118
US8614667 BB	20131224	US20060426861	20060627
WO06009965 A2	20060126	WO2005US21686	20050620
WO06009965 A3	20060928	WO2005US21686	20050620

Probable Assignee: BLUE ORB INC

Assignee(s):(std)**:** BLUE ORB INC ; KEYBOWL INC ; MCALINDON PETER J

Inventor(s):(std)**:** MCALINDON PETER J

Inventor(s): MCALINDON PETER

Agent(s): BEUSSE WOLTER SANKS MORA AND MAIRE P A; BEUSSE WOLTER SANKS MORA AND MAIRE PA; JAMES H; TERRY M

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B41J5/00 G05G9/047 G06F3/02 G06F3/023 G06F3/033 G09G5/00 G09G5/08 (Advanced/Invention); G06F1/16 G06F17/00 (Advanced/Non–invention); B41J5/00 G06F3/02 G06F3/023 G09G5/00 (Core/Invention)

International class (IPC 1–7): G09G5/00

CPC: G06F3/0202 G06F3/0219 G06F3/0234 G05G2009/04714 Y10T74/20201 G06F3/0213 G06F3/0354 A63F13/24 A63F13/214 A63F13/06 A63F2300/1068 A63F2300/204 G06F3/0235 G06F3/0338

European class: A63F13/06 G06F3/023A5 G06F3/023M2 G06F3/023M4 G06F3/02A G06F3/02A3P G06F3/02A5 G06F3/0338 G06F3/0354 K63F300/10T K63F300/20H S05G9/047A4

US class: 345/156 345/156P 345/157 345/161 345/168 345/168P 345/169 345/184 361/679.08 361/679.09 361/679.1 361/679.18 400/489 400/489P 463/36 463/37 463/38 74/471 74/471XY

Classification Explorer

Cited documents: US7151525 BB, US7075516 BB, US6897849 BB, US6897849 BA, US6828518 BB, US6756968 BB, US6756968 BA, US6697044 BB, US6686906 BB, US6686906 BA, US6642920 BB, US6611255 BB, US6611255 BA, US6603459 BB, US6593913 BA, US6587072 BA, US6567072 BB, US6567072 BA, US6552282 BB, US6552282 BA, US6520699 BB, US6520699 BA, US6512511 BB, US6389801 BA, US6369801 BB, US6369801 BA, US6359243 BA, US6348878 BA, US6323846 BA, US6323842 BA, US6297806 BA, US6292857 BA, US6288709 BA, US6282355 BA, US6262355 BA, US6256029 BA, US6246019 BA, US6198472 BA, US6037942 A, US6033309 A, US5984548 A, US5964548 A, US5951399 A, US5900829 A, US5889507 A, US5836705 A, US5815139 A, US5804781 A, US5751274 A, US5666138 A, US5665000 A, US5638062 A, US5636062 A, US5621196 A, US5619021 A, US5598527 A, US5565891 A, US5543818 A, US5498843 A, US5473325 A, US5430262 A, US5408621 A, US5406621 A, US5396222 A, US5394168 A, US5383735 A, US5294121 A, US5252952 A, US5231380 A, US5207426 A, US5186316 A, US5137384 A, US5087910 A, US5067834 A, US5059958 A, US5059058 A, US5012230 A, US4992631 A, US4849732 A, US4644326 A, US4639668 A, US4344069 A, US4246452 A, US2005275625 AA, US2005083297 AA, US2004222966 AA, US2004008186 AA, US2003103791 AA, US2003058219 AA, US2003020694 AA, US2002149566 AA, US2002109667 AA, US2002080115 AA, JP2004110199 A2, JP2003263264 A2, JP10180666 A2,

Forward Citations: WO16018789, WO10008835, WO06045059, USD575761, US9522091, US9507432, US9456942, US9164591, US9098118, US9084705, US8994666, US8977431, US8976045, US8970496, US8907190, US8902165, US8793032, US8777115, US8775001, US8698748, US8646551, US8614667, US8576170, US8555207, US8538599, US8514251, US8487872, US8437899, US8336424, US8285440, US8237593, US8145373, US8127875, US8098230, US8073588, US8073585, US8072428, US8065051, US7973762, US7903088, US7804484, US7570251, US7532200, US7403844, US7241960, US7188772, US7165715, US7151525, US7116311, US6772980, US6756968, US2016257245, US2015153774, US2014168924, US2014061466, US2013218380, US2013092011, US2012188160, US2012176315, US2011210918, US2011157056, US2011063241, US2011012831, US2011006995, US2011001718, US2010295787, US2010145220, US2010026625, US2009315740, US2009262090, US2009259790, US2009228841, US2009217211, US2009195418, US2009189853, US2009189789, US2009064809, US2009048020, US2008291168, US2008255704, US2008249694, US2008217075, US2008165164, US2008117179, US2007242036, US2007205983, US2007067072, US2007056782, US2007056781, US2007056780, US2007055424, US2007050111, US2007045096, US2007020013, US2006291946, US2006291939, US2006291938, US2006291937, US2006271886, US2006250371, US2006202865, US2006082548, US2006060459, US2005284924, US2005284923, US2005248533, US2005107111, US2004222964, US2004015021, US2004008186, US2002109667, TWI505140, TWI470484, JP5413450, EP1766602, AU2005241461,

Abstract:
Source: US2002109667A An ergonomically developed, dome−shaped, alphanumeric interface apparatus for use with an electronic system, such as a computer or electric typewriter is described. The apparatus is configured in accordance with ergonomic principles and uses chording of both hands to type the characters of any user−defined alphabet. The device includes a set of domes that are shaped and contoured to conform to the shape of hands in a relaxed state and to distribute pressures across the splayed underside of the user's hand. Each dome is capable of movement in a plurality of discrete lateral sectors. The domes used together, utilizing a chording principle, can generate up to 144 characters depending on how many discrete movements are defined by the user. In a nonchording mode of operation, each dome is capable of producing up to 12 characters independently of the other dome. The two−handed implementation disclosed utilizes input movements that enable keystroke actuation via only slight arm or hand movement, no finger movement being required. In addition, cursor control is possible via either dome.

0) US2004097927A – INTERVERTEBRAL DISC REPAIR

11) Family number: 23898187 (US2004097927A) © PatBase

Title: INTERVERTEBRAL DISC REPAIR

Priority:
EP20070762689 20070205 US20010268666P 20010213 US20010297556P 20010611
US20010310131P 20010803 US20010325111P 20010926 US20010330260P 20011017
US20040555895 20040507 US20030468770 20030507 US20030468770P 20030507
US20030480057P 20030620 US20030503553P 20030916 US20030529065P 20031212
US20030470181 20030721 US20040582228P 20040622 US20050555895 20051104
US20060765147P 20060204 US20060784631P 20060322 US20060788936P 20060404
US20070702267 20070205 US20070223370 20070205 US20060919806 20060503
US20060418446 20060503 US20050555895 20051107 US20050677389P 20050503
US20050159899 20050622 US20040840816 20040507 US20040587837P 20040714
US20050660120P 20050308 US20050630706 20050622 US20050165076 20050622
US20070702279 20070205 WO2007US03194 20070205 WO2006US03194 20060205
WO2006US17239 20060503 US20100798773 20100410 WO2004US14368 20040507
US20110930632 20110111 WO2005US22749 20050622 WO2002US04301 20020213
WO2007US03194 20060205

Family:

Publication number	Publication date	Application number	Application date
AT336953 E	20060915	AT20020706259T	20020213
AT358448 E	20070415	AT20040760924T	20040507
AU2002240360 AA	20020828	AU20020240360	20020213
AU2004238302 AA	20041125	AU20040238302	20040507
AU2004238302 BB	20070125	AU20040238302	20040507
AU2007211231 AA	20070809	AU20070211231	20070205
AU2007211231 BB	20111124	AU20070211231	20070205
BRPI0410425 A	20060613	BR2004PI10425	20040507
BRPI0707476 A2	20110503	BR2007PI07476	20070205
CA2524443 AA	20051102	CA20042524443	20040507
CA2524443 C	20080617	CA20042524443	20040507
CA2560222 AA	20060912	CA20052560222	20050622
CA2637029 AA	20080711	CA20072637029	20070205
CA2637029 C	20140325	CA20072637029	20070205
CN100349553 C	20071121	CN200480012017	20040507
CN101378701 A	20090304	CN200780004466	20070205
CN101378701 B	20111207	CN200780004466	20070205
CN1784182 A	20060607	CN200480012017	20040507
DE602004005699 D1	20070516	DE200460005699T	20040507
DE602004005699 T2	20071227	DE200460005699T	20040507
DE602007045546 D1	20160512	DE200760045546T	20070205
DE60214170 D1	20061005	DE20026014170	20020213
DE60214170 T2	20070719	DE20026014170T	20020213
EP1399077 A2	20040324	EP20020706259	20020213
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US8361007 BB	20130129	US20070223370	20070205	
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ZA200806141 A	20091230	ZA20080006141	20070205	

Probable Assignee: ALEEVA MEDICAL INC

Assignee(s):(std)**:** ALEEVA MEDICAL INC ; ALEEVA MEDICAL INC A DELAWARE ; ALEEVE MEDICAL INC A DELAWARE ; YEUNG JEFFREY E ; YEUNG TERESA T ; YEUNG JEFFREY ERIC ; ALIVA MEDIKAL INK ; YEUNG JEFF

Assignee(s): ALEEVE MEDICAL INC A DELAWARE CORP ; ALLEVA MEDICAL INC ; ALEEVA MEDICAL INC A DELAWARE CORP ; ALEEVA MEDICAL INC SAN JOSE

Inventor(s):(std)**:** JEFFREY E YEUNG ; TERESA T YEUNG ; YEUNG JEFF ; YEUNG JEFFREY E ; YEUNG T ; YEUNG TERESA T ; YEUNG JEFFREY E YEUNG TERESA T ; YEUNG JEFFREY ERIC ; JENG TEREZA T ; JENG DZHEFFRI E

Inventor(s): YEUNG JEFFREY E SAN JOSE ; YEUNG JEFFREY ; YEUNG TERESA T SAN JOSE ; YEUNG TERESA

Agent(s): A J PARK; AJ PARK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; STAINTHORPE VANESSA JULIET; LAZCANO JESUS; REINHOLD COHN AND PARTNERS; JEFFREY E YEUNG; GREGORY SMITH AND ASSOCIATES; JEFREY E YEUNG; CAROL; GSS LAW GROUP; CAROL TITUS GSS LAW GROUP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B A61B17/00 A61B17/06 A61B17/16 A61B17/17 A61B17/20 A61B17/34 A61B17/56 A61B17/70 A61B17/88 A61D1/00 A61F2/44 A61F2/46 A61K35/12 A61K35/23 A61K35/24 A61K35/39 A61K35/40 A61K35/407 A61K35/48 A61K35/50 A61K35/54 A61K38/22 A61K38/27 A61K38/35 A61L27/28 A61L27/38 A61L31/00 A61M1/00 A61M25/00 A61M31/00 A61M37/00 A61M5/00 A61M5/158 A61M5/178 A61M5/31 A61M5/32 A61P19/00 A61P29/00 A61P5/00 B22D19/00 (Advanced/Invention); A61B17/00 A61B17/34 A61B19/00 A61F2/44 A61M37/00 (Advanced/Non–invention); A61B17/00 A61B17/06 A61B17/16 A61B17/20 A61B17/34 A61B17/56 A61B17/70 A61B17/88 A61F2/44 A61L27/00 A61L31/00 A61M1/00 A61M25/00 A61M31/00 A61M5/32 B22D19/00 (Core/Invention); A61B17/00 A61B19/00 A61F2/44 (Core/Non–invention); A61B A61D A61F A61L (Subclass/Invention)

International class (IPC 1–7): A61B17/06 A61B17/56 A61B17/58 A61B17/70 A61B17/88 A61B71/88 A61F2/44 A61L31/00 A61M31/00

CPC: A61B17/06066 A61B17/062 A61B2017/061 A61B2017/90 A61L27/28 A61B17/1757 A61B17/70 A61B2017/00004 A61B2017/00867 A61F2002/4435 A61B17/3478 A61B2017/00261 A61B2017/00575 A61B17/3472 A61B17/0057 A61B17/8811 A61B2017/00637 A61B2017/00654 A61L27/3658 A61B17/00 A61F2/94 A61F2002/444 A61L27/3604 A61L27/3804 A61L27/3856 A61L2430/38 A61B2090/033 A61B17/7061 A61B17/1604 A61B17/1615 A61B17/162 A61B17/1624 A61B17/1637 A61B17/1671 A61F2/44 A61B17/34 A61M37/00 A61B17/56

European class: A61B17/00 A61B17/062 A61B17/06N A61B17/16C A61B17/16D2 A61B17/16D4 A61B17/16D6B A61B17/16S4 A61B17/17S4 A61B17/34L A61B17/34Q A61B17/70L A61L27/00 A61L27/28 A61L27/36B A61L27/36F2D2 A61L27/38B A61L27/38D2D2 K61B17/00A K61B17/00E1D K61B17/00P K61B17/00P11G K61B17/00P5 K61B17/00P7 K61B17/00S12 K61B17/06N8 K61B17/16D2 K61B17/16S4 K61B17/88A2C K61B17/90 K61F2/44D4 K61F2/44D6 K61F2/94 K61L430/38

US class: 164/10 164/10P 604/158 604/159 604/164.01 604/164.010S 604/239 604/264 604/264P 604/27 604/27P 604/28 604/28P 604/46 604/46S 604/500 604/500P 604/506 604/8 604/8P 604/8S 604/93.01 604/93.010S 606/108 606/108P 606/246 606/246S 606/247 606/247S 606/277 606/277S 606/279 606/279S 606/325 606/325S 606/61 606/80 606/80P 606/86.00AP 606/86.00R 606/86A 606/86R 606/907 606/907S 606/910 606/910S 623/17.11 623/17.110P 623/17.16 623/17.160S

Classification Explorer

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Forward Citations: WO16163812, WO15105162, WO15059958, WO13009516, WO13009516, WO12170700, WO12170700, WO12128829, WO12065753, WO11082390, WO11082390, WO10127359, WO10033739, WO10033739, WO09042598, WO08103781, WO08103781, WO07089947, WO07089947, WO07059328, WO07059328, WO06119455, WO06116119, WO06045007, WO06044649, WO06044649, WO06014159, WO03088876, WO03088876, USD566277, USD556905, US9724515, US9724151, US9717600, US9706947, US9693901, US9675394, US9675387, US9662157, US9662128, US9642712, US9636254, US9629687, US9622783, US9616221, US9616204, US9610195, US9610106, US9610073, US9598673, US9597395, US9592154, US9585790, US9585725, US9579129, US9566095, US9561063, US9545268, US9532796, US9517077, US9511096, US9511094, US9510885, US9504716, US9498595, US9492483, US9492201, US9492151, US9486484, US9486264, US9486227, US9480718, US9468473, US9463203, US9463041, US9463029, US9463012, US9456829, US9439642, US9427497, US9421005, US9402668, US9393153, US9393127, US9393126, US9375323, US9364587, US9364339, US9358029, US9351769, US9351741, US9351739, US9345491, US9339265, US9333087, US9326891, US9326866, US9320618, US9314349, US9314253, US9314252, US9289201, US9283116, US9277950, US9277929, US9271869, US9271779, US9271766, US9271741, US9265620, US9259329, US9259326, US9247952, US9237908, US9226832, US9226828, US9204908, US9204899, US9198937, US9192516, US9192395, US9173678, US9173650, US9173647, US9161784, US9161773, US9155544, US9155532, US9149314, US9149286, US9149281, US9138254, US9138222, US9133431, US9125723, US9125682, US9113994, US9101386, US9095413, US9095411, US9089438, US9089323, US9078691, US9067362, US9066808, US9061064, US9060767, US9050136, US9050112, US9044338, US9039741, US9033942, US9028549, US9017276, US9005250, US8998923, US8979929, US8974541, US8974511, US8968408, US8961609, US8954162, US8951295, US8951289, US8951255, US8936805, US8920828, US8883499, US8882836, US8882793, US8876827, US8852256, US8852137, US8852136, US8845699, US8845639, US8845637, US8840632, US8828070, US8827981, US8815099, US8814937, US8814902, US8814879, US8814873, US8808376, US8808329, US8801787, US8801766, US8801626, US8790380, US8784801, US8771678, US8765210, US8758290, US8747439, US8740979, US8721702, US8721647, US8709042, US8691216, US8690857, US8685052, US8676348, US8663303, US8663228, US8657842, US8652138, US8647346, US8642060, US8642059, US8617208, US8617185, US8617163, US8613745, US8603512, US8591583, US8585704, US8579902, US8577469, US8568416, US8568047, US8556978, US8551171, US8551097, US8540717, US8535380, US8535327, US8518123, US8496657, US8470043, US8469961, US8454617, US8454612, US8454603, US8449490, US8430881, US8419653, US8409284, US8409206, US8404229, US8403943, US8399619, US8398641, US8398638, US8398579, US8394146, US8394102, US8393814, US8388624, US8388550, US8366773, US8366712, US8361155, US8361007, US8357198, US8357197, US8337834, US8323341, US8303516, US8298187, US8257437, US8257356, US8246947, US8246265, US8231678, US8226312, US8221397, US8221012, US8192436, US8192435, US8187333, US8157786, US8142477, US8127770, US8119121, US8118844, US8118779, US8114082, US8105384, US8092456, US8088150, US8075618, US8062300, US8062298, US8057544, US8048080, US8029511, US8025698, US8021425, US8002836, US7998213, US7988716, US7967865, US7967864, US7963993, US7963915, US7959679, US7959577, US7955391, US7955312, US7938830, US7918854, US7918849, US7914545, US7905923, US7905874, US7887538, US7879027, US7857813, US7850382, US7842304, US7842041, US7824390, US7811291, US7799833, US7785368, US7775734,

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Abstract:
Source: US2004097927A A saddle−shaped compression device and methods of fastening a dysfunctional intervertebral disc are used to (1) compress a protrusion to alleviate nerve impingement, (2) fortify the annulus to stabilize a motion segment, (3) minimize the inward/outward bulging and delamination of the annulus, (4) atrophy the nerve to treat discogenic pain, (5) correct the curvature of spinal deformities, (6) elevate the disc space to treat spinal stenosis, and (7) seal the seepage of nucleus pulposus from a herniated disc.

0) US6613000B – METHOD AND APPARATUS FOR MASS–DELIVERED MOVEMEN...

12) Family number: 29026462 (US6613000B) © PatBase

Title: METHOD AND APPARATUS FOR MASS–DELIVERED MOVEMENT REHABILITATION

Priority: US20000237065P 20000930 US20010967641 20010928

Family:

Publication number	Publication date	Application number	Application date
US6613000 BA	20030902	US20010967641	20010928

Probable Assignee: OF CALIFORNIA UNIV

Assignee(s):(std)**:** UNIV CALIFORNIA

Assignee(s): UNIVERSITY ; OF CALIFORNIA UNIV ; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA ; THE UNIV OF CALIFORNIA ; UNIV

Inventor(s):(std)**:** PAINTER CHRISTOPHER C ; PANG CLIFTON T ; REINKENSMEYER DAVID J

International class (IPC 8–9)**:** A61B5/22 A61H1/02 A63F13/06 G06F3/00 G06F3/01 (Advanced/Invention); A61B5/22 A61H1/02 A63F13/02 G06F3/00 G06F3/01 (Core/Invention)

International class (IPC 1–7)**:** A61B5/103 A61B5/117

CPC: G06F3/016 A61B5/221 A61B5/4528 A61H1/0274 A61H2201/5007 A61H2201/501 A63F13/06 A63F13/285 A63F2300/1037 A63F2300/407 G06F2203/015

European class: A61B5/22B A61H1/02M A63F13/06 G06F3/00B8T G06F3/01F K61B5/45K K61H201/11D K61H201/50C K61H201/50C2 K63F300/10F K63F300/40N S06F203/015

US class: 600/587

Classification Explorer

Cited documents: US6261239 BA, US6225977 BA, US6206702 BA,

Forward Citations: WO13109864, WO11096787, WO09141460, WO07131340, US9539459, US9522316, US9307941, US9238137, US9162101, US8938289, US8917234, US8915871, US8888723, US8834169, US8821416, US8795207, US8792977, US8758020, US8753296, US8615529, US8574178, US8545420, US8545323, US8540652, US8241186, US8177732, US8112155, US8013837, US7854708, US7849115, US7837599, US7252644, US7169085, US2016121166, US2015105222, US2013338548, US2013338547, US2013331743, US2013324379, US2012316453, US2012084180, US2011257566, US2011137196, US2011137138, US2011041077, US2009221928, US2009131225, US2008293551, US2008288020, US2008281633, US2008242521, US2008234781, US2008234113, US2008179214, US2008161733, US2008004550, US2008004114, US2007299371, US2007282912, US2007265146, US2007135738, US2007118406, US2007060445, US2006079817, US2006074550, US2006064350, JP5776202, JP5630560, JP2012165834, JP2009131647, ITMI20090437, EP2144556, EP2085124,

Abstract:
Source: US6613000B A computer–based system provides arm movement therapy for patients with sensory motor impairments. The system is based off a web site that provides access to assessment and therapy exercises designed to test and improve motor coordination in the arm. It operates over the World Wide Web using client–side applets, and can track user movement recovery over time and report it to a remote server computer. The system can also be customized to provide a personalized program of therapeutic exercise to a multiplicity of individuals. A mass manufactured computer input device senses the user's movement and provides a means to track sensory motor performance.

13) Family number: 30361091 (US2004049409A) © PatBase

Title: COMPUTERIZED METHOD AND SYSTEM FOR DETERMINING BREACH OF DUTY IN PREMISES LIABILITY FOR AN ACCIDENT

Priority: US20020238019 20020909

Family:

Publication number	Publication date	Application number	Application date
US2004049409 AA	20040311	US20020238019	20020909
US7702528 BB	20100420	US20020238019	20020909

Probable Assignee: COMPUTER SCIENCES CORP

Assignee(s):(std)**:** COMPUTER SCIENCES CORP

Assignee(s): REYNOLDS GILDA ; WAHLBIN STEFAN

Inventor(s):(std)**:** REYNOLDS GILDA ; WAHLBIN STEFAN

Agent(s): MEYERTONS HOOD KIVLIN KOWERT AND GOETZEL PC; ERIC B

International class (IPC 8–9): G06Q10/00 G06Q10/10 (Advanced/Invention); G06Q10/00 (Core/Invention)

International class (IPC 1–7): G06F17/60

CPC: G06Q10/10 G06Q40/08

European class: G06F17/60A G06Q10/10 G06Q40/08

US class: 705/4 705/4P

Classification Explorer

Cited documents: US7430515 BA, US7430514 BA, US7418400 BA, US7398219 BA, US7363264 BA, US7359863 BA, US7356541 BA, US7353196 BA, US7343307 BA, US7337121 BA, US7197444 BB, US7095426 BA, US7051046 BB, US7024418 BA, US7013284 BB, US6970844 BA, US6961708 BA, US6952741 BA, US6938029 BA, US6925468 BA, US6850843 BB, US6832205 BA, US6675074 BB, US6604080 BA, US6570609 BA, US6532459 BA, US6525672 BB, US6493650 BA, US6473084 BA, US6446086 BA, US6408304 BA, US6405132 BA, US6397334 BA, US6381561 BA, US6363360 BA, US6351893 BA, US6336096 BA, US6308187 BA, US6301563 BA, US6268804 BA, US6254127 BA, US6246933 BA, US6236975 BA, US6226623 BA, US6223125 BA, US6185540 BA, US6185490 BA, US6184782 BA, US6173284 BA, US6173284 B1, US6163770 A, US6161071 A, US6141611 A, US6141015 A, US6134582 A, US6115690 A, US6105007 A, US6092049 A, US6081832 A, US6076026 A, US6064983 A, US6049665 A, US6043813 A, US6038393 A, US6037860 A, US6009402 A, US5991733 A, US5987434 A, US5956687 A, US5950169 A, US5948035 A, US5937189 A, US5933816 A, US5930759 A, US5909683 A, US5907848 A, US5877707 A, US5873066 A, US5870711 A, US5862500 A, US5832481 A, US5815093 A, US5798949 A, US5797134 A, US5787269 A, US5768506 A, US5768505 A, US5745901 A, US5717391 A, US5696705 A, US5689706 A, US5652705 A, US5638508 A, US5586310 A, US5585798 A, US5557515 A, US5550976 A, US5524489 A, US5523942 A, US5504674 A, US5499330 A, US5483632 A, US5483442 A, US5455947 A, US5446659 A, US5434994 A, US5394555 A, US5386566 A, US5317503 A, US5243524 A, US5233513 A, US5201044 A, US5191522 A, US5180309 A, US5172281 A, US5128859 A, US5099422 A, US4931793 A, US4878167 A, US4656585 A, US4638289 A, US4166599 A, US2007214020 AA, US2006031103 AA, US2005192850 AA, US2005060205 AA, US2004111301 AA, US2004103010 AA, US2004103009 AA, US2004103008 AA, US2004103007 AA, US2004103006 AA, US2004103005 AA, US2004103004 AA, US2004102985 AA, US2004102984 AA, US2004054559 AA, US2004054558 AA, US2004054557 AA, US2004054556 AA, US2004030587 AA, US2003200123 AA, US2003114972 AA, US2002128881 AA, US2002091504 AA, US2002087363 AA, US2002082873 AA, US2002069092 AA, US2002069091 AA, US2002062235 AA, US2002062234 AA, US2002062233 AA, US2002062232 AA, US2002059097 AA, US2002059087 AA, US2002059086 AA, US2002059085 AA, US2002059084 AA, US2002059083 AA, US2002055861 AA, US2002055860 AA, US2002049619 AA, US2002035488 AA, US2002030587 AA, US2002007289 AA, US2002004729 AA, US2001044735 AA, US2001041993 AA, US2001037223 AA, JP111611711, JP10214283, JP10197285, GB2054229, EP0926608, EP0465018, EP0280773,

Forward Citations: US8833663, US8468035, US8244558, US8219424, US8083152, US8069062, US8000985, US7991630, US7904318, US7895063, US7890353, US7890352, US7848938, US7827045, US7824029, US7818187, US7815124, US7809586, US7805321, US7804982, US7798413, US7792690, US7789311, US7756729, US7752061, US7742988, US7742936, US7742935, US7725334, US7702529, US7694887, US7680680, US7672860, US7661600, US7660725, US7653559, US7630909, US2011123132, US2009187431, US2009187430, US2006047540, US2006031103, US2006004612, US2005278640, US2005273368, US2005192850, US2005108063, US2005097051, US2004102985, US2002062234, US2002062232, US2002059086, US2002059085, US2002059084, US2002049619,

Abstract:
Source: US2004049409A A computer−implemented method and system for determining breach of duty in premises liability for an accident is provided. In one embodiment, breach of duty may be determined from characteristics of the accident. Characteristics may be provided to the computer system and evaluated to determine the breach of duty. In an embodiment, characteristics may include an insured type. Breach of duty may be determined for a claimant that includes an invitee, licensee, or trespasser.

14) Family number: 30383172 (US2004054556A) © PatBase

Title: COMPUTERIZED METHOD AND SYSTEM FOR DETERMINING CAUSATION IN PREMISES LIABILITY FOR AN ACCIDENT

Priority: US20020237547 20020909

Family:

Publication number	Publication date	Application number	Application date
US2004054556 AA	20040318	US20020237547	20020909

Probable Assignee: COMPUTER SCIENCE CORP

Assignee(s): COMPUTER SCIENCE CORP ; REYNOLDS GILDA ; WAHLBIN STEPHAN

Inventor(s):(std)**:** REYNOLDS GILDA ; WAHLBIN STEPHAN

International class (IPC 8–9): G06Q40/00 G06Q40/08 (Advanced/Invention); G06Q40/00 (Core/Invention)

International class (IPC 1–7): G06F17/60

CPC: G06Q40/08

European class: G06F17/60D4 G06Q40/08

US class: 705/4 705/4P

Classification Explorer

Cited documents: US6696929 BB, US6604080 BA, US6351893 BA, US6336096 BA, US6308187 BA, US6268804 BA, US6254127 BA, US6246933 BA, US6236975 BA, US6226623 BA, US6223125 BA, US6185540 BA, US6185490 BA, US6184782 BA, US6173284 BA, US6163770 A, US6141611 A, US6141015 A, US6134582 A, US6115690 A, US6105007 A, US6098070 A, US6092049 A, US6081832 A, US6076026 A, US6064983 A, US6049665 A, US6043813 A, US6038393 A, US6037860 A, US6009402 A, US5991733 A, US5987434 A, US5956687 A, US5950169 A, US5948035 A, US5937189 A, US5933816 A, US5930759 A, US5909683 A, US5907848 A, US5877707 A, US5873066 A, US5870711 A, US5862500 A, US5832481 A, US5815093 A, US5798949 A, US5797134 A, US5787429 A, US5787269 A, US5768506 A, US5768505 A, US5745901 A, US5717391 A, US5710578 A, US5696705 A, US5689706 A, US5652705 A, US5638508 A, US5586310 A, US5585798 A, US5557515 A, US5550976 A, US5524489 A, US5523942 A, US5504674 A, US5499330 A, US5483632 A, US5483442 A, US5455947 A, US5446659 A, US5434994 A, US5394555 A, US5386566 A, US5317503 A, US5243524 A, US5233513 A, US5201044 A, US5191522 A, US5180309 A, US5172281 A, US5099422 A, US4931793 A, US4878167 A, US4839822 A, US4656585 A, US4638289 A, US4166599 A, US2007214020 AA, US2005198154 AA, US2004205562 AA, US2004030587 AA, US2002007289 AA, US2002004729 AA, US2002000030 AA, US2001044735 AA, US2001041993 AA, US2001037223 AA,

Forward Citations: US8833663, US8468035, US8244558, US8219424, US8083152, US8069062, US8000985, US7991630, US7904318, US7895063, US7890353, US7890352, US7848938, US7827045, US7824029, US7818187, US7815124, US7809586, US7805321, US7804982, US7798413, US7792690, US7789311, US7756729, US7752061, US7742988, US7742936, US7742935, US7725334, US7702529, US7702528, US7694887, US7680680, US7672860, US7661600, US7660725, US7653559, US7630909, US2011123132, US2009187431, US2009187430, US2006047540, US2006031103, US2006004612, US2005278640, US2005273368, US2005192850, US2005108063, US2005097051, US2004102985, US2002062234, US2002062232, US2002059086, US2002059085, US2002059084, US2002049619,

Abstract:
Source: US2004054556A Computer–implemented methods and systems for determining causation of a dangerous condition in premises liability for an accident are provided. In one embodiment, a set of characteristics of the accident may be provided to a computer system. In some embodiments, a cause in fact of a claimant's harm may be determined from at least one of the characteristics. In certain embodiments, a proximate cause of the claimant's harm may be determined from at least one of the characteristics.

15) Family number: 30383173 (US2004054557A) © PatBase

Title: COMPUTERIZED METHOD AND SYSTEM FOR ESTIMATING PREMISES LIABILITY FOR AN ACCIDENT

Priority: US20020238025 20020909

Family:

Publication number	Publication date	Application number	Application date
US2004054557 AA	20040318	US20020238025	20020909

Probable Assignee: COMPUTER SCIENCES CORP

Assignee(s): COMPUTER SCIENCES CORP ; REYNOLDS GILDA ; WAHLBIN STEFAN

Inventor(s):(std)**:** REYNOLDS GILDA ; WAHLBIN STEFAN

International class (IPC 8–9)**:** G06Q10/00 G06Q10/10 G06Q40/00 (Advanced/Invention); G06Q10/00 G06Q40/00 (Core/Invention)

International class (IPC 1–7)**:** G06F17/60

CPC: G06Q10/10 G06Q40/08

European class: G06F17/60A G06F17/60D4 G06Q10/10 G06Q40/08

US class: 705/4 705/4P

Classification Explorer

Cited documents: US6381561 BA, US6363360 BA, US6351893 BA, US6336096 BA, US6308187 BA, US6268804 BA, US6254127 BA, US6246933 BA, US6236975 BA, US6226623 BA, US6223125 BA, US6185540 BA, US6185490 BA, US6184782 BA, US6173284 BA, US6163770 A, US6141611 A, US6141015 A, US6134582 A, US6115690 A, US6105007 A, US6098070 A, US6092049 A, US6081832 A, US6076026 A, US6064983 A, US6049665 A, US6043813 A, US6038393 A, US6037860 A, US6009402 A, US5991733 A, US5987434 A, US5956687 A, US5950169 A, US5948035 A, US5937189 A, US5933816 A, US5930759 A, US5909683 A, US5907848 A, US5877707 A, US5873066 A, US5870711 A, US5862500 A, US5832481 A, US5815093 A, US5798949 A, US5797134 A, US5787269 A, US5768506 A, US5768505 A, US5745901 A, US5717391 A, US5696705 A, US5689706 A, US5652705 A, US5638508 A, US5586310 A, US5585798 A, US5557515 A, US5550976 A, US5524489 A, US5523942 A, US5504674 A, US5499330 A, US5483632 A, US5483442 A, US5455947 A, US5446659 A, US5434994 A, US5394555 A, US5386566 A, US5317503 A, US5243524 A, US5233513 A, US5201044 A, US5191522 A, US5180309 A, US5172281 A, US5099422 A, US4931793 A, US4878167 A, US4656585 A, US4638289 A, US4166599 A, US2004030587 AA, US2002059085 AA, US2002059084 AA, US2002059083 AA, US2002055861 AA, US2002055860 AA, US2002049619 AA, US2002035488 AA, US2002030587 AA, US2002007289 AA, US2002004729 AA, US2001041993 AA, US2001037223 AA,

Forward Citations: US8833663, US8468035, US8244558, US8219424, US8083152, US8069062, US8000985, US7991630, US7904318, US7890353, US7890352, US7848938, US7827045, US7824029, US7818187, US7815124, US7809586, US7805321, US7804982, US7798413, US7789311, US7756729, US7752061, US7742988, US7742936, US7742935, US7702528, US7694887, US7680680, US7672860, US7661600, US7653559, US7630909, US2011123132, US2009187431, US2009187430, US2006047540, US2006031103, US2006004612, US2005278640, US2005273368, US2005192850, US2005108063, US2005097051, US2002062234, US2002062232, US2002059086, US2002059085, US2002059084, US2002049619,

Abstract:
Source: US2004054557A Computer–implemented methods and systems for estimating liability for an accident on a premises are provided. In one embodiment, premises liability may be determined from the negligence of an insured, defenses, and bars. Negligence of an insured to a claimant may be determined from the claimant status, duties of the insured to the claimant, breach of duty, and causation. In an embodiment, characteristics of the accident may be provided to a computer system. Claimant status, breach of duty, causation, defenses, and bars may be determined from at least one of the characteristics.

16) Family number: 30383174 (US2004054558A) © PatBase

Title: COMPUTERIZED METHOD AND SYSTEM FOR DETERMINING CLAIMANT STATUS IN PREMISES LIABILITY FOR AN ACCIDENT

Priority: US20020238029 20020909

Family:

Publication number	Publication date	Application number	Application date
US2004054558 AA	20040318	US20020238029	20020909

Probable Assignee: COMPUTER SCIENCES CORP

Assignee(s): COMPUTER SCIENCES CORP ; REYNOLDS GILDA ; WAHLBIN STEFAN

Inventor(s):(std)**:** REYNOLDS GILDA ; WAHLBIN STEFAN

International class (IPC 8–9)**:** G06Q10/00 G06Q10/10 G06Q40/00 (Advanced/Invention); G06Q10/00 G06Q40/00 (Core/Invention)

International class (IPC 1–7)**:** G06F17/60

CPC: G06Q10/10 G06Q40/08

European class: G06F17/60A G06F17/60D4 G06Q10/10 G06Q40/08

US class: 705/4 705/4P

Classification Explorer

Cited documents: US7051046 BB, US6850843 BB, US6675074 BB, US6604080 BA, US6473084 BA, US6405132 BA, US6363360 BA, US6351893 BA, US6336096 BA, US6308187 BA, US6268804 BA, US6254127 BA, US6246933 BA, US6236975 BA, US6226623 BA, US6223125 BA, US6185540 BA, US6185490 BA, US6184782 BA, US6173284 BA, US6163770 A, US6141611 A, US6141015 A, US6134582 A, US6115690 A, US6105007 A, US6092049 A, US6081832 A, US6076026 A, US6064983 A, US6049665 A, US6043813 A, US6038393 A, US6037860 A, US6009402 A, US5991733 A, US5987434 A, US5956687 A, US5950169 A, US5948035 A, US5937189 A, US5933816 A, US5930759 A, US5909683 A, US5907848 A, US5877707 A, US5873066 A, US5870711 A, US5862500 A, US5832481 A, US5815093 A, US5798949 A, US5797134 A, US5787429 A, US5787269 A, US5768506 A, US5768505 A, US5745901 A, US5717391 A, US5696705 A, US5689706 A, US5638508 A, US5586310 A, US5585798 A, US5557515 A, US5550976 A, US5524489 A, US5523942 A, US5504674 A, US5499330 A, US5483632 A, US5483442 A, US5455947 A, US5446659 A, US5434994 A, US5394555 A, US5386566 A, US5317503 A, US5243524 A, US5233513 A, US5201044 A, US5191522 A, US5180309 A, US5172281 A, US5099422 A, US4931793 A, US4878167 A, US4656585 A, US4638289 A, US2004030587 AA, US2003009359 AA, US2002047729 AA, US2002035488 AA, US2002030587 AA, US2002007289 AA, US2002004729 AA, US2001044735 AA, US2001041993 AA, US2001037223 AA,

Forward Citations: US8833663, US8700743, US8468035, US8244558, US8219424, US8083152, US8069062, US8000985, US7991630, US7904318, US7895063, US7890353, US7890352, US7848938, US7827045, US7824029, US7818187, US7815124, US7809586, US7805321, US7804982, US7798413, US7792690, US7789311, US7756729, US7752061, US7742988, US7742936, US7742935, US7725334, US7702529, US7702528, US7694887, US7680680, US7672860, US7661600, US7660725, US7653559, US2011123132, US2009187431, US2009187430, US2006047540, US2006031103, US2006004612, US2005278640, US2005273368, US2005108063, US2005097051, US2002062234, US2002062232, US2002059086, US2002059084, US2002049619,

Abstract:
Source: US2004054558A A computer–implemented method and system for determining claimant status in premises liability for an accident is provided. In one embodiment, claimant status in premises liability may be determined from characteristics of the accident. Characteristics of the accident may be provided to a computer system and the characteristics may be evaluated. In some embodiments, the characteristics may include a location of the accident, a jurisdiction, and an insured type.

17) Family number: 30383175 (US2004054559A) © PatBase

Title: COMPUTERIZED METHOD AND SYSTEM FOR DETERMINING THE CONTRIBUTION OF DEFENSES TO PREMISES LIABILITY FOR AN ACCIDENT

Priority: US20020238981 20020909

Family:

Publication number	Publication date	Application number	Application date
US2004054559 AA	20040318	US20020238981	20020909
US7672860 BB	20100302	US20020238981	20020909

Probable Assignee: COMPUTER SCIENCES CORP

Assignee(s):(std)**:** COMPUTER SCIENCES CORP

Assignee(s): REYNOLDS GILDA ; WAHLBIN STEFAN

Inventor(s):(std)**:** REYNOLDS GILDA ; WAHLBIN STEFAN

Agent(s): MEYERTONS HOOD KIVLIN KOWERT AND GOETZEL PC; ERIC B

International class (IPC 8–9)**:** G06Q10/00 G06Q10/10 G06Q40/00 G06Q50/22 G06Q50/24 (Advanced/Invention); G06Q10/00 G06Q40/00 (Core/Invention)

International class (IPC 1–7)**:** G06F17/60

CPC: G06Q10/10 G06Q40/08 G06Q50/22 G06Q50/24

European class: G06F17/60A G06F17/60D4 G06Q10/10 G06Q40/08 G06Q50/22 G06Q50/24

US class: 705/2 705/3 705/4 705/4P

Classification Explorer

Cited documents: WO9506884, US7430515 BA, US7430514 BA, US7418400 BA, US7398219 BA, US7363264 BA, US7359863 BA, US7356541 BA, US7353196 BA, US7343307 BA, US7337121 BA, US7197444 BB, US7095426 BA, US7051046 BB, US7024418 BA, US7013284 BB, US6970844 BA, US6961708 BA, US6952741 BA, US6938029 BA, US6925468 BA, US6850843 BB, US6832205 BA, US6696929 BB, US6675074 BB, US6604080 BA, US6570609 BA, US6532459 BA, US6525672 BB, US6493650 BA, US6473084 BA, US6446086 BA, US6408304 BA, US6405132 BA, US6397334 BA, US6381561 BA, US6363360 BA, US6351893 BA, US6336096 BA, US6308187 BA, US6268804 BA, US6254127 BA, US6246933 BA, US6236975 BA, US6226623 BA, US6223125 BA, US6185540 BA, US6185490 BA, US6184782 BA, US6173284 BA, US6173284 B1, US6163770 A, US6161071 A, US6141611 A, US6141015 A, US6134582 A, US6115690 A, US6105007 A, US6098070 A, US6092049 A, US6081832 A, US6076026 A, US6064983 A, US6049665 A, US6043813 A, US6038393 A, US6037860 A, US6009402 A, US5991733 A, US5987434 A, US5956687 A, US5950169 A, US5948035 A, US5937189 A, US5933816 A, US5930759 A, US5909683 A, US5907848 A, US5877707 A, US5873066 A, US5870711 A, US5862500 A, US5832481 A, US5815093 A, US5798949 A, US5797134 A, US5787429 A, US5787269 A, US5768506 A, US5768505 A, US5745901 A, US5717391 A, US5710578 A, US5696705 A, US5689706 A, US5652705 A, US5638508 A, US5586310 A, US5585798 A, US5557515 A, US5550976 A, US5524489 A, US5523942 A, US5504674 A, US5499330 A, US5483632 A, US5483442 A, US5455947 A, US5446659 A, US5434994 A, US5394555 A, US5386566 A, US5317503 A, US5243524 A, US5233513 A, US5201044 A, US5191522 A, US5180309 A, US5172281 A, US5128859 A, US5099422 A, US4931793 A, US4878167 A, US4839822 A, US4656585 A, US4638289 A, US4166599 A, US2007214020 AA, US2006031103 AA, US2005198154 AA, US2005192850 AA, US2005060205 AA, US2004205562 AA, US2004111301 AA, US2004103010 AA, US2004103009 AA, US2004103008 AA, US2004103007 AA, US2004103006 AA, US2004103005 AA, US2004103004 AA, US2004102985 AA, US2004102984 AA, US2004054558 AA, US2004054557 AA, US2004054556 AA, US2004049409 AA, US2004030587 AA, US2003200123 AA, US2003125991 AA, US2003114972 AA, US2002161597 AA, US2002145666 AA, US2002133362 AA, US2002128881 AA, US2002091504 AA, US2002087363 AA, US2002082873 AA, US2002069092 AA, US2002069091 AA, US2002062235 AA, US2002062234 AA, US2002062233 AA, US2002062232 AA, US2002059097 AA, US2002059087 AA, US2002059086 AA, US2002059085 AA, US2002059084 AA, US2002059083 AA, US2002055861 AA, US2002055860 AA, US2002049619 AA, US2002035488 AA, US2002030587 AA,

US2002007289 AA, US2002004729 AA, US2001044735 AA, US2001041993 AA, US2001037223 AA, JP111611711, JP10214283, JP10197285, EP0926608, EP0465018, EP0280773,

Forward Citations: US8833663, US8468035, US8244558, US8219424, US8083152, US8069062, US8000985, US7991630, US7904318, US7895063, US7890353, US7890352, US7848938, US7827045, US7824029, US7818187, US7815124, US7809586, US7805321, US7804982, US7798413, US7792690, US7789311, US7756729, US7752061, US7742988, US7742936, US7742935, US7725334, US7702529, US7702528, US7694887, US7680680, US7661600, US7660725, US7653559, US7630909, US2011123132, US2009187431, US2009187430, US2006047540, US2006031103, US2006004612, US2005278640, US2005273368, US2005108063, US2005097051, US2002062234, US2002062232, US2002059086, US2002059085, US2002059084, US2002049619,

Abstract:
Source: US2004054559A A computer−implemented method and system for estimating a contribution of a defense to premises liability is provided. In one embodiment, a set of characteristics of an accident may be provided to a computer system. A contribution of the defense may be determined from at least one of the characteristics of the accident. In one embodiment, a characteristic may include a location of the accident. The defense may selected from a group of one or more defenses.

0) US2004142774A – METHOD AND SYSTEM FOR CREATING COOPERTITION

18) Family number: 30735598 (US2004142774A) © PatBase

Title: METHOD AND SYSTEM FOR CREATING COOPERTITION

Priority: US20030437811P 20030103 US20030437871P 20030103 US20030748862 20031230 US20040751166 20040103 US20090409217 20090323

Family:

Publication number	Publication date	Application number	Application date
US2004142774 AA	20040722	US20040751166	20040103
US2009182443 AA	20090716	US20090409217	20090323
US6974113 BA	20051213	US20030748862	20031230
US7507169 BB	20090324	US20040751166	20040103

Probable Assignee: TECLA COMPANY INC

Assignee(s):(std)**:** KAMEN DEAN ; TECLA COMPANY INC

Assignee(s): TECLA CO INC

Inventor(s):(std)**:** CLARK JEFFREY L ; CLARK RICHARD N ; KAMEN DEAN

Agent(s): MICHELLE SAQUET TEMPLE; REISING ETHINGTON BARNES KISSELLE PC; WILLIAM J; BROMBERG AND SUNSTEIN LLP

International class (IPC 8–9): A01K97/10 A63B67/00 A63B71/06 G06F19/00 (Advanced/Invention); A01K97/10 A63B67/00 A63B71/06 G06F19/00 (Core/Invention)

International class (IPC 1–7): A01K97/10 A63B67/00

CPC: A01K97/10 A63B71/06 A63B71/0616 A63B2208/12

European class: A01K97/10 A63B71/06 K63B208/12 K63B71/06C

US class: 248/521 248/538 473/415 473/422 700/92

Classification Explorer

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Abstract:
Source: US2004142774A One embodiment of the invention is a system and method for creating cooperation and gracious professionalism during a competition. According to one embodiment of the invention, a first participating player, team, or alliance is motivated to cooperate with a second participating player, team, or alliance by rewarding the first participating player, team, or alliance for assisting the second participating player, team, or alliance to achieve a higher score than might otherwise have been the attainable. One particular embodiment of this invention is to award the first participating player, team, or alliance that obtained the highest number of points during competition with a score comprised of the number of points obtained by the first participating player, team, or alliance plus twice the number of points obtained by the second participating player, team, or alliance.

19) Family number: 31969343 (US2005240253A) © PatBase

Title: SYSTEMS AND METHODS FOR ALTERING VESTIBULAR BIOLOGY

Priority:
CA20042547445 20041126 CA20042648286 20041126 US20030525359P 20031126
US20050234457 20050923 US20050234453 20050923 US20040998222 20041126
US20040605988P 20040831 US20040615305P 20041001 US20050033246 20050111
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US20070657376 20070124 US20060761709P 20060124 US20150692419 20150421

Family:

Publication number	Publication date	Application number	Application date
CA2547445 AA	20060526	CA20042547445	20041126
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WO05051329 A2	20050609	WO2004US39754	20041126
WO05051329 A3	20070419	WO2004US39754	20041126

Probable Assignee: WICAB INC

Assignee(s):(std)**:** BACH Y RITA PAUL ; DANILOV YURI PETROVICH ; TYLER MITCHELL EUGENE ; WICAB INC

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Inventor(s): BACH Y RITA JUANA ; TYLER MITCHELL ; DANILOV YURI ; BACH Y RITA JUANA ESTHER

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9):
A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/103 A61B5/11 A61B5/117 A61B5/16 A61B9/00 A61F11/00 A61F4/00 A61F5/00 A61F5/58 A61F9/00 A61F9/08 A61H39/04 A61H99/00 A61M21/00 A61M21/02 A61M25/00 A61N1/00 A61N1/04 A61N1/05 A61N1/06 A61N1/08 A61N1/18 A61N1/20 A61N1/32 A61N1/36 B63C11/02 G08B6/00 (Advanced/Invention);
A61B5/05 A61B5/055 A61M21/00 A61M21/02 G09B21/06 (Advanced/Non–invention);

A61B5/05 A61B5/103 A61N1/00 A61N1/04 A61N1/08 A61N1/18 (Core/Invention);
A61B5/055 (Core/Non–invention);
A61K (Subclass/Invention)

International class (IPC 1–7): A61B5/103 A61B5/117 A61K A61N1/04 A61N1/06 A61N1/08 A61N1/20 A61N1/32

CPC: A61B5/6803 A61B5/686 A61M21/00 A61B5/112 A61B5/1123 A61B5/4519 A61B5/4528 A61B5/486 A61B5/682 A61B5/7225 A61B5/726 A61B2562/0209 A61F9/08 A61F11/00 A61M2021/0022 A61M2021/0027 A61M2021/0044 A61M2210/0643 A61N1/36025 A61N1/36082 A61N1/36103 G06F3/015 A61B5/14553 G06F3/011 G06F3/012 G06F3/016 A61B5/4023 A61B5/4005 A61B5/4047 A61N1/0548 A61N1/36071 A61B5/1124 A61B2562/046 A61B5/0492 A61B5/7455 A61B5/7475 A61B5/11 A61N1/36014 G06F3/03547 G06F3/038 G06F3/0383 A61B5/055 A61B5/1116

European class: A61B5/0492 A61B5/11 A61B5/11U A61B5/48S A61B5/68B2B5 A61M21/00 A61N1/36 A61N1/36E A61N1/36Z A61N1/36Z3G G06F3/01B G06F3/01B2 G06F3/01B8 G06F3/01F K61B5/11P K61B5/11R K61B5/11T K61B5/1455N4 K61B5/45F K61B5/45K K61B5/72F K61B5/72K10D K61B562/02B K61B562/04D K61F11/00 K61F9/08 K61M21/00A4 K61M21/00A5 K61M21/00A6 K61M210/06D6 K61N1/05 K61N1/36E K61N1/36E6 K61N1/36V K61N1/36Z K61N1/36Z3E

US class: 600/554 600/554S 600/595 600/595P 600/595S 607/134 607/134P 607/2 607/2P 607/45 607/45P 607/54 607/54P 607/62 607/62S

Classification Explorer

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Abstract:
Source: US2005240253A The present invention relates to systems and methods for management of brain and body functions and sensory perception. For example, the present invention provides systems and methods of sensory substitution and sensory enhancement (augmentation) as well as motor control enhancement. The present invention also provides systems and methods of treating diseases and conditions, as well as providing enhanced physical and mental health and performance through sensory substitution, sensory enhancement, and related effects. In particular, the present invention provides systems and methods for altering vestibular biology to, among other things, treat diseases and conditions or enhance performance related to vestibular functions.

0) US2007014719A – STEROID ANALOGS AND CHARACTERIZATION AND TREATM...

20) Family number: 33515136 (US2007014719A) © PatBase

Title: STEROID ANALOGS AND CHARACTERIZATION AND TREATMENT METHODS

Priority: AU20050330504 20050929 AU20110200199 20110119 US20040614869 20040929 US20050241670 20050929 US20040614869P 20040929 EP20050857726 20050929 US20060389294 20060325 WO2005US35020 20050929 WO2005US35020 20050929 US20110030326 20110218

Family:

Publication number	Publication date	Application number	Application date
AU2005330504 AA	20061019	AU20050330504	20050929
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WO06110172 A2	20061019	WO2005US35020	20050929
WO06110172 A3	20070111	WO2005US35020	20050929

Probable Assignee: HARBOR DIVERSIFIED INC

Assignee(s):(std)**:** FRINCKE JAMES M ; HARBOR BIOSCIENCES INC ; DOWDING CHARLES ; READING CHRISTOPHER L ; HOLLIS EDEN PHARMACEUTICALS ; HARBOR THERAPEUTICS INC

Assignee(s): HARBOR THERAPEUTICS INC SAN DIEGO ; SOLYSTIC ; HARBOR DIVERSIFIED INC ; READING CHRISTOPHER ; HOLLIS EDEN PHARMACEUTIALS INC ; FRINCKE JAMES ; HOLLIS EDEN PHARMACEUTICALSINC ; HOLLIS EDEN PHARMACEUTICALS INC

Inventor(s):(std)**:** DOWDING CHARLES ; FRINCKE JAMES ; FRINCKE JAMES M ; READING CHRISTOPHER ; READING CHRISTOPHER L

Inventor(s): READING CHRISTOPHER SAN DIEGO ; JAMES FRINCKE ; FRINCKE JAMES DEL MAR ; DOWDING CHARLES SAN DIEGO ; CHARLES DOWDING ; CHRISTOPHER READING

Agent(s): GRIFFITH HACK; SIM AND MCBURNEY; MAIWALD PATENTANWALTS GMBH; HUENGES MARTIN; REINHOLD COHN AND PARTNERS; HOLLIS EDEN PHARMACEUTICALS INC; ANGELO; DARYL D

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61K31/56 A61K31/567 A61K31/568 A61K31/569 A61K49/00 A61K51/00 A61P11/00 A61P11/06 A61P19/08 A61P19/10 A61P29/00 A61P43/00 A61P7/00 C07J1/00 C07J3/00 C07J41/00 C07J5/00 C07J7/00 C07J9/00 C12Q1/00 (Advanced/Invention); A61K31/56 A61K31/568 A61K49/00 A61K51/00 C12Q1/00 (Core/Invention); A61K (Subclass/Invention)

International class (IPC 1–7): A61K49/00

CPC: A61K47/60 A61K47/6907 A61K47/6951 B82Y5/00 A61K31/56 A61K31/568 A61K31/569 A61K41/00 A61K49/0004 A61K51/00

European class: A61K31/56 A61K31/568 A61K31/569 A61K41/00 A61K47/48K6P A61K47/48W18B A61K47/48W6B A61K49/00H A61K51/00 B82Y5/00

US class: 424/1.11 424/1.110P 424/9.1 424/9.100P 424/9.2 424/9.200S 435/4 435/4S 514/169 552/502 552/522 552/536 552/536P 552/538 552/540 552/542 552/543 552/544 552/546 552/547 552/548 552/551 552/552 552/553 552/554 552/555 552/557 552/558 552/559 552/562 552/564 552/565 552/569 552/580 552/581 552/582 552/583 552/585 552/586 552/589 552/590 552/599 552/603 552/604 552/605 552/606 552/607 552/608 552/610 552/611 552/612 552/615 552/616 552/616S 552/617 552/618 552/623 552/624 552/625 552/626 552/628 552/629 552/630 552/633 552/634 552/636 552/637 552/638 552/639 552/640 552/642 552/643 552/644 552/645 552/646 552/647 552/648 552/650 552/651

Classification Explorer

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Forward Citations: WO15175479, WO14159826, WO13188792, WO13188792, WO13163027, WO12170546, WO10051335, WO10030293, WO10005535, WO09137335, WO09124300, WO09124300, WO09075787, WO08156807, WO08156807, WO08143928, WO08112307, US9725481, US9585899, US9534202, US9468693, US9468692, US9295664, US9163059, US9115168, US9102702, US9101160, US9034316, US8784774, US8637005, US8586770, US8569275, US8486926, US8425899, US8367646, US8354396, US8343485, US8309746, US8217025, US8151795, US8106036, US8088370, US8076316, US8022234, US8017168, US7910755, US7910571, US7906497, US7863261, US7807458, US7794705, US7776845, US7723532, US7696189, US7691835, US7638509, US7550450, US7462610, US2016030488, US2011212935, US2011190201, US2011137057, US2011129423, US2011104146, US2011098260, US2011085984, US2010240633, US2010227841, US2010222315, US2010143317, US2010092463, US2010086546, US2010075937, US2010061976, US2010035855, US2010023344, US2010022991, US2010022497, US2010022494, US2010022489, US2010022487, US2009320845, US2009258850, US2009226402, US2009176752, US2009143349, US2008221074, US2008176824, US2008176823, US2008153797, US2008153792, US2008146532, US2008107787, US2008107776, US2008070881, US2008058301, US2008021006, US2008009472, US2007275147, US2007134391, US2007129282, US2007116836, US2007116832, US2007116831, US2007116828, US2007116827, US2007116825, US2007116822, US2007105217, US2007077203, US2007053832, US2007014719, US2006241376, US2006088473, US2006079492, US2004220114, AU2009269157,

Abstract:
Source: US2007014719A The invention relates to methods to characterize exemplified compounds such as 3beta, 17beta−dihydroxyandrost−1,5,11 −triene and 3beta, 17beta−dihydroxy−17alpha−ethynylandrost−1,5,11−triene and to the use of described compounds to ameliorate or treat a condition such as thrombocytopenia, inflammation or other exemplified conditions.

0) WO07081519A2 – GENIUS ADAPTIVE DESIGN MODELE D'ADAPTATION AU ...

21) Family number: 34894143 (WO07081519A2) © PatBase

Title: GENIUS ADAPTIVE DESIGN

Priority: AU20060335151 20061219 AU20130200386 20130125 US20050755291P 20051230 US20060756607P 20060105 US20060778313P 20060301 US20060783018P 20060315 WO2006US48704 20061219 US20060786906P 20060328 US20060852794P 20061018

Family:

Publication number	Publication date	Application number	Application date
AP200804559 A0	20080831	AP20080004559	20061219
AU2006335151 AA	20070719	AU20060335151	20061219
AU2013200386 AA	20130221	AU20130200386	20130125
CA2635954 AA	20080630	CA20062635954	20061219
CO6160255 A2	20100520	CO20080079355	20080731
EP2059899 A2	20090520	EP20060849217	20061219
EP2059899 A4	20120704	EP20060849217	20061219
IL192465 A0	20090922	IL20060192465	20061219
IN06638DN2008 A	20100507	IN2008DN06638	20080730
JP2009522654 T2	20090611	JP20080548620T	20061219
KR20080112193 A	20081224	KR20087018774	20061219
KR20130124572 A	20131114	KR20137024611	20061219
MX2008008625 A1	20090107	MX20080008625	20061219
NZ570109 A	20110826	NZ20060570109	20061219
WO07081519 A2	20070719	WO2006US48704	20061219
WO07081519 C1	20080612	WO2006US48704	20061219

Probable Assignee: INNOVATION INST LLC

Assignee(s):(std)**:** CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS

Assignee(s): WORLD CHARITY DIVISION LICENSELTTODAY COM LLC ; INNOVATION INSTITUTE LLC

Inventor(s):(std)**:** CABINALLA LINDA ; KAYS STEVEN

Inventor(s): STEVEN KAYS

Agent(s): SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)

International class (IPC 1–7): G06Q30/00

CPC: G06Q10/10 G06F17/30 G06Q30/0601 G06F17/00

European class: G06Q10/10

Classification Explorer

Forward Citations: WO13144220, WO10091514, US9077848, US9067140, US9051886, US8976218, US8918083, US8878043, US8771064, US8666891, US8594721, US8332918, US8332395, US8244558, US8224375, US8219424, US7917417, US2009187429,

Abstract:
Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1−707−428−5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in tryingit out. Discover amazing inventions inside today.

0) US2008020361A – COMPUTERIZED MEDICAL TRAINING SYSTEM

22) Family number: 41080838 (US2008020361A) © PatBase

Title: COMPUTERIZED MEDICAL TRAINING SYSTEM

Priority: US20060830183P 20060712 US20070776978 20070712 WO2007US73361 20070712 US20130924205 20130621 US20140266042 20140430 US20150742802 20150618

Family:

Publication number	Publication date	Application number	Application date
AU2007272422 AA	20080117	AU20070272422	20070712
CA2657176 AA	20090107	CA20072657176	20070712
CA2657176 C	20150908	CA20072657176	20070712
CN101506859 A	20090812	CN200780030838	20070712
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KR20090043513 A	20090506	KR20097002910	20090212
MX2009000206 A1	20090608	MX20090000206	20070712
US2008020361 AA	20080124	US20070776978	20070712
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US2014370468 AA	20141218	US20140266042	20140430
US2015287330 AA	20151008	US20150742802	20150618
US8469713 BB	20130625	US20070776978	20070712
WO08008893 A2	20080117	WO2007US73361	20070712
WO08008893 A3	20081211	WO2007US73361	20070712
WO08008893 A4	20090129	WO2007US73361	20070712

Probable Assignee: MEDICAL CYBERWORLDS INC

Assignee(s):(std)**:** FALSTEIN NOAH ; KRON FREDERICK W ; MARSELLA STACY ; MEDICAL CYBERWORLDS INC

Inventor(s):(std)**:** KRON FREDERICK W ; MARSELLA STACY ; NOAH FALSTEIN ; STACY MARSELLA ; FALSTEIN NOAH

Inventor(s): FREDERICK W KRON ; KRON FREDERICK

Agent(s): SANDERCOCK AND COWIE; RICHES MCKENZIE AND HERBERT LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; JONES HELEN MM; FOLEY AND LARDNER LLP; SCOTT A; WILEY REIN LLP; HUNTER PAUL S ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B19/00 G09B19/00 G09B23/28 G09B5/00 G09B5/02 G09B5/06 G09B9/00 (Advanced/Invention) ; A61B19/00 G09B23/00 G09B9/00 (Core/Invention)

CPC: G09B23/28 G09B5/065 G09B5/02

European class: A61N1/00 G09B23/28

US class: 434/156 434/219 434/236 434/238 434/262 434/262P 434/308

Classification Explorer

Cited documents: US8986218 BB, US8814357 BB, US8750576 BB, US8469713 BB, US8136944 BB, US7814041 BB, US7811090 BB, US7725419 BB, US7663628 BB, US7653556 BB, US7627536 BB, US7610556 BB, US7599838 BB, US7574332 BB, US7484176 BB, US7478047 BB, US7401295 BB, US7277874 BB, US7246081 BB, US7218320 BB, US7198490 BA, US7120880 BA, US7107253 BA, US7092001 BB, US7090576 BB, US7078911 BB, US7076430 BA, US7068277 BB, US7061493 BA, US7057662 BB,

US7039676 BA, US7027621 BA, US7024399 BB, US7006098 BB, US6978244 BB, US6857878 BA, US6826540 BA, US6807535 BB, US6705869 BB, US6697457 BB, US6692258 BA, US6638217 BA, US6561811 BB, US6507353 BA, US6401050 BA, US6358053 BA, US6353810 BA, US6296487 BA, US6285380 BA, US6246975 BA, US6228038 BA, US6193519 BA, US6190314 BA, US6160986 A, US6102870 A, US6077082 A, US6074213 A, US5884029 A, US5880731 A, US5867175 A, US5864363 A, US5853292 A, US5682469 A, US5676138 A, US5597312 A, US5406956 A, US5219322 A, US4992867 A, US4528989 A, US2012078065 AA, US2010286987 AA, US2010274575 AA, US2010266998 AA, US2010251147 AA, US2010251117 AA, US2010250196 AA, US2010217619 AA, US2010211397 AA, US2010198579 AA, US2010159434 AA, US2010141663 AA, US2010114595 AA, US2010097395 AA, US2010092936 AA, US2010028846 AA, US2010010370 AA, US2010010317 AA, US2009298039 AA, US2009276802 AA, US2009270170 AA, US2009216691 AA, US2009186635 AA, US2009115776 AA, US2009099836 AA, US2009098524 AA, US2009094517 AA, US2009053681 AA, US2009044112 AA, US2008268418 AA, US2008254426 AA, US2008215973 AA, US2008215972 AA, US2008146890 AA, US2008124690 AA, US2008104512 AA, US2008082991 AA, US2008079752 AA, US2008065468 AA, US2008020363 AA, US2008014566 AA, US2007288263 AA, US2007265507 AA, US2007233839 AA, US2007196797 AA, US2007167690 AA, US2007166690 AA, US2007150916 AA, US2007132597 AA, US2007112710 AA, US2007074114 AA, US2007021200 AA, US2007003914 AA, US2006293921 AA, US2006248461 AA, US2006199167 AA, US2006134585 AA, US2006122840 AA, US2006064037 AA, US2005289582 AA, US2005255434 AA, US2005223328 AA, US2005170323 AA, US2005137015 AA, US2005118996 AA, US2005069852 AA, US2005054381 AA, US2004249650 AA, US2004210159 AA, US2004197750 AA, US2004179039 AA, US2004064298 AA, US2003125610 AA, US2003091968 AA, US2003028498 AA, US2002135618 AA, US2002008716 AA, US2002005865 AA, JP2002500941 T2, JP2002157209 A2, JP11231770 A2, JP11197159 A2,

Forward Citations: WO17061574, WO16077466, WO16022946, WO09097344, US9728186, US9685193, US9661274, US9619810, US9568998, US9513888, US9483253, US9443141, US9442709, US9413839, US9408537, US9401095, US9386395, US9317653, US9313646, US9297819, US9223469, US9189607, US9183412, US9138186, US9123062, US9117316, US9100435, US9064427, US9043446, US8977959, US8972592, US8954041, US8806337, US8797331, US8734160, US8702426, US8687925, US8677254, US8620683, US8608481, US8562357, US8005656, US7895049, US2016198125, US2015339453, US2015086948, US2015026231, US2015010892, US2014356834, US2014315172, US2014278605, US2014220541, US2014220515, US2014220514, US2014168348, US2014164037, US2014162220, US2014127662, US2014106325, US2013257877, US2013024247, US2013022956, US2012293506, US2012139828, US2012129141, US2011229862, US2011218950, US2011201899, US2011189638, US2011165542, US2010304339, US2010302138, US2010299155, US2010291521, US2010275141, US2010251117, US2010217619, US2010125182, US2010092936, US2010050088, US2010035223, US2010023879, US2010003657, US2009298032, US2009164917, US2009144211, US2009061402, US2009040231, US2008313973, US2008253695, US2008231627, KR20170000002, KR101716572, KR101314121, KR101252654, KR101075017, KR101066515, JP2015515023, JP2015075615, JP2014026420, JP2013015996, JP2012008226, EP3200044, CN104680910, CN104246856, CN104115206, CN104042346, CN103491104, CN103491104,

Abstract:
Source: US2008020361A A method of medical training includes presenting a user with a medical scenario within a medical simulation in which the user plays a physician. The medical scenario includes an interaction between the user and a patient. Performance data corresponding to the user is identified. The identified performance data is based at least in part on an action of the user during the interaction between the user and the patient. The user is evaluated based at least in part on the identified performance data to determine whether the user has achieved a training goal within the medical simulation. The training goal is intended to improve a medical skill of the user.

0) US2009306741A – SYSTEMS AND METHODS FOR ALTERING BRAIN AND BODY...

23) Family number: 41773742 (US2009306741A) © PatBase

Title: SYSTEMS AND METHODS FOR ALTERING BRAIN AND BODY FUNCTIONS AND FOR TREATING CONDITIONS AND DISEASES OF THE SAME

Priority: US20060854676P 20061026 US20070925391 20071026 WO2007US82681 20071026

Family:

Publication number	Publication date	Application number	Application date
EP2081636 A2	20090729	EP20070854447	20071026
EP2081636 A4	20101222	EP20070854447	20071026
US2009306741 AA	20091210	US20070925391	20071026
WO08052166 A2	20080502	WO2007US82681	20071026
WO08052166 A3	20080703	WO2007US82681	20071026
WO08052166 C2	20080904	WO2007US82681	20071026

Probable Assignee: WICAB INC

Assignee(s):(std)**:** HOGLE RICHARD ; LEDERER SCOTT ; WICAB INC

Inventor(s):(std)**:** HOGLE RICHARD ; LEDERER SCOTT

Agent(s): GLAWE DELFS MOLL; CASIMIR JONES SC; SISK TYLER J ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/11 A61N1/00 A61N1/34 A61N1/36 (Advanced/Invention); A61B5/11 A61N1/00 A61N1/32 A61N1/36 (Core/Invention)

CPC: A61N1/36103 A61N1/36025 A61N1/36082 A61N1/37282 G06F3/011 G06F3/013 G06F3/015

European class: A61N1/36Z A61N1/36Z3E A61N1/36Z3G G06F3/01B G06F3/01B4 G06F3/01B8 K61N1/36E K61N1/36E6 K61N1/372D8R

US class: 600/595 600/595S 607/54 607/54P

Classification Explorer

Cited documents: WO05051329 A2, WO05040989 A2, US85467606 P, US7463929 BB, US7352356 BB, US7309128 BB, US7145461 BB, US6943754 BB, US6748275 BB, US6546291 BB, US6430459 BA, US6430450 BA, US6429196 BA, US6421185 BA, US6401249 BB, US6366813 BA, US6326901 BA, US6314324 BA, US6267733 BA, US6219578 BA, US6077237 A, US6063046 A, US5919149 A, US5878154 A, US5833714 A, US5749372 A, US5627237 A, US5591216 A, US5368042 A, US5337757 A, US5335657 A, US5304112 A, US5303715 A, US5209240 A, US5052406 A, US5035500 A, US5026151 A, US4938476 A, US4830024 A, US4817633 A, US4817628 A, US4813419 A, US4667676 A, US4558703 A, US4503863 A, US4305402 A, US4092633 A, US3952728 A, US2009326604 AA, US2008009772 AA, US2006241718 AA, US2006204045 AA, US2006161218 AA, US2006058619 AA, US2006045287 AA, US2005240253 AA, US2004249302 AA, US2004215236 AA, US2004127954 AA, US2004068481 AA, US2004057013 AA, US2004005859 AA, US2003199944 AA, US2003149450 AA, US2003117371 AA, US2002103429 AA, US2002072781 AA, US2002026219 AA, US2002010497 AA,

Forward Citations: WO17029563, WO16200432, WO16089752, WO15177682, WO15114629, WO13172935, WO13172935, WO13134330, WO12131667, WO12078945, WO12069429, WO12003451, WO12003451, WO11094262, US9724483, US9717920, US9693928, US9675777, US9669213, US9662391, US9649469, US9622684, US9610029, US9564059, US9560967, US9522278, US9504788, US9468538, US9449150, US9389431, US9380976, US9358361, US9352157, US9339645, US9339441, US9301711, US9282927, US9272157, US9272139, US9269132, US9265458, US9239906, US9124979, US9117363, US9084550, US9064036, US9039630, US9030505, US9026369, US9011352, US8992468, US8983593, US8942797, US8930208, US8892259, US8882679, US8876688, US8855822, US8768484, US8738395,

US8725529, US8712794, US8706518, US8694330, US8682687, US8639702, US8620442, US8615407, US8606592, US8606316, US8540660, US8529463, US8517954, US8517729, US8372020, US8351894, US8343079, US8343065, US8130262, US7935065, US2016022167, US2016015289, US2015220144, US2015057719, US2014222382, US2014127666, US2013310899, US2013307762, US2013278396, US2013123568, US2013103703, US2013090562, US2013072812, US2013066323, US2011237974, US2011230791, US2011230783, US2011230782, US2011184490, US2011184306, US2011152711, US2011092249, US2011066067, US2010222099, US2010177179, US2010169260, US2010169259, US2010168602, US2010168529, US2010164729, US2010163041, US2010163040, US2010163039, US2010163038, US2010163037, US2010163036, US2010163035, US2010163034, US2010163033, US2010163029, US2010163028, US2010163027, US2010163026, US2010163025, US2010163024, US2010163020, US2010130811, US2010069724, US2009271121, US2009271120, TWI591343, KR101475144, JP2015525088, JP2015525088, FR3020955, EP2849840, EP2658491, EP2658491,

Abstract:
Source: US2009306741A The present invention relates to systems and methods for management of brain and body functions and sensory perception. For example, the present invention provides systems and methods of sensory substitution and sensory enhancement (augmentation) as well as motor control enhancement. The present invention also provides systems and methods of treating diseases and conditions, as well as providing enhanced physical and mental health and performance through sensory substitution, sensory enhancement, and related effects.

24) Family number: 41937265 (WO08075142A1) © PatBase

Title: PERMANENT MAGNET MOTOR UNDER THE IMPULSE OF A VACUUM PUMP

Priority: EP20060077221 20061218 EP20060007722 20061218 FR20070000021 20070103

Family:

Publication number	Publication date	Application number	Application date
EP1936788 A1	20080625	EP20060077221	20061218
FR2917548 A1	20081219	FR20070000021	20070103
WO08075142 A1	20080626	WO2007IB01972	20070611
WO08075142 A4	20091112	WO2007IB01972	20070611

Probable Assignee: PATRICK MARCEL STRZYZEWSKI

Assignee(s):(std)**:** STRZYZEWSKI PATRICK ; STRZYZEWSKI PATRICK MARCEL

Assignee(s): PATRICK MARCEL STRZYZEWSKI

Inventor(s):(std)**:** STRZYZEWSKI PATRICK ; STRZYZEWSKI PATRICK MARCEL

Inventor(s): PATRICK MARCEL STRZYZEWSKI

Agent(s): PATRICK STRZYZEWSKI

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): H02K53/00 H02K7/06 H02N11/00 (Advanced/Invention); H02K53/00 H02K7/06 H02N11/00 (Core/Invention)

CPC: H02K53/00

European class: H02K53/00 Y02B10/30 Y02E10/72H

Classification Explorer

Cited documents: WO8906876 A1, WO02057626 A1, US4449363 A, US2006192442 AA, US2002121815 AA, JP63268482 A2, FR2490424 A1, DE2702898 A1, DE2549297 A1, CN1610227 A,

Forward Citations: WO09125259, EP2360348, CN103107743,

Abstract:
Method for temporal speed–varying engine, the main feature of which depends on the dynamic device at the pistons (references 1 and 3, Figure A n 1 to 4), which drives the engine output crankshaft, converting the transverse movements into rotary movements. Several magnets placed on either side of the liner, the cylinder head and the pistons act so as to make the system functional and dynamic according to the positions of the magnets relative to the working phases of the engine, for the purposes of generating the opposed propulsive magnetic flux components and resultant forces according to the poles of the magnets that repel one another. Additional energy using the vacuum principle, which a vacuum pump delivers into accumulators, will act at the accelerated top dead centre or accelerated bottom dead centre (ATDC or ABDC), so as to deliver additional power energy, such as a turbocompressor. These two energies can work in continuous tandem throughout the operating phases of the engine and the vacuum pump can rotate independently of the engine, and can therefore continuously deliver its energy day and night. This results in an autonomy, a power, a profitability, a reliability and an efficiency of a very high and satisfactory level for an engine operating without fuel.

0) FR2920532A – SMALL/AVERAGE CALIBER BALLISTIC PROJECTILE FOR ...

25) Family number: 42998264 (FR2920532A) © PatBase

Title: SMALL/AVERAGE CALIBER BALLISTIC PROJECTILE FOR NON–LETHAL WEAPON, HAS CONTENT FORMED OF SOFT MATERIAL MASS, WHERE MASS INCLUDES PRODUCT/MIXTURE PRESENTING SPECIFIC DENSITY AND VISCOSITY FOR SPECIFIC TEMPERATURE

Priority: FR20070006089 20070830

Family:

Publication number	Publication date	Application number	Application date
FR2920532 A1	20090306	FR20070006089	20070830

Probable Assignee: GUILLOT ULMANN RICHARD

Assignee(s):(std)**:** GUILLOT ULMANN RICHARD ; RAQUIN CYRILLE HENRI MARCEL

Inventor(s):(std)**:** GUILLOT ULMANN RICHARD ; RAQUIN CYRILLE HENRI MARCEL

International class (IPC 8–9): F42B12/34 F42B12/36 F42B12/72 (Advanced/Invention); F42B12/00 F42B12/02 (Core/Invention)

CPC: F42B12/34 F42B12/36 F42B12/72

European class: F42B12/34 F42B12/36 F42B12/72

Classification Explorer

Forward Citations: EP2486367, EP2486367,

Abstract:
The projectile (1) has an external aerodynamic shell (2) with a closed cell presenting surface hardness greater than 70 international rubber hardness degrees (IRHD). A content (3) is formed of a soft material mass that is viscoelastic, thermostable and deformable without rupture and homogeneity loss. The mass comprises rheofluidifying additives, metallic particles, compounds of heavy metals, product/mixture. The product/mixture presents density greater than 1.4 grams/ centimeter cube, and viscosity greater than 50000 milli Pascal second for temperature ranging between –5 and 40 degree Celsius.

0) WO09125259A1 – HYBRID ENGINE UNDER THE EFFECT OF A VACUUM, HYD...

26) Family number: 43839338 (WO09125259A1) © PatBase

Title: HYBRID ENGINE UNDER THE EFFECT OF A VACUUM, HYDRAULIC, STEAM, GAS OR AIR PUMP ALONE OR WITH PERMANENT MAGNETS

Priority: FR20080002021 20080411 FR20080002309 20080424 FR20080003200 20080609 EP20080075576 20080625 FR20080005401 20080930 WO2008IB03309 20081128 EP20080075970 20081230 EP20090075036 20090120

Family:

Publication number	Publication date	Application number	Application date
EP2141324 A2	20100106	EP20080075576	20080625
EP2141324 A3	20100113	EP20080075576	20080625
WO09125259 A1	20091015	WO2009IB00364	20090223

Probable Assignee: STRZYZEWSKI PATRICK MARCEL

Assignee(s):(std)**:** STRZYZEWSKI PATRICK MARCEL

Inventor(s):(std)**:** STRZYZEWSKI PATRICK MARCEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F01B29/02 (Advanced/Invention); H02K49/10 H02K53/00 (Advanced/Non–invention); F01B29/00 (Core/Invention); H02K49/00 H02K53/00 (Core/Non–invention)

CPC: F01B29/02 H02K49/10 H02K53/00

European class: F01B29/02 T02K49/10 T02K53/00

Classification Explorer

Cited documents: WO08075142 A1, WO05113940 A1, WO02057626 A1, US2006192442 AA, US2006000206 AA, US2002121815 AA, JP63268482 A2, FR2884281 A1, FR2490424 A1, EP1936788 A1, CN1610227 A,

Forward Citations: WO12010939, EP2360348,

Abstract:
Engine process of which the distinguishing feature is based on the principle of thermodynamics (Figures A 1.1/19 to 6.6/19), using vacuum to draw the pistons, towards TDC and BDC, alternatively with twinned and complementary neodymium iron boron or samarium cobalt magnets to rotate said engine (these magnets do not lose their power during a person's lifetime). The magnets, which are positioned on the bores of the liners and opposed to the magnetic flux of the magnets positioned on the piston, must be twice the length of the piston magnets to allow a thrust with a maximum efficiency. The hybrid engine adapted to all types of fuels is described from Figures A 7.7/19 to 16.16/19. Figure A 7.7/19 depicts the technology of a hybrid piston used under the effect of vacuum in a four–cylinder engine following the principle of ignitions 1, 3, 4 and 2, that is to say that all the pistons are explosively actuated over two revolutions of the crankshaft.

0) US2010160054A – THEMED AMUSEMENT RIVER RIDE SYSTEM

27) Family number: 45554745 (US2010160054A) © PatBase

Title: THEMED AMUSEMENT RIVER RIDE SYSTEM

Priority: US20080338535 20081218

Family:

Publication number	Publication date	Application number	Application date
US2010160054 AA	20100624	US20080338535	20081218
US8079916 BB	20111220	US20080338535	20081218

Probable Assignee: WATER RIDE CONCEPTS INC

Assignee(s):(std)**:** HENRY JEFFERY WAYNE ; WATER RIDE CONCEPTS INC

Inventor(s):(std)**:** HENRY JEFFERY WAYNE

Agent(s): MEYERTONS HOOD KIVLIN KOWERT AND GOETZEL PC; ERIC B

International class (IPC 8–9): A63G21/18 A63G31/00 A63H23/10 (Advanced/Invention); A63G21/18 (Advanced/Non–invention); A63G21/00 A63G31/00 (Core/Invention)

CPC: A63G3/02 A63G21/18 A63G27/00 A63G31/007 A63G31/16

European class: A63G21/18 A63G3/02 A63G31/00W A63G31/16 K63G27/00

US class: 472/117 472/117P 472/128 472/128S

Classification Explorer

Cited documents: WO9845006, WO9733668, WO9204087, WO9203201, WO07106717, WO07035524, WO07028043, WO07028042, WO07028040, WO07027841, WO07019278, WO06113936, WO06057970, WO05042124, WO0222227, WO0222226, WO0110184, USRE39171 E, USRE34407 E, USD421283 S1, USD416066 S1, USD413957 S1, USD407133 S1, USD406871 S1, USD403392 S1, USD330579 S1, USD269082 S1, USD229354 S1, USD204282 S1, USD190127 S1, US952673 A, US931863 A, US929972 A, US904848 A, US896940 A, US891388 A, US883441 A, US879283 A, US869432 A, US868736 A, US849970 A, US831149 A, US828689 A, US824436 A, US808487 A, US801945 A, US792422 A, US7857704 BB, US7850527 BB, US783425 A, US7828667 BB, US7815514 BB, US7811177 BB, US779464 A, US7785207 BB, US7780536 BB, US7775896 BB, US7775895 BB, US7775894 BB, US776936 A, US7766753 BB, US7762900 BB, US7762899 BB, US7758435 BB, US7752815 BB, US774917 A, US774274 A, US774209 A, US7740542 BB, US7727077 BB, US764675 A, US762566 A, US760503 A, US7597630 BB, US757286 A, US754698 A, US753449 A, US753311 A, US7497784 BB, US7491128 BB, US744880 A, US7445550 BB, US743968 A, US741964 A, US7401786 BB, US7371183 BB, US7371182 BB, US7370208 BB, US728894 A, US7285053 BB, US728303 A, US7278028 BA, US7263805 BB, US724757 A, US724040 A, US7229359 BB, US7218231 BB, US720014 A, US7179173 BB, US714717 A, US7040994 BB, US7029400 BB, US7004847 BB, US697891 A, US6976434 BB, US697202 A, US6957662 BB, US6928670 BB, US691353 A, US6898299 BA, US6896619 BB, US6896616 BB, US6892182 BA, US689114 A, US6890260 BB, US6851607 BB, US6848994 BA, US6843412 BA, US6832958 BB, US6830146 BA, US6825766 BB, US6814667 BB, US6811488 BB, US6811486 BA, US6796908 BB, US6796492 BA, US6789608 BA, US6786830 BB, US6786824 BB, US6776715 BB, US6773355 BA, US6761637 BB, US6758751 BB, US6758231 BA, US6755741 BA, US6747562 BB, US6743098 BB, US6738992 BB, US6729959 BA, US6729956 BB, US6722985 BB, US6716107 BB, US6712696 BB, US6708706 BA, US6702687 BA, US6699124 BB, US6678401 BB, US6676530 BB, US6663490 BB, US6663006 BB, US665765 A, US6651268 BA, US664179 A, US6634949 BA, US6634942 BB, US6629019 BB, US6608563 BB, US6605044 BB, US6604327 BA, US6601771 BB, US6595857 BB, US6579175 BB, US6569023 BA, US6561914 BB, US6558256 BA, US6554705 BA, US6553336 BA, US654980 A, US6547664 BB, US6547131 BA, US6540609 BA, US6539101 BA, US6533191 BA, US6527646 BA, US6526158 BA, US6520853 BB, US6513284 BA, US6511377 BA, US6508710 BA, US6503146 BB, US6491589 BA, US6488590 BB, US6485368 BB, US6475095 BA, US6475088 BA, US6474557 BB, US6471590 BB, US6463416 BA, US6460852 BA, US6460201 BA, US6443849 BA, US6424264 BA, US6413191 BA, US6409595 BA, US640439 A, US6384409 BA, US6375578 BA, US6371717 BA, US6362778 BB, US6354955 BA, US6347738 BA, US6340331 BA, US6336771 BA, US6320495 BA, US6319137 BA, US6302793 BA, US6285021 BA, US6283871 BA, US6280342 BA, US6280328 BA, US6280326 BA, US6276353 BA,

US6272695 BA, US6265977 BA, US6264202 BA, US6261186 BA, US6258037 BA, US6237499 BA, US6234900 BA, US6231451 BA, US6210287 BA, US6206782 BA, US6195851 BA, US6186902 BA, US6183362 BA, US6178692 BA, US6178692 B1, US6174242 B1, US6162127 A, US6161771 A, US6146282 A, US6139382 A, US6132318 A, US6132317 A, US6115974 A, US6113506 A, US6105527 A, US610548 A, US6089987 A, US6075442 A, US6045449 A, US604164 A, US6036603 A, US6019374 A, US6012832 A, US6006672 A, US5989126 A, US5978593 A, US5967901 A, US5950253 A, US5949044 A, US5927478 A, US5923364 A, US5911190 A, US5902983 A, US5899634 A, US5899633 A, US5872594 A, US5865680 A, US5864623 A, US5860766 A, US5860364 A, US5853332 A, US583121 A, US5820472 A, US5820471 A, US5816314 A, US5813952 A, US5809701 A, US5791254 A, US5785592 A, US5779553 A, US576704 A, US5766082 A, US5765314 A, US5761776 A, US5755749 A, US5741189 A, US5738590 A, US5735748 A, US5735742 A, US5732635 A, US5724768 A, US572426 A, US5716282 A, US5704294 A, US570016 A, US5698839 A, US5690582 A, US5685778 A, US5678956 A, US5667445 A, US5664910 A, US5662525 A, US566182 A, US5649867 A, US5628584 A, US5623986 A, US5615887 A, US5613443 A, US5581954 A, US5564984 A, US5564859 A, US555049 A, US5540622 A, US5536210 A, US552713 A, US5513470 A, US5503597 A, US5499821 A, US5494729 A, US548256 A, US5482510 A, US5480148 A, US5478281 A, US5473233 A, US5461876 A, US5453054 A, US5452678 A, US5439170 A, US5437463 A, US5433671 A, US5427574 A, US5426899 A, US5421782 A, US5421451 A, US540715 A, US5405294 A, US5403238 A, US5401117 A, US5393170 A, US5387158 A, US5378197 A, US536441 A, US5323307 A, US5320362 A, US5299964 A, US5271692 A, US5265802 A, US5265373 A, US5253864 A, US5236280 A, US5230662 A, US5224652 A, US5219315 A, US5213547 A, US5194048 A, US5183437 A, US5171101 A, US5167321 A, US5156195 A, US5152210 A, US5143107 A, US5137497 A, US5115908 A, US5092268 A, US5073082 A, US5069443 A, US5069387 A, US5033392 A, US5022588 A, US5020465 A, US5011161 A, US5011134 A, US4986784 A, US4984783 A, US4979679 A, US4963057 A, US4960275 A, US4954014 A, US4939358 A, US4910814 A, US4905987 A, US4876828 A, US485624 A, US4854256 A, US4850896 A, US4836521 A, US4817312 A, US4805897 A, US4805896 A, US4797605 A, US4797027 A, US4792260 A, US4783861 A, US4778430 A, US4759545 A, US4741388 A, US4696251 A, US4695058 A, US4683686 A, US4624618 A, US4576512 A, US4564190 A, US4558474 A, US4545583 A, US4545574 A, US4543886 A, US4516943 A, US4501434 A, US4484836 A, US4484739 A, US4429867 A, US4423864 A, US4392434 A, US4391201 A, US4376404 A, US435227 A, US4337704 A, US4305117 A, US4299171 A, US4278247 A, US4225953 A, US4221170 A, US4205785 A, US419860 A, US4198043 A, US4196900 A, US4194733 A, US4175361 A, US4149710 A, US4149469 A, US4147635 A, US4073722 A, US4063517 A, US4001899 A, US3956779 A, US3930450 A, US3923301 A, US3913332 A, US3890655 A, US3865041 A, US3861514 A, US3853067 A, US3838648 A, US3830161 A, US3827387 A, US3730520 A, US3690265 A, US3598402 A, US3534413 A, US3508405 A, US3473334 A, US3456943 A, US3404635 A, US3390640 A, US3340635 A, US3302413 A, US3116925 A, US3114333 A, US3113528 A, US3030895 A, US3011280 A, US3003430 A, US3000017 A, US2991726 A, US2888205 A, US2794191 A, US2738885 A, US2705144 A, US2484466 A, US2146631 A, US2064035 A, US2011014988 AA, US2008216427 AA, US2008021776 AA, US2008014835 AA, US2007249425 AA, US2007219004 AA, US2007197304 AA, US2007087854 AA, US2007087853 AA, US2007087852 AA, US2007087851 AA, US2007087850 AA, US2007087849 AA, US2007078016 AA, US2007066410 AA, US2007066396 AA, US2007060404 AA, US2007060403 AA, US2007060402 AA, US2007054745 AA, US2007051039 AA, US2007051038 AA, US2007051037 AA, US2007051036 AA, US2007049388 AA, US2007049387 AA, US2007049386 AA, US2007049385 AA, US2007033868 AA, US2007033867 AA, US2007033866 AA, US2006287030 AA, US2006260697 AA, US2006258471 AA, US2006229134 AA, US2006214805 AA, US2006178222 AA, US2006154726 AA, US2006142090 AA, US2006135274 AA, US2006111196 AA, US2006111195 AA, US2006052171 AA, US2005288111 AA, US2005286976 AA, US2005148398 AA, US2005143173 AA, US2005090322 AA, US2005090321 AA, US2005090320 AA, US2005090319 AA, US2005090318 AA, US2005085306 AA, US2005047869 AA, US2005034768 AA, US2004077423 AA, US2004033833 AA, US2003203760 AA, US2003139218 AA, US2003031547 AA, US2002180155 AA, US2002082097 AA, US2002072317 AA, US193516 A, US1926780 A, US1893167 A, US1859267 A, US1849226 A, US1783268 A, US1763976 A, US1648196 A, US1609922 A, US1607771 A, US1606854 A, US1606024 A, US1601483 A, US1591566 A, US1563855 A, US1551249 A, US1540635 A, US1520217 A, US1497754 A, US1448306 A, US1441126 A, US1440661 A, US1417570 A, US1399469 A, US1378635 A, US1320124 A, US1249455 A, US1230559 A, US1198749 A, US1195707 A, US1167993 A, US1159519 A, US1158295 A, US1124950 A, US1095965 A, US1063949 A, US1062838 A, US1056929 A, US1004174 A, EP1604712, DE893778, DE4243812 A1, DE4239303 A1, DE129145, BE543055,

Forward Citations: WO16146707, WO15191400, WO14075027, US9592454, US9492758, US9399178, US9387408, US9278292, US9260254, US9138653, US8727896, US8663023, US8282497, US8251832, US8210954, US8197352, US8162769, US8096892,

US8075413, US8070615, US7942752, US7921601, US7857704, US2017043264, US2015217200, US2015133229, US2015114802, US2014370978, US2014135137, US2012115555, US2007051038, CN105396292, CN105214314, CN105214314,

Abstract:
Source: US2010160054A A water transportation system and method are described, generally related to water amusement attractions and rides. Further, the disclosure generally relates to water–powered rides and to a system and method in which participants may be actively involved in a water attraction. This transportation system comprises at least two water stations and at least one water channel connecting at least two of the water stations for the purpose of conveying participants between at least two of the water stations. In addition, the water transportation system may include conveyor belt systems and water locks configured to convey participants from a first source of water to a second source of water which may or may not be at a different elevation.

28) Family number: 49120245 (US2011313498A) © PatBase

Title: DEVICES AND METHODS FOR VESTIBULAR AND/OR CRANIAL NERVE STIMULATION

Priority:

US20090287873P 20091218 US20100303984P 20100212 US20100304059P 20100212
US20100424474P 20101217 US20100424132P 20101217 US20100424326P 20101217
US20100970347 20101216 US20100970312 20101216 US20110497761P 20110616
US20110498096P 20110617 US20110498131P 20110617 US20110498080P 20110617
US20110498911P 20110620 US20110498943P 20110620 WO2010US60764 20101216
US20120525817 20120618 US20120525765 20120618 US20110994276 20111216
US20110990912 20111216 US20110990622 20111216 US20110990274 20111216
US20130913595 20130610 US20110994266 20111216 US20130099059 20131206
US20150847580 20150908 US20130990912 20130724 US20160069552 20160314
US20140994266 20140515 US20160379612 20161215 US20130994276 20130725
WO2010US60771 20101216 WO2011US65396 20111216 WO2011US65456 20111216
WO2011US65338 20111216 WO2011US65328 20111216 WO2011US65321 20111216

Family:

Publication number	Publication date	Application number	Application date
AU2011343564 AA	20120621	AU20110343564	20111216
AU2011343564 BB	20160929	AU20110343564	20111216
AU2011343589 AA	20120621	AU20110343589	20111216
AU2011343589 BB	20170223	AU20110343589	20111216
CA2821260 AA	20130611	CA20112821260	20111216
CA2821262 AA	20130611	CA20112821262	20111216
EP2651352 A1	20131023	EP20110849644	20111216
EP2651352 A4	20170503	EP20110849644	20111216
EP2651364 A1	20131023	EP20110849125	20111216
EP2651364 A4	20170503	EP20110849125	20111216
JP2014507964 T2	20140403	JP20130544811T	20111216
JP2014508553 T2	20140410	JP20130544820T	20111216
US2011313498 AA	20111222	US20100970312	20101216
US2011313499 AA	20111222	US20100970347	20101216
US2012316624 AA	20121213	US20120525765	20120618
US2012316625 AA	20121213	US20120525817	20120618
US2013296987 AA	20131107	US20110994276	20111216
US2013304165 AA	20131114	US20110990912	20111216
US2013310907 AA	20131121	US20110990622	20111216
US2013317576 AA	20131128	US20110990274	20111216
US2014088671 AA	20140327	US20130913595	20130610
US2014243941 AA	20140828	US20110994266	20111216
US2014309718 AA	20141016	US20130099059	20131206
US2015374538 AA	20151231	US20150847580	20150908
US2016346117 AA	20161201	US20160069552	20160314
US2017135854 AA	20170518	US20160379612	20161215
US8460356 BB	20130611	US20100970312	20101216
US8603152 BB	20131210	US20100970347	20101216
US9168170 BB	20151027	US20120525765	20120618
US9168171 BB	20151027	US20110990912	20111216
US9283111 BB	20160315	US20110994266	20111216
US9314371 BB	20160419	US20120525817	20120618
US9526653 BB	20161227	US20110994276	20111216
US9532900 BB	20170103	US20120525765	20120618

US9655772 BB	20170523	US20120525817	20120618	
WO11075573 A1	20110623	WO2010US60764	20101216	
WO11075574 A1	20110623	WO2010US60771	20101216	
WO12083098 A1	20120621	WO2011US65321	20111216	
WO12083102 A1	20120621	WO2011US65328	20111216	
WO12083106 A1	20120621	WO2011US65338	20111216	
WO12083126 A1	20120621	WO2011US65396	20111216	
WO12083151 A1	20120621	WO2011US65456	20111216	

Probable Assignee: SCION NEUROSTIM LLC

Assignee(s):(std)**:** BLACK ROBERT D ; ROGERS LESCO L ; SCION NEURO STIM LLC ; SCION NEUROSLIM LLC ; SCION NEUROSTIM LLC ; SMITH LANTY L

Inventor(s):(std)**:** BLACK ROBERT D ; ROGERS LESCO L ; SMITH LANTY L

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; WIREN ANDERS; MYERS BIGEL SIBLEY AND SAJOVEC PA; MYERS BIGEL PA; MYERS BIGEL AND SIBLEY PA; MYERS BIGEL SIBLEY AND SAJOVEC P A; KELLEY LAURA M; RUCKER ADAM L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B1/00 A61B18/18 A61B5/0476 A61F11/00 A61F7/00 A61F7/02 A61F7/12 A61H39/06 A61N1/05 A61N1/08 A61N1/36 A61N2/00 A61N7/00 (Advanced/Invention); A61B18/00 A61F7/02 A61N1/36 A61N2/00 (Advanced/Non–invention)

CPC: A61B2018/00875 A61F2007/0095 A61F7/12 A61F7/007 A61F2007/0295 A61F2007/0005 A61F2007/0296 A61N1/0456 A61N2/002 A61N2/006 A61F2007/0075 A61F2007/0093 A61F2007/0096 A61F2007/0261 A61K31/00 A61N1/36036

European class: A61F7/00E A61F7/12 K61B18/00H12R K61F7/00A2C K61F7/00E2 K61F7/00P K61F7/00T K61F7/00T1 K61F7/02T2

US class: 1/1 607/105 607/112 607/112P 607/113 607/113P 607/99

Classification Explorer

Cited documents: WO12083126 A1, WO11075573 A1, WO10029536 A2, WO09020862 A2, WO07051911 A1, WO06079484 A1, WO05074463 A2, WO02064069 A2, WO0066215 A1, US8460356 BB, US8083786 BB, US7856275 BA, US7761168 BB, US7234735 BB, US7189252 BB, US7164077 BB, US7082772 BB, US6981381 BA, US6921195 BB, US6909917 BB, US6882881 BA, US6875196 BB, US6817191 BB, US6755026 BB, US6746474 BB, US6511437 BA, US6334311 BA, US6314324 BA, US6300150 BA, US6165173 A, US6143975 A, US6094918 A, US6055815 A, US6017337 A, US5871526 A, US5837929 A, US5762612 A, US5746702 A, US5419780 A, US5376184 A, US5367890 A, US5298692 A, US5215086 A, US5190539 A, US5097828 A, US4918757 A, US4860748 A, US4449528 A, US4244377 A, US4117881 A, US2012310313 AA, US2012078337 AA, US2011313499 AA, US2011313498 AA, US2010211142 AA, US2010198318 AA, US2010198282 AA, US2010198204 AA, US2010030131 AA, US2009182399 AA, US2009082831 AA, US2008264464 AA, US2008182399 AA, US2008168775 AA, US2008154334 AA, US2008097549 AA, US2008087316 AA, US2008015667 AA, US2007265524 AA, US2007250119 AA, US2007226890 AA, US2007225781 AA, US2007215194 AA, US2007203539 AA, US2007198063 AA, US2007167985 AA, US2007135880 AA, US2007089773 AA, US2007087780 AA, US2007083097 AA, US2007028956 AA, US2006293732 AA, US2006289052 AA, US2006289050 AA, US2006095088 AA, US2006086118 AA, US2006082971 AA, US2005203505 AA, US2005165460 AA, US2005145273 AA, US2005107682 AA, US2004181269 AA, US2004102525 AA, US2003195588 AA, US2003158589 AA, US2003101006 AA, US2003099279 AA, US2003097845 AA, US2002121094 AA, US2002104318 AA, US2002072781 AA, JP9285468 A2, JP8195997 A2, JP2012501784 T2, JP2010535542 T2, JP2007144057 A2, JP2006102258 A2, JP2003180847 A2, JP2002123456 A2, DE10065592 A1,

Forward Citations: WO17040741, WO15134394, WO14108626, WO14059454, WO14009837, WO13128293, WO13128293, USD691119, US9731125, US9693725, US9655772, US9532900, US9526653, US9364683, US9314371, US9283384, US9283111, US9180272,

US9168171, US9168170, US8790383, US8696724, US8603152, US8465531, US2017026732, US2016045733, US2015320591, US2015306373, US2015223971, US2015109429, US2015105706, US2015000678, US2014249608, US2014067009, US2013225914, US2013123889, US2012253427, US2012059362, US2011245902, US2010198282, JP2014076159, FR3000891, EP2981320, EP2651364, EP2651364, EP2651352, EP2651352, CN104427959,

Abstract:
Source: US2011313498A An in−ear stimulator for administering thermal stimulation to the ear canal of a subject includes (a) an earpiece configured to be insertable into the ear canal of said subject, the earpiece having an outer surface and an internal cavity formed therein, the internal cavity having an inner surface; and (b) at least one thermoelectric device thermally coupled to the earpiece internal cavity inner surface.

0) FR2960247B – APPAREIL D'AIDE A LA MONTEE ET A LA DESCENTE D'...

29) Family number: 49984521 (FR2960247B) © PatBase

Title: APPAREIL D'AIDE A LA MONTEE ET A LA DESCENTE D'UN ESCALIER

Priority: FR20100053895 20100519

Family:

Publication number	Publication date	Application number	Application date
FR2960247 A1	20111125	FR20100053895	20100519
FR2960247 B1	20120622	FR20100053895	20100519

Probable Assignee: DUMELIE GUY

Assignee(s):(std)**:** DUMELIE GUY

Assignee(s): GUY DUMELIE

Inventor(s):(std)**:** DUMELIE GUY

Inventor(s): GUY DUMELIE

Agent(s): CABINET CHAILLOT

International class (IPC 8–9)**:** E04F11/18 (Advanced/Invention)

CPC: E04F11/1863

European class: E04F11/18J

Classification Explorer

Cited documents: WO02057568 A1, JP2004270303 A2,

Abstract:
The device (1) has lateral blocking elements fixed on sides of a staircase and formed of individual cleats (4) that are arranged on sides and made of light and resistant material. Each cleat is associated to a step of the staircase. The cleat comprises a stop surface turned upward when the cleat is fixed to the staircase to support a grip bar (3). A support unit includes a guiding rail (2) parallely extended to a slope of the staircase and defines a guiding path for an end of the bar so as to allow a user to slide the bar in the rail during ascending and descending the staircase.

0) US2012035497A – SYSTEM, DEVICE AND METHOD FOR ASSESSING TACTILE...

30) Family number: 50625385 (US2012035497A) © PatBase

Title: SYSTEM, DEVICE AND METHOD FOR ASSESSING TACTILE SENSORY DEFICIT

Priority: US20080030763 20080213

Family:

Publication number	Publication date	Application number	Application date
US2012035497 AA	20120209	US20080030763	20080213
US8133189 BB	20120313	US20080030763	20080213

Probable Assignee: KENNEDY DANIEL LM

Assignee(s):(std)**:** KENNEDY DANIEL L M ; KENNEDY WILLIAM R

Assignee(s): KENNEDY DANIEL LM

Inventor(s):(std)**:** KENNEDY WILLIAM R

Agent(s): SCHWEGMAN LUNDBERG WOESSNER PA

International class (IPC 8–9): A61B19/00 (Advanced/Invention)

CPC: A61B5/4827

European class: A61B5/48E2

US class: 600/557 600/557P

Classification Explorer

Cited documents: US6267733 BA, US5011413 A, US4250891 A,

Abstract:
Source: US2012035497A Various device embodiments comprise a substrate with a smooth surface, and a plurality of objects on the smooth surface. Each of the plurality of objects have a predetermined dimension capable of being sensed by a healthy person with a normal tactile sensory ability. Each of the plurality of objects have a different, predetermined dimension corresponding to distinct levels of tactile sensory ability.

0) DE202012100584U1 – RAEUMSCHIEBERENTMISTUNGSANLAGE FUER TIERSTAELLE...

31) Family number: 51098693 (DE202012100584U1) © PatBase

Title: Raeumschieberentmistungsanlage fuer Tierstaelle

Priority: DE201220100584U 20120222

Family:

Publication number	Publication date	Application number	Application date
DE202012100584 U1	20120516	DE201220100584U	20120222

Probable Assignee: DURAEUMAT STALLTECHNIK GMBH

Assignee(s):(std)**:** DURAEUMAT STALLTECHNIK GMBH

International class(IPC 8–9)**:** A01K1/02 (Advanced/Invention)

CPC: A01K1/0132

European class: A01K1/01D

Classification Explorer

Cited documents: DE202009012718 U1

Abstract:
Source: DE202012100584U1 Raeumschieberentmistungsanlage fuer Tierstaelle, insbesondere zum Reinigen von Stallboeden in Rinderlaufstaellen von Kot, Harn, Einstreu– und/oder Futterresten, mit einem Faltschieber, bei dem ein Schiebermittelstueck (3) mit einem Zugmittel, insbesondere einem gespannten Seil oder einer gespannten Kette, ueber einen Laufflaechengang (1) in einer geoeffneten Stellung von einem ersten Ende zu einem zweiten Ende und in einer geschlossenen Stellung von dem zweiten Ende zu dem ersten Ende hin– und her bewegbar ist, wobei an beiden Seiten des Schiebermittelstueckes (3) jeweils ein Schieberarm (4) an einem Schwenkpunkt gelagert ist, wobei das Schiebermittelstueck (3) in Laengsrichtung bewegbar gefuehrt ist, dadurch gekennzeichnet, dass im Bereich des ersten Endes des Laufflaechenganges (1) eine oeffnungsvorrichtung am Boden vorgesehen ist, wobei die oeffnungsvorrichtung in der Draufsicht auf den Laufflaechengang (1) eine Kulissenfuehrung aufweist, die zwei sich in Richtung vom zweiten zum ersten Ende hin in Richtung zu den Seiten des Laufflaechengangs (1) verlaufende, ihren Abstand voneinander...

Machine translation: Raeumschieberentmistungsanlage for Tierstaelle, in particular for cleaning Stallboeden in Rinderlaufstaellen of feces, urine, litter and / or food residues, with a folding slide, in which a Schiebermittelstueck (3) with a traction means, in particular a tensioned rope or a loose chain, over a Laufflaechengang (1) in an open position from a first end to a second end and a closed position from the second end to said first end is movable back and forth, wherein at both sides of the Schiebermittelstueckes (3) each have a pusher arm (4) is mounted at a pivot point, wherein the Schiebermittelstueck (3) movably guided in Laengsrichtung, characterized in that provided in the region of the first end of the Laufflaechenganges (1) an opening device on the ground, wherein the opening device in plan view the Laufflaechengang (1) a Kulissenfuehrung comprising two in the direction from the second to first end toward the sides of the Laufflaechengangs (1) extending, their distance from each other...

0) ES1077159U – LANZADERA AEREA PARA PERSONAS CON MOVILIDAD RED...

32) Family number: 51294730 (ES1077159U) © PatBase

Title: Lanzadera aerea para personas con movilidad reducida Aerial shuttle for disabled (Machine translation)

Priority: ES20120000477U 20120521

Family:

Publication number	Publication date	Application number	Application date
ES1077159 UA	20120611	ES20120000477U	20120521
ES1077159 Y1	20120907	ES20120000477U	20120521

Probable Assignee: UNIV MIGUEL HERNANDEZ

Assignee(s):(std)**:** UNIV ALICANTE ; UNIV MIGUEL HERNANDEZ

Assignee(s): UNIVERSIDAD DE ALICANTE ; UNIVERSIDAD MIGUEL HERNANDEZ

Inventor(s):(std)**:** ALONSO SERRANO JOSE LUIS ; CAUS PERTEGAZ NURIA ; MOLLA CANDELA MARIA ; TORTOSA MARTINEZ JUAN

Inventor(s): NURIA CAUS PERTEGAZ ; JOSE LUIS ALONSO SERRANO ; JUAN TORTOSA MARTINEZ ; MARIA MOLLA CANDELA

International class (IPC 8–9): A63B69/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1077159U 1. Lanzadera aerea para personas con movilidad reducida que comprende una estructura formada por los elementos:– Base de la lanzadera.– Soporte de la lanzadera.– Base giratoria.– Soporte vertical.– Cajon cerrado.Y un mecanizado electronico formado por los elementos:– Motor.– Al menos cuatro elementos digitales tipo interruptores o pulsadores.– Controlador que gestione la informacion de entrada y salida.– Fuente de alimentacion.que permite hacer lanzamientos aereos de proyectiles variando la direccion de lanzamiento, la distancia de lanzamiento y la intensidad de lanzamiento.2. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base de la lanzadera comprende los siguientes elementos:– Pieza soporte.– Guia de desplazamiento.– Dos piezas a modo de topes.3. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte de la lanzadera comprende los siguientes elementos:– Plataforma rectangular.– Pieza en forma de "T" invertida.4. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base giratoria de la lanzadera comprende los siguientes elementos:– Pieza en forma de cruz. Pieza en forma de seta.5. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte vertical comprende los siguientes elementos:– Pieza rectangular delantera.– Dos piezas laterales en forma de trapecio.– Pieza rectangular trasera.6. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el cajon cerrado comprende los siguientes elementos:– Pieza en forma de paleta.– Dos piezas iguales en los laterales.– Pieza en forma de cuna en la parte superior.– Pieza en la parte inferior.

Machine translation: 1. Aerial shuttle for disabled guests comprising a structure formed by the elements: – Base of the shuttle. – Support of the shuttle. – Swivel base. – Support vertical. – Cajon cerrado.Y electronic machining comprising the elements: – Motor. – At least four elements type digital switches or buttons. – Controller to manage the input and output information. – Power alimentacion.que allows aerial missile launches by varying the direction of launch, the launch distance and intensity of lanzamiento.2. Aerial shuttle for disabled according to claim 1, wherein the base of the shuttle comprises the following elements: – part support. – Travel Guide. – Two pieces topes.3 mode. Aerial shuttle for disabled according to claim 1, wherein the support of the shuttle comprises the following elements: – rectangular platform. – Part in a "T" invertida.4. Aerial shuttle for disabled according to claim 1, wherein the swivel base of the shuttle comprises the following elements: – part in a cross. Seta.5 shaped piece. Aerial shuttle for disabled according to claim 1, wherein the vertical support includes the following elements: – rectangular front part. – Two side pieces in the form of a trapezoid. – Part rectangular trasera.6. Aerial shuttle for disabled according to claim 1, wherein the closed drawer comprises the following elements: – paddle–shaped part. – Two equal parts on the sides. – Cradle–shaped piece at the top. – Piece the bottom.

0) US2013047120A – SYSTEMS AND METHODS FOR PROVIDING INFORMATION P...

33) Family number: 53083213 (US2013047120A) © PatBase

Title: SYSTEMS AND METHODS FOR PROVIDING INFORMATION PERTAINING TO PHYSICAL INFRASTRUCTURE OF A BUILDING OR PROPERTY

Priority: US20110213152 20110819 US20130833661 20130315

Family:

Publication number	Publication date	Application number	Application date
US2013047120 AA	20130221	US20110213152	20110819
US2013205257 AA	20130808	US20130833661	20130315
US8434029 BB	20130430	US20110213152	20110819
US9632671 BB	20170425	US20130833661	20130315

Probable Assignee: ALBRIGHT HOLDINGS INC

Assignee(s):(std)**:** ALBRIGHT HOLDINGS INC ; ALBRIGHT INSIGHTS INC ; ALBRIGHT JAMES

Inventor(s):(std)**:** ALBRIGHT JAMES ; ALBRIGHT JAMES R

Agent(s): BARNES AND THORNBURG LLP; FRANK M

International class (IPC 8–9)**:** G01C21/20 G06F17/00 G06F3/00 G06F3/048 G06F3/0484 H04M1/725 H04W4/04 (Advanced/Invention)

CPC: G06F3/04842 G01C21/206 H04M1/72572 H04W4/043

US class: 701/409 715/810 715/854 715/865

Classification Explorer

Cited documents: US8239130 BA, US8010906 BA, US7634737 BB, US7197514 BB, US7044372 BB, US6915204 BA, US6907300 BB, US6529911 BA, US5386360 A, US2012066215 AA, US2011276634 AA, US2011238291 AA, US2011088000 AA, US2010125478 AA, US2010080163 AA, US2010036599 AA, US2009100070 AA, US2008313543 AA, US2008276169 AA, US2006120607 AA, US2004103431 AA, US2003140571 AA, US2003097240 AA, US2003033079 AA, US2002116121 AA, US2002010522 AA,

Forward Citations: WO17071075, WO15131963, US9672006, US9619124, US9600544, US9529925, US9465816, US9417777, US9355552, US9292583, US9134886, US8723666, US2016069991, US2015149085, US2015020008, US2014365980, US2014365976, US2014365891, US2014223360, US2013139448,

Abstract:
Source: US2013047120A A computer implemented system and method for displaying information pertaining to physical infrastructure in a building or on a property via a mobile software application operating or a mobile device are provided. The mobile software application includes steps of (a) optionally displaying a list of selectable buildings and/or areas at a property, (b) optionally displaying a list of selectable floors if a building having multiple floors is selected, (c) displaying a list of points of interest for the selected floor, building or area, and (d) displaying a floor plan or area map with selected points of interest highlighted.

0) FR2982497A – APPAREIL DE REMISE EN FORME OU DE DETENTE COMPO...

34) Family number: 53783960 (FR2982497A) © PatBase

Title: APPAREIL DE REMISE EN FORME OU DE DETENTE COMPORTANT UN DISPOSITIF D'ASSISTANCE FITNESS AND/OR RELAXATION EQUIPMENT E.G. BICYCLE, FOR USE IN PARK EQUIPMENT, HAS VOICE GUIDANCE AND/OR VISUAL DEVICE FOR BROADCASTING VOICE AND/OR VISUAL MESSAGE TO GUIDE PERSON DURING PRACTICE OF PHYSICAL EXERCISE OR RELAXATION TECHNIQUES

Priority: FR20110060453 20111116

Family:

Publication number	Publication date	Application number	Application date
FR2982497 A1	20130517	FR20110060453	20111116

Probable Assignee: REHCA

Assignee(s):(std)**:** REHCA

Inventor(s):(std)**:** CORCHERO RICHARD

Inventor(s): RICHARD CORCHERO

Agent(s): API CONSEIL

International class (IPC 8–9): A63B24/00 (Advanced/Invention)

CPC: A63B71/0622 A63B24/0087 A63B71/0009 A63B2071/063 A63B2220/80 A63B2220/803 A63B2225/105

Classification Explorer

Cited documents: WO09040948 A1, WO09024827 A1, WO07081607 A2, US2008146329 AA,

Abstract:
Source: FR2982497A L'invention se rapporte a un appareil de remise en forme ou de detente. Cet appareil (200) comprend un dispositif d'assistance vocale et/ou visuelle (100) destine a diffuser un message vocal et/ou visuel pour guider une personne dans la pratique d'un exercice physique ou de detente. The equipment (200) has a voice guidance and/or visual device (100) for broadcasting a voice and/or visual message to guide a person during practice of physical exercise or relaxation techniques. An integrated circuit includes a memorizing unit and a reception unit that is arranged with a control module (110) i.e. push–button. The control module sends a control signal to the integrated circuit for controlling diffusion of text message. An independent claim is also included for a park equipment.

35) Family number: 56546126 (US2014148872A) © PatBase

Title: WEARABLE TRANSDERMAL ELECTRICAL STIMULATION DEVICES AND METHODS OF USING THEM

Priority:
US20120729851P 20121126 US20130091121 20131126 US20130765795P 20130217
US20130767945P 20130222 US20130770479P 20130228 US20130841308P 20130629
US20130845845P 20130712 US20130875424P 20130909 US20130900880P 20131106
US20130875891P 20130910 US20130888910P 20131009 US20130907394P 20131122
US20130875981P 20130910 US20140002860P 20140525 US20140002909P 20140525
US20140002910P 20140525 US20140975118P 20140404 US20140320461 20140630
US20140320443 20140630 US20140558604 20141202 US20140076459P 20141106
US20140945135P 20140227 US20150099960P 20150105 US20140994860P 20140517
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US20150099977P 20150105 US20140508490F 20141106 US20140769727 20140224
US20150639015 20150304 WO2014US18061 20140224 US20150634551 20150227
US20150715476 20150518 US20150100029P 20150105 US20150715483 20150518
US20150634661 20150227 US20150715461 20150518 US20150100022P 20150105
US20150634664 20150227 US20150513764F 20150105 US20150517629F 20150213
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WO2015US18090 20150227 WO2015US31424 20150518 WO2015US31350 20150518
US20170460138 20170315 US20160264224 20160913 US20160170878 20160601
US20160169445 20160531 US20160308845P 20160315 US20150100004P 20150105
US20150169522P 20150601 US20150169523P 20150601 US20150170111P 20150602
US20150268084P 20151216 US20150168615P 20150529 US20150190211P 20150708
US20150200256P 20150803 US20150213949P 20150903 WO2015US31966 20150521
WO2016US12128 20160105

Family:

Publication number	Publication date	Application number	Application date
AU2014218626 AA	20140828	AU20140218626	20140224
AU2014218626 BB	20170511	AU20140218626	20140224
CA2901310 AA	20150813	CA20142901310	20140224
CA2973090 AA	20170705	CA20162973090	20160105
CN103830841 A	20140604	CN201310612946	20131126
CN105148395 A	20151216	CN201510272376	20150525
CN105229995 A	20160106	CN201480022674	20140224
CN105457158 A	20160406	CN201510272116	20150525
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Probable Assignee: THYNC GLOBAL INC

Assignee(s):(std)**:** AVEN LINH M ; BOASSO ALYSSA M ; CEREVAST MEDICAL INC ; GOLDWASSER ISY ; GRADWOHL RAYMOND L ; COOK STEVEN ; CHARLESWORTH JONATHAN ; DEMERS REMI ; EGNAL JASON ; HAIYIN EQUITY INVEST FUND L P ; SATO TOMOKAZU ; LAMB PHILIP ; OPITZ ALEXANDER ; PAL SUMON K ; THYNC INC ; NEUROTREK INC ; LAW WING ; JEFFERY DOUGLAS ; THAKUR ANIL ; HAMLIN JAY FREDERICK ; THYNC GLOBAL INC ; WETMORE DANIEL Z ; VOSS CHRISTOPHER ; TYLER WILLIAM J ; THYNE GLOBAL INC ; SILVA RHONDA S ; MORTIMORE HAILEY M

Assignee(s): PIERSIAK RAFAL ; ABC THY LLC ; HAIYIN EQUITY INVESTMENT FUND LP ; MORENSTEIN CRONAN LLC D B A BRANCH

Inventor(s):(std)**:** ALEXANDER OPITZ ; ALEXANDRE FLORENT OLIVIER ; AVEN LINH M ; BOASSO ALYSSA M ; CHALRESWORTH JONATHAN ; CHARLESWORTH JONATHAN ; CHRISTOPHER VOSS ; COOK STEVEN ; DANIEL Z WETMORE ; DANIEL Z WETMORE Z ; DEMERS REMI ; DOUGLAS JEFFERY ; EGNAL JASON ; GOLDWASSER ISY ; GRADWOHL RAYMOND L ; HAMLIN JAY ; HAMLIN JAY FREDERICK ; HIBMACRONAN CHRISTOPHER N ; ISY GOLDWASSER ; JAY FREDERICK HAMLIN ; JAY HAMLIN ; JEFFERY DOUGLAS ; JEFFREY DOUGLAS ; JONATHAN CHARLESWORTH ; LAMB PHILIP ; LAW WING ; MALONE MATTHEW ; MORENSTEIN JOSHUA ; MORTIMORE HAILEY M ; OPITZ ALEXANDER ; PAL SUMON K ; PAL SUMON K K ; PHILIP LAMB ; RAYMOND L GRADWOHL ; REMI DEMERS ; SATO TOMOKAZU ; SILVA RHONDA S ; STEVEN COOK ; SUMON K PAL ; SUMON K PAL K ; THAKUR ANIL ; TOMOKAZU SATO ; TYLER WILLIAM J ; TYLER WILLIAM J J ; VOSS CHRISTOPHER ; WETMORE DANIEL Z ; WETMORE DANIEL Z Z ; WILLIAM J TYLER ; WILLIAM J TYLER J ; WING LAW

Inventor(s): PIERSIAK RAFAL

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; FETHERSTONHAUGH AND CO; PRICE NIGEL JOHN KING; JOESTINGMEIER MARTIN; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; SHAY GLENN LLP; SHOOP RICHARD D ET AL; SHOOP RICHARD D; SIDORIN YAKOV S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61M21/02 A61N1/00 A61N1/02 A61N1/04 A61N1/08 A61N1/18 A61N1/36 A61N1/37 A61N1/372 A61N7/00 H04L29/12 (Advanced/Invention);
A61N1/04 (Advanced/Non–invention);
A61N H04L (Subclass/Invention)

CPC: A61N7/00 A61N2007/0026 H04L61/2015 H04L61/6022 A61B5/0006 A61N2007/0078 A61B5/4058 A61N1/3727 A61N1/37217 A61N1/37252 A61N1/0404 A61N1/36082 A61N1/0476 A61N1/0484 A61N1/37247 A61N2/006 A61N2/02 A61N1/36014 A61N1/0456 A61N1/0492 A61B5/0402 A61B5/0476 A61B5/0488 A61N1/025 A61N1/08 A61M21/02 A61M2021/0072 A61M2230/06 A61M2230/08 A61M2230/42 A61M2230/63 A61M16/0688 A61M2230/10 A61M2230/60 A61M2230/65 A61N1/04 A61N1/36025 A61N1/048

US class: 1/1 601/2 607/139 607/2 607/3 607/45 D24/187

Locarno class: 24/01

Classification Explorer

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Forward Citations: WO17108058, WO17106878, WO17106539, WO17106411, WO17105930, WO17075359, WO17044542, WO17040741, WO16196635, WO16196635, WO16196454, WO16138176, WO16137926, WO16111974, WO16109851, WO16069689, WO16061130, WO16025085, WO15189435, WO15179281, USD787686, USD785186, US9713712, US9630005, US9517351, US9486618, US9474891, US9452287, US9440070, US9433785, US9399126, US9393430, US9393401, US9333334, US9265974, US9233244, US9014811, US9011355, US9002458, US2017004685, US2016367804, US2016263375, US2016129238, US2016074662, US2016074657, US2016046300, US2015288219, US2015251025, US2015251023, US2015202427, US2015112404, US2015088224, US2014316505, TWI591398, GB2534280, CN105769193, CN105126249, CN105126249, CN104305561, CN104305561,

Abstract:
Source: US2014148872A Described herein are devices, systems, and methods for transdermal electrical stimulation. Devices described herein can include self−contained, lightweight, and wearable components. The devices include a primary unit including a first transdermal electrode and a secondary unit including a second transdermal electrode. The device can be capable of wireless communication. The primary unit and secondary unit are placed at two locations on the skin of a user, for example on the head or neck of a user. The first and second transdermal electrodes are electrically connected. Electrical stimulation is driven between the two electrodes. The electrical stimulation induces a cognitive effect in a user of the device.

0) US2016162992A – SYSTEM AND METHOD FOR GENERATING A LIFE PLAN FO...

36) Family number: 62554282 (US2016162992A) © PatBase

Title: SYSTEM AND METHOD FOR GENERATING A LIFE PLAN FOR PEOPLE WITH DISABILITIES VIA A GLOBAL COMPUTER NETWORK

Priority: US20140563534 20141208

Family:

Publication number	Publication date	Application number	Application date
US2016162992 AA	20160609	US20140563534	20141208

Probable Assignee: ENGLAND WILLIAM

Assignee(s):(std)**:** ENGLAND WILLIAM

Inventor(s):(std)**:** ENGLAND WILLIAM

International class (IPC 8–9)**:** G06Q40/06 H04L29/08 (Advanced/Invention)

CPC: G06Q40/06 H04L67/306

US class: 705/36R

Classification Explorer

Abstract:
Source: US2016162992A Embodiments of the present invention generally relate to a computer–implemented system and method for generating a life plan via a global–computer network. In one embodiment, a computer–implemented method for generating a life plan via a global–computer network comprises receiving a request to create a user account from an entity, and creating the user account; receiving a request from the user account to create a common profile, the common profile associated with the disabled individual; generating the common profile and receiving a set of profile data from the user account, the set of profile data comprising information related to the disabled individual and associated with the common profile; and analyzing the common profile and generating a life plan based on the common profile, the life plan comprising data related to providing guidance to the entity to allow the disabled individual to lead a productive life.

0) US9460557B – SYSTEMS AND METHODS FOR FOOTWEAR FITTING

37) Family number: 63681435 (US9460557B) © PatBase

Title: SYSTEMS AND METHODS FOR FOOTWEAR FITTING

Priority: US20160062978 20160307 US20160245055 20160823

Family:

Publication number	Publication date	Application number	Application date
US9460557 BA	20161004	US20160062978	20160307
US9721384 BA	20170801	US20160245055	20160823

Probable Assignee: TRAN BAO

Assignee(s):(std)**:** TRAN BAO ; TRAN HA

Inventor(s):(std)**:** TRAN BAO ; TRAN HA

Agent(s): TRAN AND ASSOCIATES

International class (IPC 8–9)**:** A43B13/04 A43B13/18 A43B17/02 A43B17/14 A43B3/00 B29C67/00 G06T15/04 G06T15/20 G06T17/10 G06T17/20 (Advanced/Invention); B33Y10/00 B33Y30/00 B33Y50/02 B33Y80/00 (Advanced/Non–invention)

CPC: G06T2210/16 G06T2210/44 G06T2219/2021 G06T17/10 A43B3/0005 A43B13/04 A43B13/183 A43B17/02 A43B17/14 B29C67/0088 G06T15/205 G06T17/20 B33Y10/00 B33Y30/00 B33Y50/02 B33Y80/00 G06T19/20

US class: 1/1

Classification Explorer

Cited documents: WO15052706 A1, US8998652 BB, US8918938 BB, US8849620 BB, US8655053 BA, US8639226 BB, US8560371 BB, US8534549 BB, US8385638 BB, US8272147 BB, US8249941 BB, US8082597 BB, US7760852 BB, US7726206 BB, US7717858 BB, US7402265 BB, US7353137 BB, US7172714 BB, US6540687 BB, US6511435 BA, US6398998 BA, US6398992 BA, US6333985 BA, US6109921 A, US4880013 A, US3752147 A, US2016026926 AA, US2015363970 AA, US2015344944 AA, US2015302505 AA, US2015242929 AA, US2015228043 AA, US2015186419 AA, US2015161707 AA, US2014330579 AA, US2014316711 AA, US2014120319 AA, US2014032369 AA, US2013245391 AA, US2013131655 AA, US2013129210 AA, US2013110551 AA, US2012316985 AA, US2012246102 AA, US2012030061 AA, US2011138652 AA, US2011071410 AA, US2010293076 AA, US2010111370 AA, US2010030578 AA, US2009241376 AA, US2008275729 AA, US2008100916 AA, US2008005933 AA, US2007187855 AA, US2007163147 AA, US2007152379 AA, US2007118328 AA, US2005035477 AA, US2004225200 AA, US2004133431 AA, US2002195220 AA, US2001047246 AA, US2001007176 AA, EP2210532 A2, EP1847193 A1, EP0312821 A1,

Forward Citations: US2016125229,

Abstract:
Source: US9460557B Systems and methods are disclosed for best fitting a subject to a one of a plurality of object variations by capturing images of a user anatomical portion and a reference object from a plurality of angles using a mobile camera; creating a 3D model of the user anatomical portion from the images with dimensions based on dimensions of the reference object; and selecting a best–fit physical object from the plurality of object variations based on the 3D model.

0) WO17119805A2 – ULTRALIGHT, ECONOMICAL AND EASY–TO–HANDLE ELECT...

38) Family number: 66346338 (WO17119805A2) © PatBase

Title: ULTRALIGHT, ECONOMICAL AND EASY–TO–HANDLE ELECTRIC VEHICLE

Priority: MA20160038779 20160106

Family:

Publication number	Publication date	Application number	Application date
WO17119805 A2	20170713	WO2016MA00023	20161206

Probable Assignee: ABID MOHAMMED

Assignee(s):(std)**:** ABID MOHAMMED

Inventor(s):(std)**:** ABID MOHAMMED

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60L11/18 (Advanced/Invention)

CPC: B60L11/18 B60L2200/16 B62D61/00

Classification Explorer

Abstract:
The invention relates to an electric–propulsion locomotion and transport vehicle that is hybrid under certain conditions, characterised in that it has a cylindrical passenger compartment 1 received in and positioned on two drive wheels (Fig. A). The wheels 1 and 2 have an inside diameter sufficiently larger than that of the passenger compartment 1 for a series of dampers 7 to be inserted between the passenger compartment and the wheels. Main support rings 5 and 6 form the interface between the stationary passenger compartment and the rotating wheels. A mechanism consisting of an auxiliary wheel 34 mounted under a frame rigidly connected with the passenger compartment 1 prevents the latter from overturning in case of abrupt braking. Since each wheel 1 and 2 is driven by its own electric motor 16 or 17, this technique makes the vehicle extremely easy to handle, to such an extent that it is capable of parking or making a reverse turn in less than five seconds on a roadway that does not exceed one and a half times its width. This new concept–car can also partially charge its batteries simply by changing direction, which is now achieved without a steering wheel just by pressing buttons, through the recovery of a portion of its kinetic energy. The vehicle is characterised by a low power consumption as compared to the current state of the art, mainly because of the lightness of the vehicle and also because of the simplicity of transmitting mechanical power to the wheels. The vehicle is characterised by its cylindrical architecture that obviates the use of many components. Together, all these concepts are advantageous in providing the vehicle with an autonomy which far exceeds that of current cars. The vehicle is characterised by its design, in particular its smooth and planar, optionally corrugated, outer shape, whereby it can be uniformly covered with a large surface area of photovoltaic cells. The essential idea of the cylindrical passenger compartment provides for numerous possible variations corresponding to a large number of functions according to the intended use of the vehicle (Fig. C and D). The modular vehicle can be sold as a half–kit, depending on the method of use. The second aspect of the invention (Fig. E) relates to a new type of service stations exclusively intended for the production and sale of electricity from renewable sources for supplying electric vehicles with completely clean energy, such that human beings may live in sustainable development conditions and also fight against global warming. These stations are built according to a new architectural model that generates wealth while leading to substantial savings in terms of finance and materials and also creating numerous permanent job opportunities.

- **search:** SS4 sFT=(ramp and slid* and ball* and (container or storage or compartment) and angle* and adjust*) (Results 4287)
- List: SS4 1–25 (sFT=(ramp and slid* and ball* and (container or storage or compartment) and angle* and adjust*)) (Results 4287)

0) GB444033A – [CLASS 106 (I)] IN A MACHINE PROVIDED WITH A PL...

1) Family number: 18932310 (GB444033A) © PatBase

Title: [Class 106 (i)] In a machine provided with a plurality of totalizers and with a travelling paper carriage selection of a.....

Family:

Publication number	Publication date	Application number	Application date
GB444033 A	00000000		00000000

International class (IPC 1–7): G06C15/06

Abstract:
Source: GB444033A 444,033. Calculating–apparatus. NATANDERER–WERKE VORM. WINKL–HOFER and JAENICKE AKT.–GES., Sch÷nau, Chemnitz, Germany. Sept. 18, 1934, No. 26787. Convention date, Sept. 18, 1933. [Class 106 (i)] In a machine provided with a plurality of totalizers and with a travelling paper carriage selection of a totalizer is effected automatically under paper carriage control or manually by the setting of selector means and in such a manner that the selection by the manual set means renders the automatic control means inoperative. An electrical selector mechanism for nine totalizers is shown diagrammatically in Fig. 1. The mechanism comprises a bank of selector keys 1a... 1i, carriage controlled contacts 38a... 38i a set of solenoids 11a... 11i, and electrical circuits connected to supply leads 22, 23. A switch 24 closed at a determined time in the cycle of operation allows current to flow to a conductor 40 through one of the solenoids and either through the corresponding closed contacts 38, conductor 39, and switch 25 and switch 244 or through one of the contacts 2a... 2i of the selector keys and the return conductor 42, and switch 25, to the line '23. When a selector key is depressed the detent bar 41 is moved and the switch 25 is thrown over to a position other than that shown in Fig. 1 thereby disconnecting the conductor 39 and rendering the carriage contacts inoperative. In any particular carriage position a particular totalizer may be selected for additive items and another one for subtractive items. As shown in Fig. 1 the totalizers associated with the solenoids 11a... 11d are arranged in two groups by providing parallel connections 18ab, and 18cd. These groups are disconnected from the conductor 40 by switch connections 12a... 12d and the solenoids are connected by switches 14a... 14d to a change over switch 46 operated by a subtract lever 44. By closing the connections 12a...12d and opening the connections 14a... 14d, and 18ab, 18cd the group selection may be rendered inoperative. Key selection of the grouped totalizers is prevented by displacing the corresponding key contacts 2a... 2d. The other contacts may be rotated singly or as a whole to prevent key selection or the keys may be rendered inoperative by shifting the switch 244. Electrical connections. In a constructional form of apparatus wherein eighteen totalizers are mounted on a stationary drum the conductors leading from the key contacts and from the carriage contacts as shown in Figs. 2, 3, are mounted on rings 200, 201 of insulating material being connected to metal heels 202, 203 threaded on studs 206 attached to a carrier plate 207 of insulating material and are easily removable as a unit. The plate 207 and a distance annular insulating ring 214 carries the frames 213 of the solenoids, the coil windings being connected at one end to a common bus–bar 219 and individually connected at the other end to a terminal 221, the whole forming a removable unit. In order to select totalizers according to positive and negative amounts a switch, Figs. 19 and 20 is provided; the leads 13a... 13d from the contacts of switch 46 are connected to terminals 14a... 14d having leads 15a... 15d that are connected to other terminals 16a... 16d mounted on contact members 219a... 219d forming extensions of a bus – bar 219. The last mentioned contact members are each connected to one end of the winding of a solenoid the other end of the wire being attached to a terminal 221. In place of the bolts 206 longer bolts 382 are substituted which have connections to the rings 200, 201 that are connected by leads to the key and carriage contacts and carry in addition contact plates 17a... 17d. The terminals 14a... 14d and two plates 18ab, 18cd are mounted on a disc 387 of insulating material and provided with a sleeve 386 rotatably mounted on a bolt 385 secured to a fixed insulating plate 384. A disc 388 integral with the disc 387 carries the terminals 16a... 16d. A notch in the disc 387 cooperates with a pin 390 on the plate 384 to permit a limited rotation thereof. In the position shown in Fig. 20 the plates 18ab, 18cd form parallel connections to the solenoids lla... 11d in pairs. In the addition position of the switch 46 the solenoids 11b, 11d can be selected for positive amounts. Totalizer engaging mechanism. In one form of machine a fixed drum is shown provided with eighteen totalizers 50, Figs. 5, and 13 with shafts 51 carrying guide members 49 movable in radial slots in side plates 53, 54 the shafts being urged away from the centre by springs 55 to maintain the totalizer pinions 58 in engagement with aligning bails 59. The pinions 58 of each totalizer are moved into engagement with their differential actuating gear wheels 60 by means of a corresponding pair of arms 62, 63 on a spring controlled shaft 64 the arms having cam shaped ends engaging rollers 66 on the totalizer shaft 51. The actuator gears 60 alternate with transfer actuating wheels 61 and are loosely mounted on a sleeve 195, Fig. 8, secured to side plates 196, 197 and carried on a shaft the whole forming a removable unit. When a solenoid is energized to select the appropriate totalizer its armature displaces a spring controlled coupling pin 73 carried by the arms 62, 63 so as to project its end into the corresponding hole of an actuator plate 67, Fig. 7, rockable in timed relation with the actuator gears by means operatively connected to the main shaft of the machine. The main shaft is connected to one end of a thrust rod 76 the other end of which is pivoted to a disc 77 on a stud 78. During the first half of the cycle of operation in addition the disc 77 is rotated clockwise whereby a pin 90 passes by a notch 91 in a pawl 87 pivotally mounted on a slide plate 82. At the beginning of the return movement the pin bears in the notch and the slide plate is displaced to the right being held in its displaced position by a locking pawl 92 engaging a projection 99 on the plate. During this movement a roller 100 on the plate rocks a cam plate 101 which, through a double armed lever 103 and link 106, imparts an angular movement to the actuator plate

67. At the end of the return movement a hump 97 on the disc 77 releases the locking pawl 92 and the plate 82 returns to normal position under the control of a brake cylinder or dashpot 108. The cylinder 108 has a needle valve 109 the opening of which can be controlled to wholly or partly annul the braking effect. The drive of the differential actuators is obtained from the rack sectors 161 that mesh with the type bars 160; these type bars are connected at their lower ends by yielding means with racks 162 geared to the actuators. Transfer mechanism.−Each pinion 58 of the totalizer has a transfer tooth 166, Fig. 4, adapted to co−operate with corresponding teeth 167 of a transfer wheel 61. Each wheel 61 has a set of teeth 168, Fig. 5, thereon engaging similar teeth on the arm 169 of a three armed lever 170. At transfer when a wheel 61 is displaced the lever 170 is rocked against the action of a spring 173 and'the arm 171 is moved out of the path of a projection 181 on the rack 162 of next higher denomination so that an additional step movement is permitted by the yielding connection 163, 164. The lever 170 is held in its displaced position by a latch 176 which is adapted to be released, to allow the parts to return to normal position, by the operation of a flat sided shaft 180. This restoration is effected on the next succeeding cycle by a pin 152 on the disc 77, Fig. 7, rocking a lever 186 that is connected by a link 188 to an arm on the shaft 180. Non−add control. To prevent engagement of a totalizer during either half of the cycle of operation a stop roll 111, Fig. 7, on the paper carriage rocks a lever 112 and through a link 115 rotates a member 116 pin and slot connected to a link 120. When this link is moved it rocks a lever 122 and displaces a Jink 126 the end of which by engagement with a pin 129 on the pawl 87 moves the pawl to inoperative position so that the side plate 82 is not reciprocated. The member 116 is also connected by a link 156 to a non− add key (not shown). Total and sub−total taking mechanism. By depression a total key (not shown) a slide 135 is moved longitudinally to its fullest extent and a projection 140 thereon moves away from a pin on a pawl 132 pivoted on the plate 82 whereby the pawl is rotated about its pivot into the path of a pin 130 on the disc 77. At the same time a pin 143 on the slide 135 rocks the lever 122 to render the pawl 87 inoperative and by engagement with a pin 95 on the locking pawl 92 throws this pawl to inoperative position. When the disc 77 commences to rotate the pin 130 pushes the pawl 132 and plate 82 to the right to move the selected totalizer to engaged position; at the end of this forward movement the pin passes the pawl 132 and the plate 82 springs back to normal to disengage the totalizer. For this purpose the action of the brake device 108 is annulled by a lever 144 acting on the needle valve 109, the lever being rocked on displacement of the slide 135 by its forked end embracing a pin 145 on the slide. During the total taking operation the slide 135 is held in set position by a latch 146 engaging a projection 153. Normally the latch 146 is inoperative by reason of its connection with a lever 150 engaging a pin 152 on the disc 77 when in its normal position. In taking sub−totals depression of the subtotal key gives half the full displacement to the slide 135 and during the operation is held by the latch 146 co−operating with a projection 194. By this setting, the pawl 132 is rendered operative, the pin 143 is not moved sufficiently to rock the lever 122 so that the locking pawl 92 also remains in effective locking position, the lever 144 swings idly permitting the brake cylinder 108 to function. The totalizer thus remains in engaged position during the forward and b

0) GB686541A –

2) Family number: 19883275 (GB686541A) © PatBase

Family:	Publication number	Publication date	Application number	Application date
	GB686541 A	00000000		00000000

International class (IPC 1–7): G06C15/00

Forward Citations: US2904248,

Abstract:
Source: GB686541A 686,541. Calculating–apparatus. GRANGE, T. June 27, 1949 [June 28, 1948; Sept. 23, 1948], Nos. 16992/49 and 16993/49. Cla–ss 106 (i). A calculating–machine for the four rules comprises a frame, a keyboard incorporated with said frame for entering the numbers, a selection stop or set–bar controlled by each key of said keyboard, an ordinarly shiftable factor carriage movable transversely upon said frame, selection racks movable parallel to one another upon the carriage in a direction perpendicular to the plane in which the selection stops move, means for displacing each selection rack until it encounters a corresponding stop, a numbers drum driven by each selection rack, mechanism for advancing said carriage actuated upon depression of a key to displace the carriage for one decimal place, calculating racks longitudinally slidable upon the frame and engaging the corresponding selection racks, each calculating rack consisting of two opposed sets of teeth, a retaining rack carried by each calculating – rack, a counting–wheel located between said two sets of teeth of the calculating racks, adapted to engage either set of teeth to effect addition or subtraction and a tens carry–over mechanism operated by the counting–wheel. The machine has a ten–key keyboard, Figs. 1, 3 and 5, each key 4 having a stem 3 with an offset lug 5, Fig. 4, which upon depression of a key depresses an associated setbar 7. The set–bar 7 moves transversely relatively to the rods 11 which pass through slots 8 in the bar against the pressure of a spring 10, Fig. 3. The carriage 12, Figs. 1, 3 and 5, having sides 12^1, 12^2, Figs. 1 and 3, is transversely movable on bars 13 under the control of an escapement mechanism, described later, and supports longitudinally slidable selection racks 17, Figs. 1 and 5, urged to the right by springs 18 but normally held stationary by pawls 20, Fig. 5. Situated outside the set–bars 7, Figs. 3 and 7, is a pair of levers 27 which upon depression of a key 4 are moved downwardly by the depressed set–bar 7. A bar 28 carried by the levers 27 thereupon releases the first pawl 20 from the first rack 17 which is then moved by its spring 18 until arrested by a projection 9, Fig. 5, on the depressed set–bar 7. Upon release of the depressed key the pawl 20 locks the first rack 17 in its new position. The keys 4 may not be integral with the stems 3 but may act thereon through pivoted levers, Fig. 6 (not shown). Escapement mechanism. The downward movement of the levers 27, Fig. 7, is transmitted by a rod 31 to a bar 30 which effects downward movement of an escapement plate 33, Fig. 3. The plate 33 carries two pawls 36, 38 which co–operate with the teeth 37^1, 37^2, respectively of an escapement rack 37 to effect, in the usual way, step–by–step movement to the left of the carriage 12. An arm 46^3 of an L– shaped lever 46, Fig. 1, is attached to the carriage 12 and is urged clockwise about the pivot 46^2 so as to urge the carriage 12 to the left. An item indicator 48, Figs. 1 and 5, is operated by the racks 17. The totalizer actuating means comprises a group of double racks 58, 59, Fig. 5, each of which has an extension 62 having a guide slot 63 for a rod 64 attached to a corresponding pawl 65 urged to the left by a spring 65^2. The carriage 12 carries a cammed plate 69, Fig. 24, which depresses the pawls 65 associated with the racks 17 which have been set by depression of the keys. The depressed pawls 65 are engaged by a rake 72, Fig. 5, which is reciprocated each machine cycle. Each pair of racks 58, 59, co–operates with a totalizer actuator gear 80 which drives the corresponding totalizer wheel 84, Figs. 1 and 5, through a gear 83, Fig. 5. The shaft 85 of the totalizer 84 and the shaft 86 of the gears 80 are supported by a pair of levers 87, Figs. 1 and 15, arranged for vertical movement in guides 90, 91. Each lever 87 carries a roller 92 which rides in an adjacent cammed slot 93 in a reciprocable member 94 or 95. The members 94, 95 are interconnected for unitary movement. The slots 93 are so shaped as to effect raising or lowering from the normal neutral position of the levers 87 to engage the gears 80, Fig. 5, with the rack 58 or 59 for adding or subtracting, when the members 94, 95, Figs. 1 and 15, are moved rearwardly or forwardly. The member 95 carries two rollers 348, 349, Fig. 15, which engage respectively in one of two slots in the members 342, 343 longitudinally slidable on fixed rollers 340, 341 and urged to the right and left, respectively, by springs 344, 345 so that the members 94, 95 are urged to their neutral positions. The main shaft 150, Fig. 1, may be rotated manually or by a motor and during a revolution thereof a cam 191 effects forward or rearward movement of the members 94, 95 in dependence of the position of an intermediate member controlled by the operator. During a machine cycle a slide 147 carrying the rake 72 is reciprocated by an arm 148 on the main shaft 150. Addition. The first number is registered by operation of the appropriate keys 4, Fig. 5, to set up on the racks 17 and the item indicator 48, as described above. The appropriate pawls 65 are depressed by the plate 69 of the carriage 12 and the main shaft 150, Fig. 1, is given a revolution to reciprocate the member 147 and the rake 72, Fig. 5. The rake 72 in its travel to the right meets and carries along the depressed pawls 65 and their associated racks 58, 59 until the racks abut the parts 17^4 of the racks 17 which have been set. The cam 191 then moves the members 94, 95, Fig. 15, to the rear so raising the levers 87 and bringing the gears 80, Fig. 5, into mesh with the racks 58. During the return of the racks to the left the number is therefore entered into the totalizer 84. The racks 17 are then returned by a bail to their initial positions and the item counter 48 zeroized. The addend is then set on the racks 17 and the item counter 48 as before. The main shaft 150 is given a second revolution and the addend is entered into the totalizer 84 by the racks 58. Transfer mechanism. This comprises a group of reciprocable forks 103, Fig. 5, one for each but the last actuator rack 58, 59. Each fork has teeth 106, 107 which co–operate with respective transfer teeth 81, 82 of the adjacent gear 80. A pawl 110 pivoted to the fork 103 normally presses a

pawl 113 downwardly against the pressure of a spring 114. When a tooth 81, 82 of a gear 80 moves the adjacent fork 103 to the left the pawl 110 frees the pawl 113 to engage the projection 592 of the next higher rack 58, 59 so that on movement to the left of the pawl 113 by an associated pawl 115 actuated by a cam 120 on a shaft 121 controlled by the mechanism shown in Fig. 9 by a cam 190 on the main shaft 150, the said next higher rack 58, 59 is moved one step to the left. Subtraction. This is performed in similar manner to addition. The minuend is set up in the totalizer 84 as before. The intermediate mechanism, Fig. 16 (not shown), between the cam 191, Fig. 1, and the members 94, 95, Figs. 1 and 15, is then set by the operator so that the members 94, 95 are, in the succeeding machine cycle, moved to the right, Fig. 15, and the gears 80 brought into mesh with the racks 59. Multiplication and division. These operations are effected by repeated subtraction and multiplication by repeated addition. The revolutions counter or quotient indicator comprises a set of numeral wheels 241, Figs. 1 and 22, and associated ratchets 247. The member 147, Fig. 21; which is reciprocated every machine cycle, carries a ramp 275 which as the member 147 moves to the right meets a roller 268 and thereby moves a lever 266 to rock a lever 263 and move a cross−piece 258 and a finger 272 which is attached to the carriage 12 and which through linkage moves a pawl 251 which steps on the appropriate ratchet−wheel 247 and its numeral wheel 241. During an over−subtract cycle the highest order actuator rack 58, 59 is moved and through a linkage effects transverse movement of the cross−piece 258 so that the lever 263 on next rocking clockwise. Fig. 21, passes through a slot 262 in the cross−piece which therefore remains stationary and so the pawl 251 is not actuated. The numeral wheels 241 may be returned to zero by manuallyoperated means. The member 147, Fig. 1, carries a pawl 175, the position of which may be controlled by the operator so that during the end cycle of a multiplication when the member 147 moves rearwardly the pawl 175 meets the arm 461 of the lever 46 which is moved counterclockwise to return the carriage 12. The carriage shift during a multiplication is effected by movement of a rack 400, Fig. 3, which co−operates with a pawl 403 carried by the carriage 12. The machine may have as shown in Fig. 1 a second keyboard and associated actuators whereby the number of cycles made by the machine during a multiplication are automatically controlled. The keys 423−431 co−operate with actuators which are differentially set in accordance with the value of the associated key. A main switch for the driving motor is closed by the movement of an actuator which has teeth which are engaged by a pawl. During each cycle the pawl steps back the actuator until it is returned to its initial position.

0) GB289901A – TANNEN, R.

3) Family number: 18486233 (GB289901A) © PatBase

Title: Tannen, R.

Family:

Publication number	Publication date	Application number	Application date
GB289901 A	00000000		00000000

International class (IPC 1–7): G07B5/04

Abstract:
Source: GB289901A 289,901. Tannen, R., and Wallace, R. Nov. 2, 1926. Totalizators.–Electric key board–operated ticket issuing and registering apparatus is provided wherein the actuation of the ticket–issuing mechanism is brought about solely as a consequence of a movement of the registering device, to ensure that a ticket is not issued unless the registering device is actuated. The ticketissuing machine has two sets of keys 22, 23 for " Win " and " Place " bets respectively a crowding–lock being provided to prevent the depression of more than one key at once. Each key actuates a switch 30 to actuate a corresponding counter and indirectly to close the circuit of a motor 40 of the ticket issuing mechanism, and the key remains depressed by the engagement of a plate 92 with teeth 91. The motor 40 drives a shaft 43 through reduction gearing, means being provided to ensure that the shaft turns through one complete revolution when a key is depressed. A gear 45 on the shaft 43 drives a pinion 47 having a frictional connection with a shaft 48 on which is mounted a printing drum 52 whose sides correspond to the number of horses for which the machine is arranged. The drum is rotated until one of a number of radial projections 53 is stopped by an abutment 39 carried by the key lever, each prujection being wide enough to engage the stops of two adjacent keys 22, 23. A second printing roller 68 with flanges 82 for feeding a paper strip 56 is driven by a gear 65 meshing with a gear 46 on the shaft 43. The gear 45 carries a lever 61, one end of which engages a fixed guide plate 63, and the other engages a spoke of the gear 46 when it is forced in by the guide plate. By this means, the gear 46 rotates only during a third of the rotation of the shaft 43, after printing by the roller 52 has been effected. Associated with the roller 68 are printing– wheels 72, 73 and these are slidable relatively to the roller under the control of the keys to print " Win " or " Place " on the strip. Each key–lever engages one of the inclined faces 80, 81 of a strip 79 connected to the rollers 72, 73 to select the printing. Inking rollers 107 are provided, and printing is effected by a block 57 actuated by a cam 58 and by a roller 67, while a knife 103 actuated by levers 101 and cams 100 severs a ticket from the strip. In order to ensure that the shaft 43 does not make more than one revolution, a plate 121 lying on the key–levers and secured to a spindle 120 is engaged when a key is depressed to rock the spindle and to remove a plunger from the path of a cam 114 carried by the shaft. This allows the shaft to rotate, but when the key is released the plunger is lowered and engages a radial face of the cam to stop the shaft. Release is effected by a bar 88 on a spindle 87 engaging a lever 89 to release the plate 92. The bar also actuates a counter 95 for the number of tickets issued. The counting and indicating apparatus is operated by the closing of the switches 30, each switch energizing a solenoid 180, there being one solenoid for each indicating device. Associated with each solenoid is a constantly rotating disc 168, in which is pivoted a pin 169 carrying at its end a plate 173 and a ramp 171. When an armature 181 is shot out, it presses against the disc, and rides up the ramp 171, thereby causing itself to tilt about a pivot 181 to close contacts 185, and projecting the plate 173 outwards so that it engages a pin 156 on the units drum 154 of the indicator. A projection 178 engages an ear 177 on the plate 173 to restore it, and a pin 175 limits the movement of the plate. The contacts 185 complete the circuit of the motor 40, and the indicating apparatus must thus be operated before a ticket can be issued. The higher order indicators are provided with notches into one of which a spring arm on the units indicator is swept by a cam at each revolution. A spring member 161 engages recesses in the indicators to hold them set. Before the contacts 185 open, a contact strip 125 on the shaft 43 closes the circuit of the motor 40 to keep the motor running until the shaft has made a complete revolution. The discs 168 are mounted on a shaft 162 driven by a motor 164, and the shaft 162 drives a shaft 204 operating a total indicator. Each unit indicator 154 actuates a plate 187, connected by links 189, 192 and a lever 190 to a lever 193, to operate a shutter 195, thereby releasing a ball 198 from a shoot 197 for each unit to be made. The balls accumulate in a shoot 202 and fall one by one into pockets 206 in a disc 203 on the shaft 204. As the balls are carried round, they pass into the teeth of a wheel 208, rotating the wheel and driving the units drum 217 of the total indicator. The balls are removed from the pockets by a deflector 212, and run down a shoot 214 to the shoots 197. Where several ticket–issuing machines are employed, each disc 168 has associated with it a corresponding number of solenoids and plates 173.

0) GB233719A –

4) Family number: 18583224 (GB233719A) © PatBase

Family:	Publication number	Publication date	Application number	Application date
	GB233719 A	00000000		00000000

International class (IPC 8–9): C06F1/20 (Advanced/Invention); C06F1/00 (Core/Invention)

International class (IPC 1–7): C06F1/16

CPC: C06F1/20

European class: C06F1/20

Classification Explorer

Abstract:
Source: GB233719A Cutting–up. – In a match machine a blank of wood, cardboard, and c. corresponding to the breadth of a number of match strips is cut longitudinally and transversely so that the longitudinal cuts separating the individual sticks are staggered relatively by half the breadth of a stick and the cut forming the tips run transversely in zig–zag fashion so that the sticks engage one another by their tips. The zig–zag cut is preferably made so that the sticks of one strip thus formed are slightly longer than those of the other, so that when the strips are finally assembled in pairs with their uncut edges superposed the heads do not contact with one another. The blanks which have already been partially cut through by cuts 90, Fig. 3, and are in lengths of e.g. a metre, are laid in a receptacle 2, Fig. 8, over a stick pusher 3 which, when moved by a lever 6, transfers the lowest blank immediately below a knife carrier 4. A longitudinal cutter 80, Fig. 29, having a zig–zag edge makes a cut 93 and knives 35 held by intermediate plates 74 divide the blank into separate strips by cuts 91. The individual sticks are formed by shorter knives 78 held by intermediare plates 75 and connected by screws 96 in groups which are secured to the knife carrier by claws 77 and adjusted longitudinally by screws 82. In order to regulate the depth of a cut an eccentric bush 79 is arranged on the pivot of the knife carrier, and screws 81 are provided for the zig–zag knife 80.

0) GB158668A – IMPROVEMENTS IN APPARATUS FOR LOADING AND UNLOA...

5) Family number: 29574573 (GB158668A) © PatBase

Title: Improvements in apparatus for loading and unloading vehicles

Priority: GB19190027550 19191107

Family:

Publication number	Publication date	Application number	Application date
GB158668 A	19210207	GB19190027550	19191107

Probable Assignee: HENRY THOMAS RENDELL

Assignee(s):(std)**:** HENRY THOMAS RENDELL

International class (IPC 8–9): B60P1/64 (Advanced/Invention); B60P1/64 (Core/Invention)

CPC: B60P1/6427

European class: B60P1/64C1

Classification Explorer

Forward Citations: US3194419, US2974972,

Abstract:
Source: GB158668A 158,668. Rendell, H. T. Nov. 7, 1919. Vehicle fittings and attachments. – Motor–vehicles and their tender–vehicles are provided with means for the automatic alignment of the vehicles, or of rails on frames on the vehicles, to permit a demountable flat to be moved from one on to the other. As shown, the means on the motor–vehicle for aligning the rails c comprises a V–shaped flap d hinged on the end of the frame carrying the rails which contacts witha V–shaped recess in the end of a similar frame on the tender–vehicle, as the vehicles approach each other. The rails c together with the cross–members c<1> form frames which are pivoted on pins c<4>, and are carried on rollers b on the vehicles this permits alignment of the rails laterally. Short connecting portions of the rails are carried by the flaps d. An inclined part d' on the end of the tender–vehicle adjusts the flap vertically. Winches i are provided to facilitate hauling the flat from one vehicle to the other. In a modification, a platform is provided with aligning means similar to those on the tender–vehicle.

6) Family number: 39346931 (FI9104A)

© PatBase

Title: Till ett roterande totalsystem sammanfattade kraftelement, speciellt motorelement Till a rotating system sammanfattade total kraft element, interesting, particularly motor element (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
FI9104 A	19220718		00000000

Inventor(s):(std): NICOLAI GRIBOJEDOFF

Inventor(s): GRIBOJEDOFF NICOLAI

International class (IPC 8–9): F02B75/32 (Advanced/Invention); F02B75/32 (Core/Invention)

International class (IPC 1–7): F02B75/32

Classification Explorer

Abstract:
Source: FI9104A Sl Patenta ii ep r åk. 1/ Till ett roterande aye tera sammanfattade motor element, hvilka äro anon dnade uti ett gemenaumt rotationsplan salunda, att de "befinna sig på samma afstand från rotationsaxeln och från hva– randra, kännetecknade däraf, att brännmaterial, smörjolja och luft tillföras axiellt till hufvudaxeln och att de genom de en– skilda elementen (motorerna) alstrade drifkrafterna genom samtli– ga motoraxlar öfverföras på gemensamma, koaxiellt till hufvudaxeln anordnade mekanismer. 2/ Kraftsystem enligt anspråk 1/, känne te cknadt därigenom, att kontrollen öfver drifmedlens tillförsel försiggår genom has– tigheten för systemets delar, men att styrningen af arbetsperio– derna i motorelementen sker genom dessa själf. 3/ Kraftsystem enligt anspråk 1 och 2/, kännetecknadt därigenom, att alstringen af den elektriska tändenergin försiggår utgående från hufvudaxeln till ex. genom en ä denna sittande in– duktor, men tandningen själf regleras genom hvarje motorelement självständigt. 4/ Kraftsystem enligt anspråk 1/ – 3/, kännetecknadt därigenom, att utpuffningsgaaerna från de olika motorelementen tillföras en ringformSd, vid omkretsen af evänghjulsmaesorna an– ordna d dämpni ngs kam mar e « 5/ Kraftsystem enligt anspråk 1/ – 4/, kännetecknadt därigenom, att luften insuges i axial riktning till systemets yttre omkrets och afgår i närheten af ytteromkreteen, 6/ Kraftsystem enligt anspråk 1/ – 5/, kännetecknadt däri– genom, att drifkraften från motorelementens axlar öfverföres genom å axlarna sittande kugg– eller friktionshjul på en fastående eller två vridhart och koaxialt till hufvudaxeln anordnade kugg– eller fri ktionskransar. 7/ Friktionsmekanism, speciellt för kraftsystem enligt anspråk 1/ – 6/, därigenom kännetecknad, att densamma består af tre satser af i parallela plan anordnade skifvor, af hvilka två be– sitta en gemensam rotationsaxel, och den tredje, som för det mesta kan vara anordnad symmetriskt omkring de bägge andras axel, står ensidigt i ingrepp med dessa och kan utom rotationsrörelsen omkring den egna axeln rotera omkring de bägge andra skifsat– sernas gemensamma axel* 6/ Friktionsmekanism enligt anspråk 7/, kännetecknad därigenom, att skifvorna äro i ringartade afsatser, för att möjliggöra ingrepp med olika häfarmar mellan samma skifsatser. 9/ Kraftsystem enligt anspråk 1/ – 8/, kännetecknadt därigenom, att i stället för kugghjul och hjulkransar af skif– satser bestående mekanismer äro förutsedda, uf hvilka de mel– lersta sitta på motoraxlarna. 10/ Kraftsystem enligt anspråk 1/ – 9/} kännetecknadt därigenom, att den utåt eller inåt belägna satsen af friktions skifvor är axiellt förställbar, 11/ Kraftsystem enligt anspråk 1/ – 8/, kännetecknadt därigenom, att driften öfverföres på två i motsatt riktning roterande delar af systemet, som samarbeta med den af tre sat– ser skifvor bestående mekanismen, af hvilka den mellersta sat– sen drifves genom de båda axialt till de roterande systemde– larna ordnade ytter– och innerskifvor na, och förutom sin ro– tation om sin e|jen axel äfven löper rundt omkring den gemen– samma axeln för de båda andra skifsatserna. 12/ Kraftsystem enligt anspråk 8/ och 11/, känneteck– naci–t därigenom, att ytter– och innerskifsatsen är förskjutbar i axelns riktning och vid förskjutningen kan medtaga den mel– lersta skifsatsen, för att kunna använda mekanismen som broms– hastighetsförändrings– och omkastningsmekanism, 13/ Kraftsystem enligt anspråk 1/ – 12/, kännetecknadt genom kombinationen af utaf kugghjul och kuggkransar bestående mekanismer med en som broms–, hastighetsförändrings– och om– kastningsmekanism utbildad af tre satser skifvor bestående friktionsmekanism. 14/ Kraftsystem enligt anspråk 1/, kännetecknadt genom användningen af två grupper af hvarje gång af tre satser frik– tionsskifvor bestående mekanismer, af hvilka den ena som er– sättare för kugghjul och kuggkransar öfverför motoraxelns ro– tation på två motsatt roterande delar af systemet, den andra tjänar som hastighetsförändrings– och omkastningamekanism• 15/ Friktionernekanismens enligt anspråk 7/ – 14/ an– vändning, kännetecknad därigenom, att energi från en af två roterande delar bestående kraftmaskin, till ex, en med rote– rande stator och rotor utbildad turbin eller en motsvarande ut– bildad elektromotor, öfverföres på arbetsaxeln, 16/ Friktionsroekanism enligt anspråk 7/, kännetecknad därigenom, att skifvorna äro framställda af roterande efter– gifvande material, 1?/ Kraftsystem enligt anspråk 1/ – 7/, kännetecknadt därigenom, att på motora lementens kolfstänger äro anordnade kugghjul med som rotationskroppar af företrädesvis konkav art utbildade kuggar, hvilka alla. stå i ingrepp med ett omkring hufvudaxeln roterande kugghjul, på hvilket anordnats som rota– tionskropp af konvex art utbildade kuggar i form af en sluten våglinje. 18/ Kraftsystem enligt anspråk 17/, kännetecknadt genom cylinderns utbildning med två kolfvar och pa bägge sidor af systemet axialt till hufvudaxeln anordnade kugghjul med vågar– tadt anordnad kuggning, af hvilka hvarje står i ingrapp med

samtliga kolfvar på (C)na Bidan af motorelementen förmedels lämp– liga kugghjul, 19/ Motorelement för kraftsystem enligt anspråk 1/ – 18/, kännetecknadt därigenom, att cylindern meddelas från axeln utgående en rotationsrörelse omkring sån axel, som använ– des till styrning af arbetsför loppet i cylindern och af tänd– punkten. 20/ Motorelement af kraftsystem enligt anspråk 19/, kännetecknadt därigenom, att brännmaterial, till skottsluft och smörjolja tillföres systemet axialt och införes vid cylinderom– kretsen i cylindern, 21/ Motorelement för kraftsystem enligt anspråk 18/ – 20/, kännetecknad därigenom, att kolfven är vridbart förbunden med vefstaken och densamma öfver smörjoljan som mellanmedel meddelas en vridrörelse från cylinderns sida, så att tätningen åstadkommes med undvikande af kolfringar genom smörjoljan. 22/ Motorelement för kraftmaskiner enligt anspråk 18/ till 21/, kännetecknadt därigenom, att ofvanför det i form af en omstjälpt kon med krökt alstringslinje utbildade locket genom ett till detta 3ig till formen anslutande mundstycke tillförseln af brännmaterial et försiggår, som i fora af ett tunnt skikt tranges radialt utåt och härvid blandar sig med tillströmmande tillskottsluft, 23/ Motorelement för kraftmaskiner enligt anspråk 18/ – 22/, kännetecknadt därigenom, att den med konkav botten– vägg utbildade kolfven är försedd med spiralformade förstärk– ningsfjädrar för ledning af smörjoljan till vefstakeleden os–h genorablandning af bränsleblandningen. 24/ Motorelement för kraftmaskiner enligt anspråk 20/, kännetecknadt genom en fast rings lid,hyars in– och utlopps öppningar bringas i öfverensstämmelse med motsvarande öppnin– gar i cylindern genom den senares rotationsrörelse i och för styrning af arbetsförloppet i cylinderns inre,. 25/ liotorelement enligt anspråk 24/, kännetecknadt därigenom, att tätningen mellan ringsliden och cylinderytter– väggen verkställas genom den spiralfoimigt roterande mot hu– sets nedre del strömmande smörjoljan. 26/ Motorelement enligt anspråk 22/, kännetecknadt därigenom, att isoleringen mellan mundstycket och cylindern upp nås genom brännmaterialets konstanta spiralformiga strömning, 27/ Kraftsystem enligt anspråk 1 – 26/, kännetecknadt därigenom, att detsamma är inbyggd i ett fastst̊ående eller ro– terande hus af cylindrisk grundform, till ex. ett åkdonshjul, ett ventilatorhus eller dylikt. T'ioolüi Gril'o.iedo.Cf, Insinööri, Berliini 7.9. ;.–ot«dé»n3 rst rc»b.99_____7* •yöriväksi kokonaissysteemiksi ylulist.e tty ja voituaelyizieiitte j.j, erikoisesti noo t tor ie le men t te j ä. Keksintö tarkoittaa pyörivän voiraa'syr teeniin laatimista, joko on kokoonpantu ry.bnjastä yksityisiä voiraaeler'e nttejä, srikoi– sesti ioott orielexiisnt te j a. Iv‘ilLf;i miol'ä tn r koi te 1; tu päämär'–* 011 a ikaansaada py or iva 7v–iMsyi toanii, joka ottaa mnlidol lisimnuín pienen tilan akö'3 lin jî– kehn suns.itaan tel.on ja huiiiiapyöräniBssavai kutuksan ollessa uit'? snuritnan, jolloin toicelta puolen polttoaine, ilma ja voitl–saina johù,;i i/ian sys t eetiiin akselin suunansa, ja syty tykseen t.arpoelii– na n virta eri eleraenttejä varten samoin kehitetään pääakse 1 il 1 a olevalla tai tämän käyttämällä voiisalahteel l?i, toimelta puolen sytytys itse samoinkuin yksityisten moottorien eri Lyöjaksot kon– trolloidaan itsenäisesti. Sdelleen tehdään systeemin avulla mah– dolliseksi moottorieleoienttien korkea työnopeus ja sen johdosta suuri massa teho pääaks el in pyörimisnopeuden olle s sa suli te el lis eu p i 013 e d, samoinkuin, jos niin halutaan,,‘jopéasti käyvien mootto– rien yvin tehoisa jäähdytys saavutetaan. Hys te omissa samoinkuin yksityisissä eloirsnte U–s;'.: on bu’i te e 1 – lisisti sarja fcapr\ iai in tunnettuihin systeemeihin vain vähän osia, koske systeemin ja yksityiseleirmittien välityksellä työ toimitusten s 3 ät ö j.n.e. tapahtuu, keksinnön mukaan saavutetaan tarkoitettu päämäärä moottorie– 1 erient tien yhdist änisen kaut ta pyöriväkö i, huimapy 'iräiJHon–fU1 »rnno– doatavaksi systeemiksi, joka sijaitsee pääakselilla ja jonka kehäl– le moottorieleraentit ovat etupäässä siten, niiden geometriset akse– lit tätä vastaan kohtisuorassa tasossa sijaiteu, järjestetyt, ett:i geometriset akselit muodostavat systeoioin ja moottoriako e Iin välisen' suorakulmaisen ylidiii tysviivan kanssa terävän kulman, ja omilla hui– icapy oräiflafcsoillaan varustetut rooot toriol roenttien akselit ovat pää–;' akselin suuntaiset ja sopivilla siirtoli/.iillä, e tupäässä haiauaspyö– 9/ff – 2 – rillä, ovat koske tuksessa vastaavien ke ske isesti pääakseliin järjestettyjen h am ma s ke hi en kanssa, joista toinen voi olla kiin– teästi tai molemmat kier re t taväst i järjestetyt ja 0 rikoiatapauk– sir> sa myös toinen voi olla pois jäte tty. 1‘un jokaisella.yksityisellä elaraentillä on siirettävän* vain Bille lankeava osa kokonaisvoiiiasta, ovat har;rr;c.sp and i:oeet vain vähäisiä. Hun sitäpaitsi läpimitta suhde moottorielement– tien akseleilla sijaitsevien hammaspyörien ja hiv–as.kehien vii– 1111*1 on hyvin suuri) voivat moottorit työskennellä suurella nopendella? Systeemin tämä rakenne sallii hyvin tehoisan huimpyorär 1 aa ti/aisen vain pienine nittöineen, kuri suurella aopendel 1 a pyö– rivät yksityisten elementtien huiiJapyoi\aiiiassat samalla toimivat systeemissä massana, ja tämä vaikutus viela vahvistuu son krutte I; tn elementit sijaitsevat 1 Ahe m p än ä systeemin kehää käin keskus Edelleen on selvää, että tällainen systeemi, jos niin he lutaan, sai lii elementtien tehois an jäähdytyksen järjestelynsä vuoksi. Iltaa tulee sisään systeemiin akselin suuntain ja i–ietnt khää kohti. 3e jäähtyy tällöin ohennukaensa johdosta voinak– kü.asti, niin että paljoa tehois.jsripi jäähdytys on saavutsttovisss– knin tunnetuissa systeemeissä, joissa ilma toiselta puolen sin– o’Uitetaan kaikille puolille, toiselta puolen elementit sijaitse– vat lähempänä akselia. Samoin huomataan helposti, otbä tä/aäntspaiiien systeemi sallii polttoaineenj ilman ja voideaineen tulon systerin akse– lisuuntaan ja tekee mahdolliseksi kokonaistulon kontrolloiminen pyörivien or.ien lietkellietä pyörimisnopeutta vastaavasti. Tällaisessa sovituksessa löybyy uniin kolme piiäaksel in ympäri eri lupeudlla pyörivää osaa, nimittäin systeemi itse ja 'üoleajiuat hmrnaskehät. Viimemainitussa tapauksessa soveltuu osan keksinnöstä muodostava h ¦’ nkauskäy t tolai te erikoisen hyvin moot– torien kehittämän käyttövoiman vastaanottoon. viilien kuuluu pM– siaspa kolme akseleihinsa nähden vain toispuolisesti toistensa kosketuksessa olevaa laattaa tai la. at ta ryhmää, joista ulkopuoli* m z_ n nen j–'i sisäpuolinen ryhmä ovat järjestetyt sauankeskei sesti toimiinsa nähden, ja keskinäinen ry h u r:i, joka useiroiaiten on jrjer.tetty syïmye t.risesti molempien muiden rsks–lien yupäri, ”älittliä Lohkotuksen mols up ie n uuiden välillä. Tällainen käyt tul ú te voi.samoin toimia jrrufcufl–, r>opeudonnmut to– jo. suuniin vaihtuko n ei s tonu j e on.'.–il s it:í– p–'itsi se otu, etä k Mikki re <?.k ti o voima t hairu/iispy orien välil– lä tulevat täysin liy väksikjiy ti* tyiksi, Täi lai set käy t tö kone is t ok voiva t s–––iikoin toir’ia y ksi– tyiten elementtien hauwespyö.rien jí'. niiden kanssa koske tuli– sessa olevien li.airimoskeL ien korvaaj in«. Lia iden k'–iyttö3 littei– den eräänä omituisuutena oa, että eri ryhroien lafkat eivät vä– littoi.jM.sti ole koGketuksessa keskenään, vaan vain välillises– ti vkI laineen via kor i teet in ja le– at to jen reiät iivil i ikke er] kantta, niin ettei juuri mitään vahingollista kitkaa esiinny, Ï–'îüh riipivä s:?, itä, että väJineste ei tule kuten esimerkiksi sanankeske isesti toimiinsa jä.cjo~ teissä I'unk.uslr. atoissa sin– gautetuksi sateen suuntnan uiuripäin, v–iu–tn sillä on rjolöupisn laittojen vastakkaisen vaikutuksen vuoksi si ilien pyrkii–ys rii~ 1 ttää –.Hentonsa 1 » ottojen väl il li5, Täst ä ç.vy st ei ‘ rj üskíVán tarvitse käyttää välinesteenä kallista öljyä, vanu voidaan;.nycs käyttää halvempia imita ainoita

sopivalla viskos i tee t ill ä, vie – 7 äpä.s:vikö–vGiinaviivojy. laattojen viilillä. Sitäpaitsi edist'–'i?yös tämäntapainen käy t i;okousi st o teho isän systeemin rajoi tet– tuun tilaan konseutroimisen mahdolliseksi tekoa. Lyhyesti kerrottuna tarjoaa selostettu riootturiBysteci siten senraavat edut; a/ Ilyvin vhtilcen laajuuden yhtsydesa?* sika cl in suuu– n s s sa verra b tuna e le cion t tien lukumääri an ja käy tännossä työ ak– selin noil] 1 SOU: aan rajoitettuun kier t o lu kuun tekee uusi sy s– teem laahdollir; ksi saavuttaa vire;–] nau tasapainon k"iy '".tövoi n j–i vastustuksen välillä ja con johdosta y hdeimmkair>erauan liik– keen systeemiin pyörivien orsien nopeuden jo suunnan ollessa.Jie– 1 iva 1 talsia. k/ ISlaiaenttien suuri py iiriioi suopeus, joka voi:)ysyä luuut turjat toinaufi jääa ks e.1 in riopeu– en uniut tuo asukin. Pf to – 4 – o/ ri en i tilantarve sateensuunnawsa. 1/ Polttoaiueen ja voideöljyn tulo –.–knnliju sniuit i;–– u. ö/ Vir tai ahte an r. 'A teen.auun.tn in en j 'i rjc a tel y V* ikV. ie a elementtien ay ty ty/=urii'taa varten. f/' 3eurau'' eeua d/i'–.t" ja e/; •–' tm vaV–'n tue k;1 ani si a of in, j kun. rolt to ine en, vuideol jy;> ja ili–jar tulon tai virta– luteen v:Wton talli indukturin koi i tr o 11 c i ' i ne n voi tar–ak tua <F py fs: i vien c':,isn Halittu. g/ I nakin io.it,:vm liankaushl viü t ii knyt töl ai t te iden eri– koisen laadinnan poruni le e] 3a. 1:/ ï oo t cor i elo me nt tien i to st o imi va te i–oi.sa j " "îidy i;y s. diivan kaiten s yhteen i li varten voida–'.?.: Mcottorielei–aont– tien sopivan laad in au a kantta py ori; liat h käy tt:1 "• lyväksi a k– selin suuntaan s isä and n johde t føvan sy ty työ seoksen vai ui and tu st ti, voiteluöljyu kiertoa ja silinterissä tap sh tu visu työtoirai– tuoteni sí»pjoi?ikuin sy by b ykoon kontrolloi! inta varten. T'Ulûin vara ta.in sal 1 a tavalla kuin ßysitseüiiß s–i vir f, a ü k e li i 11 i v? t o– «ut, i.ipin»i:rnto<lofitTLsta v>i 1 i t t–;'v at osut, n and?.ksi pikrjllaa?] ole– vina ja ojaksi pyörivinä. –f'–eki–,innon Mukaan aaavute taan t'koa –e'a k.–.uitt*; ett/– –i 1 in to rill e anne taan Moottoriako?.] ici ta laatien pv or ir–iil iiks. i!':gi54 kierto! iike ai irre tään pyi:;riv:; at i k iar tokan ke e?–! y h cl is te t– tyyn il;Vn t;;ä n voideijljyn v:'l i '–y käellä v"–>] i ai ne e n a. < a j –mu e 1 i–ne tiri toimii a il into rira: in'i nain yajpari sijoitettu kliats'5 ren– 1 xist i;¦/1; te yd esr.ü oy ori v–hi si 1 ia te rin kanssa, j o tkn •¦iolenwa t ovnt ver a.s te tut 1 pikul krujukoil 3 } jotka sopivilla e jsnnetkil– lä peittiivp.t toisensa. ü H'oal la tavalla tapahtuu sytytyksen li o trollt) imi ne n si 1 inter in kera pyöri v'i 11a, ka a key ty s paikan on a a– vai la eris ty.sr e n ka ai la, kuten uy ölie ukums sa sel. ontukösßsa sel itä t Hän. Ä'.yÖö yksi tyiaelei'ionteicisa k'iy to tään vilisi irtoaineena ininnän j?? silinterin v–'lilla. öljyn viíjkoniteet tia. l'raän kaut ta ei vain v'Uteti–i;aa}i te el 1 ir en suuria ka* n kaarta m a nai an ja si– linterin välillä, vaan manoin tulevat n'–in t" t i 1 v i y koO t irj h i.in'ai ja silintoriD. v;ililla pyörivän öljyn johdosta tarpeettomiksi. kaimün wuka.Rn modo– i;» h Lu rvy.tQftr,i tarjoaa siis m m kuvan Parnioonise sta kokon", i s un. dg fi ta. Akiini i.– ta 3 ':îh tien i oli– df;t*an rotentiyalinn ereria Vik'> lie p::in ja kob'Vlfi J.naa– 'jirtftn øoorgiian '¦ nuo d osaa tyo.ik peliin. „<.::.'.i tsi y ksi tyisel3r:c:nt– tien lijMnti"– 011 vain akselin siiiintaaii syf–; teei/iiiii tr– i yksityis– 9.1 orno n t tø ih in nutiden pyörivin osin ol etna ts sa, jo lika viilit t:i vp t polttoainetulon ja sytytyksen työ tu iiai tust en ol; j aus t>1,! lij–ais– j.kseli t, veut ti i 1 i t j. n.0. tav anr/mka i ne t sa j –;.r j øste ly s s:i puut– tuvat i.;olionaan, Ikyöriien ifiiintien jm si Iinte rio21 periä;? Lotta yköityit– j] c me ntei i'jsi' Yûiila;vo lwos eãullis e st i Vîy 11'4 keksijän 1 <va ti m i en k': y 11Lii ai t te iden yktey dess. 3 joissa k:–i v te tään Lampaina tcisei:– k r,<U.e tukseea joutuvia rotatiokappaleita, joista lüi.fcn P.yo– ''n k'1."1.luva t: ovat kuperaa ja. t oi s e o.1 pyür–ün kuuluvat '• over.u1. 1 y ï tua. Jar– 0 si'1 i « jii rje n t–3'tMÜn ku* r–, {: i itpoat pi1,1; kol i i k– keießti kiiuteur'iiseen akse] iinsa,/k di st.e hy 11 pyörän tyopir'– i'nlle suljetun.viltoviivaï] mukaan j» koverat knMpaat jako–ipy– r;jn uin.ka–ar.' toir.eüle pyürlle, ja j on j "¦') kim'i ii;e3 1. e annetaan 7* ilitotyöntöliiks, uiiniirtyy t:u')ä sasira/iise » pyür:La kierto– liikkeeksi, jotavastoin toinen paitsi va–ib.totyöntüli ikett:.i:–tio– L'ittaa pyöriiaislikkeen. Voidaan nyt Molemmin puolin laoottori– '¦) leilien t te j a 0 in a jä. rje s tä a t;– Iloinen>al to ma is o 31– li: un td–.«,s tuk– sella:: iiodo r t a t tu pyörä paäakseli] le, j* " ai od o skaa jokniusi.1. s I r?– lii'ritti k ud døl la. «des– j". k––ilia,ioi?}li\k'uival] a usai la, esi–'. V.d.!– dilla rd'.tinllâ, joißta jokainen siilien yi:Uia te. ty 1]. limnin.si–y 0– r:ill':i 011 kosketuksessa vhü.eu kans sa.ial oiomis if. tu liaiúaias tuksi,' ta jotta koko käyttö ni ir rs ttäisi in vjwl rnuaille hemaspy oriil 3 aalto mv:i isine hanuoa g tu ksi ne 011. L'.'iy t bel ai t teen k:iy tt:<iniuen keksiu–iön auk ais and s and a aook i.ori– rakon tee «sa on erikoisen yksinkertainen jo, sallii si tä paitsi korkeita nopeuksia, damraa spy orien ra ke n teen oli essa sopivan teke t aiuä käy t tokene i st o naii doll iseksi käy ton s iirron i–ioott oriaks?.;–.1 e ift ta. j–:v] kinn.isten ot–ie t rin t en akselien, järjestely?.: n33e:.;«a–;1 i e 1 i v>i] tfii sen ~.y?• te eniin 'r'V'a ks e] i in o–Uiden. Olieenliite tyissa piiruötuksiir: sa kuvataan keksintö jntku– 7 r: r$a ke}',L ty k s es s '5 îu.t j a e r i 1 a a>j ii? ta:iuo il o is su. kuviot 1 jo. 2 o so i t lv va t oline yîjâekoi rylm'–ksi yî teeiir:;– #'r X io Ti'3–1 tu*A 'noo1' ter lei ementtiä Pivo." ju lei kkaufe k.n.v i « 7ksi– tyiotfoottorien 3 uro 91 ri.49 t akf. 93 it ovwt merkityt a a, o1 –i', ¦jr| –i.,f ja u–">idyn o o i t o c ie ü ¦"•k soli t. "b j 1j 1; T.' ". f u o r0 s k –3. a 3 u t johdetaan iv>"î\n onion pvikselii: c c' Kjpi, *; olion?i huvat–tu kssr–utta j on liitetty, j •:». saapuvat Ruthien d kau 11 yksityis– moottoroihin, joiden vdlitykr. el l–l silinterien syöttö– Ja eri tyotapMl"nuaien i t n o n£ ä kulku oi. ja t aan. rr–l–.YjiülLi–' and sut _>oiGtnvat :• il into ro ir–1 ü tai niiden vaipoilta putkien e l:îpi »kr,elin 0,0* kuussa Gonankeökei seti j–;*rj9Gte ttyyn rengasmaiseen vaienvV!.';– k'–'mloon f. Kaasut johdeta–an g iis ke skei–s eoti ôi–Wir. ja poi'–.~ ti lv st kehriin, I:,y ös øy ty tyst:i– v r tsn nn t?,r Koitukoeuraikai 3«st i varat tu– na kaikille moottoreille yhteinen, ei kuvattu vi rtl:«lide, s sia», ii'nuktori, joka sijaitsee ky eli] la tai juto t:î.î ¦ käyttää, Isaksi.hanraa BkeírUi on merkitty and ja li, j eilen kanssa «kr; «.leili a Td, 1' ', 1'11 rsi jäi to evä fc hammaspyörät j, j 1, J n ovat k o:–kQ k iiji – e h s a, riat:.i haupjakoh i f–t a o va t joko::i o 1er1 n–a t ki er – rsttävnßLi j r j e 21 e ty t, t tai toine.o on aoin j " to t ty je toinen k ' inteänti Järjestetty, Ruten 'mvioist3. seisoin käy soille,siir – taii kukin hammaspyörä j vain oman Moottoilnaa kk:l t f' n aa käyt– tövoiman ha.11.ma s kehiin. Hnumaspaine voi si ie moot tor i ryhmin ko k oa ai r–teli on ollessa suuren oli», pu k te al lie en pieni, niin e 11 ä L.inriaepyörien j suuri f>y öriraießnopeun on sallittu je–, vastaavasti y ks i'–yinmoo i; torien gu uri uojeus. xksi tyiijmoot torien suuri työ – ro–vjus on ny o s RrjntnlnIen sallittu, ettii välity? /v.ana;.1 py Ö2risn j ja. bM'JiEJiAskßVjien ja h välillä on nuh. teel lison Giriri, niin e ttel uKict torin nopeuden ollessa fiuuren kin p:';jakr.elin kiortornopeus v oi oll«, koi–tuul linsn, unurc.0 suvai täevaiautuien t–nsa5'» suhteessa g lii k: ii te n kin erikoisesti kokbinnönuukainen iiarj kaiuAonei Gto, kn.ten inyöb.eiu2öiRtä nalos tukei'–:tu k:4.y ilmi. Kuviossa 3 kuvataan lifj»i«aaspyör " vl ityksi ri, joista.koneis– ton syG teiniin sovittamisen eri nçi– idol 1 íguucíot voiüo.nn 'javaita. Huvathan kolme sektoria k o 1, 1 o in}w o k kukin ISC'0, ja tosin on sektorissa koi sisHynipyrnsä Muuttumaton 1 Spii.litta p, joka voi toimia ylidegsä ori läpimitte.i sten ulkokehien < plus or minus,, q_£, q_31 q_4 tøf.. – 7 – ja vu st a av ion ari läpimittaisten haiimjasp.y yj. ajj tvi j r p,, 1–4, kanssa raoott.orif3leraenttie.il okselei 11.3. Rektorin 1 o '"iibaii on läpimitta q. ulkoIreIr'lle auuï.turiaton ja si sä ke han 1:'.pi–.i t ta uuut tuva, ja r.ek torin f o!" i luka aa on lo o o 11 o r j.– kfi s 1 e i 11 a olevien bai–; ma

spyo Tie n läpiiaitt?– muuttajat op, jotavaetoin uiko– ja s plus or minus r'\ keh:in lapioitta on muuttuva, Käy tä*n:nÖssä ei ”ionessa tapauksessa olo suositeltava kiii id. e n pyörakehän varaariiïta, vaan vain uiko– tai siskehän, jo– ka silloin on järjestetty kiinteäksi. oysteeioi vain kiinteällä sic–'"kehillä /Ô on esiru, kuviossa 4 kuvat buna.S(C) pyörii min ympäri, joka înuodostuu moottoreista akseleilla u sijaitse– vina h7i/»lastlyörineen v kehyksilleen w ja siilien pakkoliikkeises– ti yhdistetystä kapilaatasta x systeemin akselin ympäri.>L:ia– 'îuseos johd'3t aan sis5i akselin suunnassa ja saapuu kanavien y z ja vain katkaistuna kuvattujen johtojen 1 kautta moottoreihin, onmnlla tav ai 3. g johdetaan voideöljy siöään, Virt< ähde «yty Ly.– •'–i.'tä*n varten on sarjoin akselin suuntaan järjestetty, ja sytytys– virta johdetaan yksityisiin moottori3lementteihin eristetyillä johdoilla 1’. iioottoriaks el ien u pyöriessä vierii lisoesg pyörä v pitkin hain raa s pyöreä Ä ja käyttö siirtyy v? kautta xiään. Ilma tulee sadoin keskeisesti o is ään rengasmaisen kanavan 2 ja au.kko~ jon 3 kautta kehykseen ja pyyhkäisee moottorien ohi. Kuvioissa 5 ja 6 on kaavannollisesti kuvattuna sovitus, jossa 3a aa aa e kehät ja hanaaaspyörät ovat korvatut kolmea! aatuiaista laatoista kokoonpannuilla välityksillä, joilla or jo selostetut uroi naisuudet. Ulospäin sijaitseva laattarylinm 4 pyörii nuolen 5 suun– taan, sii'i änpäin sijaitseva laattaryhm 6.au oi en 7 suunta an, ja ei kuvatun systeemin moot tori aksele illa löytyvät laattaryhaäb 8 nuolen 9 suuntaan. Yhtaikaa su ori ttavat välilaatat'8 systee– min kanssa, joka on ajateltu sijaitsevaksi irrallaan akselilla, kiertoliikkeen nuolen 10 suuntaan. Jotta moottorit pysyisivät vaiheessaan, löytyy niiden akseleilla ketjuhanmaspyörat II,jotka ovat kosketuksessa yhteisen hannasketjuu 13 kanssa. haattaryhmä 6 on poikkikappnleel la 13 pakkoliikkeisas ti yhdiste tty pääakseliin pituus sunnas sa si irrettäväs L i. Vivulla 14 m – e – U voidaan tntä lianimaslaatta–rylimää siirtää toiaeeu tai toiseen mukaan saavutettaisiin nopeuden muunto tai tyhjänä käynti* Üiirret tue s sä ottaa ne ke ski'" i and e t la at taryhrjät sukuansa. Tl3.l lai sen koneiston.yleinen vaikutustapa r–el ostetaan paraiten kuv, 8 ja 8 avulla,.niiden kuvioiden mukaan ovat laatat 4 ui k o.ry Imi. s sä muodot; s tut ka.H del lii rengasmaisella por– taalla 15 ja 16. 3isäryhmän laatat 6 samoin kalidelIm porras– askelumlla IV 18, j Otavaa toin laatat 8 viUirj'Lml.sä kuv. 7 aufcafiu voivat esittää tasaisia pintoja, tai samoin ois and ta kaksi asbilmaa 1?, 2u, Kutsu k.uv, 9 osoittaa, 3l.UV. 8 ja 9 mukaan ovat laatat 6 kiilatut akselille ja ¦.yhdistetyt systeemin toimeen suuntaan pyörivän os‘íü kanssa ja ”Ikelaatat 4 toimeen suuntaan pyörivän o g 3.n kanssa. V:lilaat– t a ryhmät 0 sijaitsevat vapaasti kierrettävää*, i akseleilla SI ja '/oivat yhteisesti pyöriä pänakse Iin ympäri. Jri py Ürimio– uutirat ovat ilmaistut kuviossa 8 nuolilla. Cär. tä käy emille, että. laatat 8 pyörität akselin SI ympäri, jolloin n! imi voivat jjyÔrië toiseen tai toimeen suuntaan päaykr>elin j?>päri. kuviosta 9 nähdään kolme eri leikkausta, jotka vas– taavat laattaryhiaien kolmea eri asentoa toisiinsa aäbien. –isento I vastaa Byateeiain fcyljjanli käyntiä, 1 cat at 8 kouluttavat y h ti saliin laattoja 4 kuin myo «k.'an laattoja C tai molempia la..it talaje ja vain hyvin kevyesti, 3i y n ny mitään käyttöä, Asennot II ja III saavutetaan aina.––.en Amkaan.kuir. s is: empi laattaryhma siirretään emmulie ti oikealle. Jiiip– puen toisesta tai toisesta niistä asennoista tonjituu keskiaii– sen 1 aat barybmän 8 pyöriminen oikealle tai vasemmalle, *««.*1 oa 1 sa II on vipuvarsi, jonka mukaan laattojen Q kosketus laatto– jen 4 karissa tapktuu, pitempi kuin r. e } jonka av. ka un laattojen 8 k o •' t us laattojen C> kanr.asa tapahtuu; laatat 8 otetun aiia kainen asianlaita ja l'.–atat 8 juoksevat laattojen 6 pyörimis– suuntaan akselin y*ip:iri. T–'ân'! ruunaa ava ihto on tlydel leen ri ip pui–1 at on mootto– rín te h O" ta ja py 13 ri mi «nopeudesta, sulultaan, jotta dessä laattojen profiloimisen kanssa kav.7 'aukean la at tojen 4 pycrimiasuun taan, ‘XI ois sn 1 ouUtsryhrmn,5u9 ttylu voi uyc» t.>:wj. sitn, ottli toivolla L–iacturyhtrnUlö on nu uron! j)i toi iõne.i Tälta '.vaikutuksessaan voi ilaat toiliin, niinettä sansile kiertosuun–.00, 11 e voi daon s ' avut tua riiv 1 ivol to io ia no peur3vj.i lito j a* Toton k'iyviit *íriküi=iGb jaiorutuR loitte*;, orikoiet uo– eudonvo.iljto– ja suun non vo, il: to kon oi otot torpset Lor.: i1'–1 i, T tiilien taii o, i ij i s «a ko no i?s t o ir: o • i o va t et oio yy do t 1 o. o. tt o– jn v–’llll:‘ hyvin p i o n i o., Ly vi ri v:;li ‘–i.Li– o t asø ttolut riittovcit s ri ur isn f*r o o,rion ToiHiJ.unteTi n:L 1 n _a « of u*i i? • e 9 n. l.uu 1 o vt at vni– kutto.vat toisiinsa ennemtain ni i il en val illö. vniirutt–' von no<;>–– toon Vout tn ku in suorsmisgn Lan ku us ko g koO r k,~e n ku t–t ç;, niin si luyöskiiän wit il än oimreupia a kv olinouant alfs ia paineita t;–.rv i– t o 1. ottojen toi«i n–s n vastaan i;|u‘istomiseen. .)ys kaskiiü.;Ußfcä laattaa on key teit–.>v;;., kulo1: 'iuv, G Ja, 0 uulu–ton, niin voidaan vjnin kiertonopeuden muutoksia saovutty.0,, •r–llrdnea ko ne Ib t o on si is Mou arvoinen uoeiv1 enuuut tokona in– ton kuussa* £3 i 11? s on Kuitenkin ait>‘ipaitøi talloisin konois– toille oiainainio, etuja ja voi korvata s–yfteetain Hsiujiaiäpyoriu, ja LatTmjaskeL in,;’itii tavaili si lia no oo u de n va liitoko nai k toil 1 a oi v o i d n o «. o v 'u t taa. luv, K o sont ta a, ooi.uu1 top ai sen.'vitukoen tn. in feu;'. 4 ¦ '"to <.m, k ui to n k in käyt to kone1 i ot on y]j toy U o o sa, joo ko ir–nod astua In ri Ltarylniiä.t 0U; ni3 62 Ja pyörivä sisöisliä. G on::* na rv oi$ ton o.oien oisrkiniuAt ovat t kuin kuviogso A, Lm at to jo n profiloi •ni nø n oi ole kuvattu«* Sri porrost'aklnpt on oa"o t o i k(R)i 'j*V\i~ » oeti!.o iy in taan j?! niiden kuvauo In o –t o j en toM.jas aa vie– rskkS.inao vituksi e s s a î i olisi Imou’o, i.tavi:–; ro. linsipyöro. 44 v ril i t taa n\'iviko,ryn niintoo, j o ko on,yLdir–l.ç t ty oio;;pnol ioeen loattti ryhmiin. 50. Virtalähteessä pyörii pyörijä 47] i on no. s pj o ri n o 2 n ï} jci ooiooj,–» 46 k–ikykßen « kanssa. il;iy tt Öl..i t te en vaikutustapa k.y selville iliaan. mun. tn e– dol 1 ici 9tfi EQÍOfitukßi« ta, ii plus or minus in et la oeikkaper:'*Lvat i lv ko? t L*i n n –.rkyt t'i.v‘st hp.rv*settoriil ta. jluvi'it 1!î j?] 2 osoittavat ko’nyk«?n, jo’1 on?•;>'. to »a in ko IHM!" is j'' r joet ely on ouljo’Jtu. lvliys nuiotuttaa tuul«:' ttiiaen k~ iiypifc–*. Li i ookan to. 43 voidaan.yhdistää pn.t!'ijolit')i;u e– for 30 – lü – s aj e n.. o i s j oli t o a varten by ü t il aß t a. L.UV. I 7> fio i t taa e Ils i nn ü nun kai 30 n 1 ai'.ùi u La–;uo –jo a c ol k'ipy oräre'igas ta varten, jossa pyor–’ui ‘läybtö üuu lai– van sanalla tavalla kuin hihn and py ürtin SI kuv. 10 mukaan. Kes– kinäinen laatta ry hin n, pannaan pyörin fitin uiko– ja aisnlaatta– ryh'mällä ja pyörii samalla py öräakselin yiapäri, johon liik– koe seen pyörärcng and s tietysti otetaan mukaan. Jos røggas korvataan silinterinä!:5g 11a oi–.ma 11 a, Vuteii ? ilkkuviivoilla 3rsite Uy, saataisiin Imimapyöräitiaaaa, joka ::isal l;äi si Oiùan käy tt önnä ja jota voitaisiin käyltäi –läyttü– jj o r ' ' nä akselia varten tai käy t i, on i hna oy o r a––. jjde 11 i se s t'5 käy iny ös esille, ytbä orikoiston nah dol li– stiuksiön '.'"srusteolla, joita käyttölaite tarjoaa, aj oneuvopyö– riosä sen kautta yhteydessä uyr;teecxi.ssä käytottyjen iiannaas– väli by sten kanssa jarrutus–, smuui anvaih to– ja no oeudenmiut– tokoneistot käyvät fcarpee ttooiksi. kaiuttamatta.<000 oturin pyörimisnopeutta ja tehoa on mahdollista vähitellen siirtyä nopeudesta mielivaltaiseen toiseen, jarruttaa ja ajaa taakse– päin* Tällöin on käyttö työpaikkojen vähäisen lukumäärän vuoksi, jotka suorittavat vain kiertoliikkeitä, ja polttoai– neen, voideaineen j.n.e. yksinkertaisen sisääntulon vuoksi erittäin luotettava, niin että tällainen systeemi tyydyttää kolkkia käytännössä asetettavia vaatimuksia. kuten jo mainittu, soveltuu orikoisos ti k<‘5ytattävnkni keksinnön mukaisen systeeuin kokonaisrakenteen 2–uitteiden • ij isällä moottori el enien t ti,

jossa vastaavasti kuin nääsystee– nissä polttoaineen sisääntulo tapahtuu pMäakselin suuntaan, ja silinterissä tapuli tuvion tjö toimi tuo ten ohjaus samoinkuin sytytyksen kontrolloirainen tapahtuu pyörivien osien kautta. Tällainen moottori on kuvattuna kuvioissa 14 ja 15, joista kuv* 14 osoittaa akselin suuntaisen keski leikkauksen, iiootto– rielenitin läpi, ja kuv. 15 suuremmassa koossa piirrebtynä leikkauksen inoottorieleraentin yläosasta, josta polttoaine– seoksen, voideaineen ja liaailman tulo nähdään, iluton ku– viossa 14 esitetty, kuuluu jokaiseen 1200 btorieleïoenttiin pää– asiassa silinteri 21, joka pyörii geometrisen akselinsa yopä– m 31 –li– ri, î–îman silinterin alaosassa on tatn tarkoitusta varten kartiohamraaspyürä 22,;oka on kosketuksessa woo ttori ak pel in osalla 23 sijaitsevan kartioliarimaspyörari kanssa. iioottoriak– 88lia, käyttää kiertokarki 25. Koottoriakselin toinen osa 231 siirtää moottorin kehittähän kiertoliikkeen v–?i 1 illisesti tai vaiittÖJHAöti voitettavaan vastuatufcaeeii eli molempiin saaan– kekeisiin liamiDaskehiin. lLahdenpuolisesti molempien akseli– osien 23, 23' yli on huimapyorawass–a 26 järjestetty, liun moottoriakselin kierto siirretään.silinteriin 21, pyörii tämä kartiohcanmaspy orien 22 je. 24 valitun läpimitta– suhteen perusteella puolella noo ttoriakselin nopeudella polt– toaineen ni • ääntul on ja ui o ewe non uurMii.akuin juriv' tus j '3 k:; jd 'i i" l;ü + varten.halutulla tavalla, Pyvrivän!:ili:.itoi'in 21 ympäri oc j –'rjy s te t ty vaippa –.7} joka on varustettu joukolla reikiä 27' vaipan ja ailiuterisei– v:Uj.se n uan'onttouden sisään ulkonevine rounaosineen. ïlüpâ?iss:> on vaippa varustettu kuulalaakerilla 29, jossa silinteri 21 pyö– rii. r;i 11 a in en kuula 1 aa ke ri varataan tarkoituksen mutain at t i jjiyös alhaalle vaipan ja silinterin väliin. Vaippa 27 on kartiorjair–eoti muodostettu, jolloin ah– taampi osa un suunnattu alaspäin. Alapässäiin on vaippa iniio– dostettu laakereilla akseliosien 23, 23* laaker ikuor i a varten. Silinteri 21 on keliässaän varustettu spiraalimaisesti järjestetyillä rivoilla 30 silinterin lujuuden lis äLicise ksi, Silinterin ylMosassa on eri koikeusasennoissa aukkoja 31, jotka välittivät palamiskaasuseoksen sisuanjohtoa ja üenokaasujen uioslaskemista» IHiden aukkojen kontrollciioineu tapahtuu ke– hykseen 27 kiinnite ty 110. renkaalla 32, joka on varustettu so– pivilla aukoilla ja veli3einill>i 02', joiden luvutta silinterin kiertyessä naiden lapilaskuaukkojen «yLte.vdessa si li ui. erin e ri työjaksojen ohjaus tapahtuu, iilamiskaasunoos virtaa vaip:m 27 yläosan 33 kautta sisään ja tunkeutuu väliseinin 32* ylä– \ puolelta silinterin si' ään, jotavastoin r*,enoko.asut tämän vvli–* sei aan alapuolelta palu*? taan hilaan <:8. j.iä n f? 34 on kuuiani– velelli" 35 kiinnitetty kiertokangen 25 päähän, ja sovitus on siten laadittu, että kiertokangen n'viratty pituusasettelu on m 3 percent wahdol linen, jotta puri stuc jaksoa voi Viiviin ääcää käy– Ijttyä r j:'h Ay üse '–'î–: ta v.\<.ta: v 'v. i. I la osa g saan on.finta 34 u'v.ovüt tu •; o verolla päätese inii– malüâ 34 1, J oka on vahvistettu s piraaliuuuo tui oi 11 a poikLi;.>.–;i– uämil3ä 34", joilla r?itä. paitai u,j tarkoitus juULaa üljy kuula– ni veljen, ivr.i.XL t'i.:.i jüi GGÍÍG vajjMfiÖ ti k. i ti t Li C J i> ii 1, 1 i' Lok.:.:)– 'i ti C Cl j –.i o L j t a a a s i I i..j terin ki jr t;?eí'>s:J fhfUi lv aitta. iU.kaa–j i.vl ei–j. i n vHlil:'i ulahan ül Jy île rr i> kae n p'j rust oe 1I a. i'äur–a kautta välte– tään Loiselta Taulun Gauraur,iú3n.hnkauskockctus ni lints rin ju i –: ': ri j i; 3 n. m–s Ln.ll i riiito jen välillä, toimelta puolen –aiodes Laa v\o~ Jempien eiuhiien välillä kiertävä öljy hyvän tiivis!;yksen,ui.in efbä niännäntiivistyrenkaat ja uiden epäkohdat vai betään* Mouttorieleiaenbtien selostetusta kiertoliikkeestä k;iy eoille '2t1 ä müüttoriel'jiaeiitissa verrattuna tunas l tviiiiin laoo Uu– rieleitfsnt tsihin on "ain harvoja Lyöpaikkoju, ja fcutiii pääasial– lisesti, '».oaku silinterin tänän kiertoliikkoun ktfiibtu ohjaus tapahtua sanalla. kun guoraaainen hankausko eka tus uäiinäu ja silinLerin välillä on vältetty, on myös kuluminen v äh "lii: a a. Polttoaine johde taan sisään ukkelin suuntaan kapi! j. " – risillä kanavilla oö käy ristetyn ylösalaininkäännetyn kartiun luukaan muovatun kannen 37 syvennettyyn osaan. jiun kansi 37 kiertyy, mutta sen yläpuolella oleva seinämä kapilläärisine läpikulkuaukkoineen on järjestetty kiinteäksi, niin annetaan seokselle kiertoliike, yhtaikaa keskipakoisliikkeeu kanssa,niin että se ohuen kerroksen muodossa leviää ja sekoittuu läheinen ti aukkojen 30 kautta suppilomaiseen seulaan 39 virtaavan lisäilmaa kanssa, yhtaikaa saavutetaan sen kautta eristys suuka2>pal se a ja silinterin välillä polttoaineen muuttumattoman spiraalimai– sen virtauksen vuoksi. Ky lin H pal. amskaasuseos jäähdyttiin, edelleen liikkuessaan suukappaleesta 36 oh jausreukaasee n Z2 saakka r–i 1 iute riu Hl y!ä– osaa ja tulee jo täjiä tavalla etuläiatsi to ty ksi, t.;nneîiku.iii se tunkeutuu silinteriin. Voiueöljy johdetaan sisään putkella 40, joka on järjestetty putken 41 viereen, jonka kautta polttoaineen sisäänjohto tapahtuu. Tämä öljy saapuu kuulalaakerin 29 yli oh– 9/*r – 13 jausreiikaaseen 32 saakka ja virtaa ohjausrenkuan jo. cil in terin V'–lisan välitilan kautta alaspäin, missä so voitelee akseli– laakereja ja kiertokangen x'engasi atiker ia. 3i 1 in be rin n.i\ 11:l ottaa sen mäntä r–iukaansa ylöspäin ja johdetaan riitojen 34" avulla myös kuulalaakerisovitukseen 35 männän ja kiertokangen välillä. jiuv. 16 ja 1? osoittavat tuliaisan systeemin käy vä.nnöl–.lisen 'V'.iori fcuksen, ja tosin osoittaa kuv. 16 "! tikkauksen koh– tisuorasti kuv. 14 mukaista vastaun, ja kuv, 17 pohjakuvan By– fcytyssovilukse s ta. Samanarvoiset osat ovat merkityt sanoilla merkinnöillä kuin kuvioissa 14 ja 1G. Käissä kuvioissa on ohjaus sytytys– kipinää. varten kuvattuna pääasia!!isimpine osineen 47, 48, 49, 50, 51, 55. kuv. 18 usoi t taa moottori elementtien kokona i s j är je:; to ly n;.:y otei;missä, joi 1 öin käyttokoneistot eivät ole kuvattuj a.:iäis– tä kuvioista käyvät esille tulokanavat 52, 53, 54 polttoai– netta, voideoljyä ja ilmaa varten systeemin akselin. läpi. 1/ Pyöriväksi systeemiksi kokoonpannut voimafementit,.ikoisesti moottorielGiaentit, tunnetut siitä, qptll yksityis– elemit ovat järjestetyt symmetrisesti pâÿfcselin ympäri mää– rätylle f and i syy del le tästä ja yhteiseenJmfertotasoon ja ovat y h teenliit e ty?k yksilölliseksi Imimaojifräm as saksi. 2/ VoiiDaSSteemi vaatiraujpeen 1/ mukaan, tunnettu siitä, että kohtisuorasii plÄakseliaviastaan järjestetyssä tasossa 1 oy tyvät moo tt orieleiaenfWen geome tri se t akse lit muodostavat terävän kulman tässärfCasoseolevan piin,– ja moottoriakselin välisen yhdistysjuovan kanssa juovat järjestetyt samalle sä~ beis– ja kulpibetäisyydelie pääaksefta* 7oit3[isystsemi vaatimuksen mukaan, tunnet tu siettä polttoaine, voide öljy ja ilma j ohstaan pääakseliu Cuuntaan sisään ja yksityiselementtien kautta kolirWrtyt käyttö– voimat siirretään kaikkien moottoriakselien vlitykf–nrjyhtei– Patenttivaatimukset. 1/ Pyöriväksi systeemiksi kokoonpannut raoottoriele– mentit, jotka ovat järjestetyt yhteiseen kiertotasoon, siten, että ne ovat samalla etäisyydellä kiertoakselis ta ja toisistaan, tunnettu siitä,että polttoaine, voideöljy ja ilma johdetaan pääakselin suuntaan sisään ja että yksityiselementtien (mootto– rien) kautta kehitetyt käyttövoimat siirretään kaikkien moot– toriakselien välityksellä yhteisiin, pääakselin kanssa saman– keskeisesti järje stettyihln käyt tokoneist oihin, 2/ Voimasysteemi vaatimuksen 1/ mukaan, tunnettu sii– tä, että käyttöaineiden sisääntulon kontrolloiminen tapahtuu systeemin osan nopeuden välityksellä, mutta työjaksojen ohjaus moottorielementeissä näiden itsensä kautta. 3/ Voimasysteemi vaatimusten 1– 2/ mukaan, tunnettu siitä, että sähkösytytysenergiian kehittäminen tapahtuu pää– akselista esim. tällä sijaitsevalla induktorilla, mutta että itse sytytystä säätää kukin moottorieleraentti

itsenäisesti. 4/ Voimasysteemi vaatimusten 1–3/ mukaan, tunnettu sillä, että eri moottorielømenttien menokaasut johdetaan ren– gasmaiseen, huiraapyörämassan kehään järjestettyyn vaimennus– kammioon, 5/ Voima systeemi vaatimusten 1–4/ rankaan, tunnettu siitä, että ilma imetään sisään akselin suuntaan systeemin ulko– kehään päin ja poistuu ulkokehän läheisyydessä. 6/ Voimasysteemi vaatimusten 1–5/ mukaan, tunnettu siitä, että käyttövoima moottorieleraenttien akseleista akse– leilla sijaitsevien hammas– tai hankauspyörien välityksellä siirretään kiinteään tahi kahteen kierrettävään pääakselin kans– sa samankeskeisesti järjestettyyn hararnas– tai hankaus kehään. 7/ Hankauskoneisto erikoisesti voimasysteemejä var– ten vaatimusten 1 – 6/ mukaan, tunnettu siitä, että sen muodos– taa kolme lyhmää yhdensuuntaisiin tasoihin järjestettyjä laatto– ja, joista kahdella on yhteinen kiertoakseli, ja kolmas, joka u– seimmiten voi olla järjestetty symmetrisesti molempien muiden akselin ympäri, on yksipuolisesti kosketuksessa näiden kanssa m d – 2 – ja paitsi kiertoliikettä oman akselinsa ympäri voi pyöriä mo– lempien muiden laattaryhraien yhteisen akselin ympäri. 8/ Hankauskoneisto vaatimuksen 7/ mukaan, tunnettu siitä, että laatat ovat rengasmaisesti porrastetut, jotta kce – ie tus erisuurilla vipuvarsilla kävisi mahdolliseksi niiden vä– lillä. 9/ Voimasysteemi vaatimusten 1–8/ mukaan, tunnettu siitä, että hammaspyörien Ja hammas kellien asemesta on varattu laattaryhmistä muodostetut koneistot, joista keskimäiset si– jaitsevat moottoriakseleilla, 10/ Voimasysteemi vaatimusten 1–9/ mukaan, tunnettu siitä, että ulospäin tai sisäänpäin sijaitseva hankauslaatta– ryhaä on aseteltava akselin suuntaan* 11/ Voimasysteemi vaatimusten 1–8/ mukaan, tunnettu siitä, että käyttö siirretään systeemin kahteen vastakkaiseen suuntaan pyörivään osaan, jotka vaikuttavat yhdessä kolmesta laattnryhmäätä kokoonpannun koneiston kanssa, joista ryhmistä keskinäinen saa käyttönsä molemmista akselin suuntaisesti pyöriviin systeemiosiin nähden järjestetyistä uiko– ja sisä– laatoista ja paitsi kiertoliikettään oman akselinsa ympäri myös pyörii molempien muiden 1aatta ryhmien yhteisen akselin ympäri. 12/ Voimasysteemi vaatimuksen 8 ja 11/ mukaan,tunnettu siitä, että uiko– ja sisälaatta on siirrettävä akselin suun– taan ja siirrettäessä voi ottaa mukaansa keskiraäisen laatta– ryhmän, jotta koneistoa voitaisiin käyttää jarrutus–, nopeuden– vaihto– ja suunnanrmiuttokoneistona. 13/ Voimasysteemi vaatimusten 1–8/ mukaan, tunnettu yhdistelmästä hammaspyörien ja hammaskehien rsuodostamia ko– neistoja yhdessä jarrutus–, nopeudennmutto– ja suunnanvaihto– koneistoksi muodostetun kolmen la at ta ryhmän auocLœ tara an hankaus– koneiston kanssa. 14/ Voimasysteemi vaatimuksen 1/.mukaan, tunnettu kahden koneistoryhmän käyttämisestä, joista kunkin muodostaa kolme hankauslaattaryhmää ja joista toinen korvaten hammaspyörät ja hammas kehät siirtää moottoriakselin kierron systeemin kah– teen vastakkain pyörivään osaan, toinen toimii nopeuden– muutto– ja suunnanvaihtokoneis ttma. 15/ Vaatimusten 7 – 14/ raukaisen hankauskoneiston käyttö, tunnettu siitä, että energia kahden pyörivän osan muodostamasta voimakoneesta, esim, pyörivällä pyörijällä ja seisojalla varustetusta turbiinista tai vastaavasti muodos– tetusta sähkömoottorista, siirretään työakseliin, 16/ Hankauskoneisto vaatimuksen 7/ mukaan, tunnettu siitä, että laatat ovat tehdyt pyörivästä kimmoisesta ai– neesta. 17/ Voimásyèteerni vaatimusten 1–7/ mukaan, tunnettu siitä, ett* moottorielementtien mäntätangoille on järjestetty hammaspyörät etusijassa kuperan laatuisiksi rotatiokappaleiksi muodostetuilla hampailla, jotka kaikki ovat kosketuksessa pääakselin ympäri pyörivän hammaspyörän kanssa, johon on jär– jestetty koveron laatuisiksi rotatiokappaleiksi muodostetut hampaat suljetun aaltoviivan muot oon. 18/ Voimasysteemi vaatimuksen 17/ mukaan, tunnettu silinterin laatimisesta kahdella männällä ja pääakselin suun– taan järjestetyillä hammaspyörillä, joissa on aaltomaisesti järjestetty hammastus, joista jokainen on kosketuksessa kaik– kien mäntien kanssa moottorielementtien toisella puolella so– pivien hammaspyörien välityksellä. 19/ Moottorielementti voimasysteemejä varten vaati– musten 1 – 18/ mukaan, tunnettu siitä, että silinterille anne– taan akselin vaikutuksesta kiertoliike akselinsa ympäri,jota käytetään silinterin työtoimitusten ja sytytyspisteen ohjauk– seen. 20/ Moottorieleraentti voimasysteemeille vaatimuksen 19/ mukaan, tunnettu siitä, että polttoaine, lisäilma ja voi– deaine johdetaan elementteihin akselin suuntaan ja viedään silinteriin silinterikehältä. 21/ Moottorielementti voimasysteemejä varten vaati– musten 18 – 20/ mukaan, tunnettu siitä, että mäntä on kier– rettäväsi yhdistetty kiertokankeen, ja sille voideaineen f/ûf – 4 – ollessa välinesteenä annetaan tämän välityksellä kierto– liike silinterin puolelta, niinettä tiivistys aikaansaa– daan, välttämällä männäntiivistysrenkaita, voideaineen kaut– ta. 22/ iloottorieleraentti voimakoneita varten vaati– musten 18 – 21/ mukaan, tunnettu siitä, että ylösalaeinkään– netyn kartion muotoon, käyristetyllä kehittäjäviivalla muo– dostetun kannen yläpuolelta tähän muodoltaan liittyvän suu– kappaleen kautta suoritetaan polttoaineen tulo, joka pyöri– vän kannen vaikutuksesta painetaan ohuen kerroksen muodossa säteen suuntaan alaspäin ja tällöin sekaantuu sisäänvirtaa– van lisäilman kanssa. 23/ Hoottorielementti voimakoneita varten vaati– musten 18 – 22/ mukaan, tunnettu siitä, että kuperalla pohja– seinämällä muodostettu mäntä on varustettu spiraalimaisilla vahvistusrivoilla voideöljyn johtoa varten kiertokankinive– loen ja polttoaineseoksen läpeensä sekoittamiseksi, 24/ Hoottorielementti voimakoneita varten vaatimuk– sen 20/ mukaan, tunnettu kiinteästä rengasluistista, jonka sisääntulo.– ja menoaukot saatetaan kohdakkain vastaavien aukkojen kanssa silinterissä jälkimäisen kiertoliikkeen kaut– ta silinterin sisällä tapahtuvien työtoi;aitusten ohjausta var ten. 25/ Moottorielementti vaatimuksen 24/ mukaan, tun– nettu siitä, että tiivistys rengasluistin ja silinteriul– koseinämän välillä aikaansaadaan spiraalimaisesti pyörivän, kehyksen alaosaan päin virtaavan voideöljyn avulla. 26/ Moottorielementti vaatimuksen 22/ mukaan,tun– nettu siitä, että eristys suukappaleen ja silinterin välillä saavutetaan polttoaineen muuttumattoman spiraalimaisen vir– tauksen kautta, 27/ Voimasysteemi vaatimusten 1 – 26/ mukaan,tun– nettu siitä, että se on rakennettu kiinteään tai pyörivään kehykseen silinterimäisellä perusmuodolla, esim. ajoneuvo– pyörään, tuuletinkøhykseen tai sentapaiseen. Sl Patenta ii ep r Ak. 1 / Till a rotating aye tera sammanfattade motor element, hvilka Aro anon dnade UTI ett gemenaumt rotationsplan salunda, att de "befinna signal on in the same afstand from the rotationsaxeln Science from the HVA–randra, daeraf characterized in that the braennmaterial, smoerjolja och luft tillfoeras axially till hufvudaxeln and in that the de Genome de en–skilda element (Motorer) alstrade drifkrafterna Genome samtli–ga motoraxlar oefverfoeras pa gemensamma, koaxiellt till hufvudaxeln arranged mekanismer. 2 / Kraft system as claimed in ansprak 1 /, the action you cknadt daerigenom, to control the ball in that oefver drifmedlens tillfoersel foersiggar By means of has–tigheten for systemets ett par, men in that type of control af–arbetsperio Derna i motorelementen takes place by industry sjaelf. 3 / Kraft system as claimed in ansprak 1 and 2 /, kaennetecknadt daerigenom, att alstringen af into the electric taendenergin foersiggar starting from the hufvudaxeln to your ex.

By means of I s Denna sittande inductor, men tandningen sjaelf regulatedThe Genome hvarje motor element sjaelfstaendigt. 4 / Kraft system as claimed in ansprak 1 / – 3 /, kaennetecknadt daerigenom, att utpuffningsgaaerna from the de Olika motorelementen tillfoeras I ringformSd, the circumference at the evaenghjulsmaesorna an af–REPLACEMENT d daempni ngs November kam e «5 / Kraft system as claimed in ansprak 1 / – 4 /, kaennetecknadt daerigenom, att luften insuges in axial direction till systemets outer periphery of Science afgar in the proximity af ytteromkreteen, 6 / Kraft system as claimed in ansprak 1 / – 5 /, kaennetecknadt therein and, Genome, att drifkraften from the motorelementens shafts oefverfoeres Genome a axlarna sittande kugg– eller pa en friktionshjul faststaende eller tva vridhart Science koaxialt till hufvudaxeln arranged kugg–or fri ktionskransar. 7 / Friktionsmekanism, interesting, particularly for the Kraft system according to ansprak 1 / – 6 /, daerigenom characterized in that the said device bestar af af i tre satser PARALLEL plan arranged skifvor af hvilka tva be–Sitta to a common rotationsaxel, och den tredje, as for the det can be of the receiver is arranged symmetrically omkring de Bagge andras axel, star ensidigt in engagement with the industry och national utom omkring of rotation of the shaft to rotate the egna omkring de Bagge second skifsat–Sernas gemensamma axel * 6 / Friktionsmekanism according to ansprak 7 /, daerigenom characterized in that the skifvorna Aro i ringartade afsatser in order to continuously engage with the moejliggoera Olika haefarmar between samma skifsatser. 9 / Kraft system as claimed in ansprak 1 / – 8 /, kaennetecknadt daerigenom, in that source instead of gear wheels Science hjulkransar af Skif–satser circuit consisting mekanismer Aro foerutsedda, uf hvilka de mel–lersta Sitta pa motoraxlarna. 10 / Kraft system as claimed in one ansprak / – 9 / kaennetecknadt} daerigenom, in that the inwards directed outwards eller superimposed satsen f friktions skifvor AER axially foerstaellbar, 11 / Kraft system as claimed in one ansprak / – 8 /, kaennetecknadt daerigenom in that the driften oefverfoeres Cards tva a direction opposite to a rotating system the f ett par, samarbeta som med den af tre satellite ser skifvor circuit consisting of the mechanism, af hvilka the Mid–satellite of its drifves Genome de bada axialt till the revolving systemde–larna ordnade at the outer innerskifvor na och, och besides sin ro – tation om sin e | THE axel aefven, extends rundt omkring the Gemen–samma the shaft for de bada second skifsatserna. 12 / Kraft system as claimed in ansprak 8 / and 11 /, kaenneteck–NaCl–t daerigenom, at the outer och att innerskifsatsen displaceable in the direction axelns Science at the displacement of the national medtaga the mel–lersta skifsatsen foer att kunna anvaenda mechanism of som–broms hastighetsfoeraendrings Science omkastningsmekanism, 13 / Kraft system as claimed in ansprak 1 / – 12 /, kaennetecknadt Genome kombinationen af utaf gear wheel Science kuggkransar circuit consisting mekanismer by means of a som broms, hastighetsfoeraendrings–och om–kastningsmekanism utbildad af tre satser skifvor circuit consisting friktionsmekanism. 14 / Kraft system as claimed in ansprak 1 /, kaennetecknadt Substituting tva grupper af af af tre hvarje gang satser FRIK–tionsskifvor circuit consisting mekanismer af hvilka the ena som er–saettare for gear wheels Science kuggkransar oefverfoer motoraxelns ro–tation pa tva opposite to a rotating ett par af SYSTEM, the second tjaenar som hastighetsforaendrings Science omkastningamekanism • 15 / Friktionernekanismens according to ansprak 7 / – 14 / an–vaendning, characterized daerigenom in that the energy from the en af tva rotating ett par circuit consisting of kraft mask to your ex, I do not med rote, it is shown in stator Science rotor utbildad turbin or is a corresponding ut–Bildad the electro–motor, oefverfoeres pa arbetsaxeln, 16 / Friktionsroekanism according to ansprak 7 /, characterized daerigenom, att skifvorna Aro prepared at af rotating efter–gifvande material, 1? / Kraft system as claimed in ansprak 1 / – 7 /, kaennetecknadt daerigenom, pa att motora lementens kolfstaenger Aro gear wheels are arranged med som rotationskroppar af preferably concave art utbildade kuggar, hvilka below. Sta i ett engagement with the omkring hufvudaxeln rotating gear wheel, som pa hvilket are arranged rota–convex tionskropp af art utbildade kuggar in the form af en sluten vaglinje. 18 / Kraft system as claimed in ansprak 17 /, kaennetecknadt Genome cylinder, utbildning having two kolfvar och pa Bagge sides af system the axialt till hufvudaxeln gear wheels are arranged med–Dare tadt arranged kuggning af hvilka hvarje star i ingrapp med pa samtliga kolfvar (C) during Bidan af motorelementen foermedels temp–liga gear wheel, 19 / Motor Element for kraft system according to ansprak 1 / – 18 /, kaennetecknadt daerigenom in that the cylinder meddelas from the the axle outgoing I of rotation of omkring san axel, som anvaen–des till the type of control af arbetsfoer Loppet i Cylinder och af Tand–at point. 20 / Motor Element af kraft system according to ansprak 19 /, kaennetecknadt daerigenom, att braennmaterial, till skottsluft Science smoerjolja tillfoeres system the axialt Science infoeres at the cylinderom, the circuit in Cylinder, 21 / Motor Element for kraft system according to ansprak 18 / – 20 /, characterized daerigenom in that the kolfven AER pivotally connected with the said device vefstaken och som oefver smoerjoljan mellanmedel meddelas I vridroerelse from the cylinder, sida, so that said the sealing astadkommes med undvikande af kolfringar Genome smoerjoljan. 22 / Motor Element for kraftmaskiner according to ansprak 18 / to 21 /, kaennetecknadt daerigenom, ofvanfoer att det i form af en omstjaelpt Group med bent alstringslinje utbildade locket Genome till ett ratio 3ig till the mold anslutande mundstycke tillfoerseln af braennmaterial you foersiggar, which in fora f ett tunnt cover layer tranges radialt outwards and Hereby the mixers themselves with the tillstroemmande tillskottsluft, 23 / motor element for kraftmaskiner according to ansprak 18 / – 22 /, kaennetecknadt daerigenom, in that the med concave bottom–wall of utbildade kolfven is provided with spiralformade foerstaerk–ningsfjaedrar for conduit af smoerjoljan till vefstakeleden os–h genorablandning af braensleblandningen. 24 / Motor Element for kraftmaskiner according to ansprak 20 /, kaennetecknadt By means I fast lid rings, hyars in Science The discharge openings is brought into oefverensstaemmelse with corresponding oeppnin–gar i CYLINDER By means of rotation of the senares i och af arbetsfoerloppet for controlling the inner cylinder, i,. 25 / liotorelement according to ansprak 24 /, kaennetecknadt daerigenom, in that the sealing between the ringsliden Science cylinderytter–wall constituting verkstaellas By means of a rotating spiralfoimigt against hu–sets lower part stroemmande smoerjoljan. 26 / Motor element according ansprak 22 /, kaennetecknadt daerigenom, att mundstycket of insulation between the cylinder upp och Nas Genome braennmaterialets konstanta A flow helical, 27 / Kraft system as claimed in ansprak 1 to 26 /, kaennetecknadt daerigenom, att detsamma AER inbyggd i ett eller faststaende ro – terande hus af cylindrical grundform, till ex. ett akdonshjul, ett eller ventilatorhus dylikt. T'iooluei Gril'o. iedo.Cf, Engineering, Berlin 7.9. ,., ot «de» n3 stainless steel rc »b.99_____7 * • yoerivaeksi kokonaissysteemiksi ylulist.e added and voituaelyizieiitte jj, especially noo t tor ie le men te s j s. The invention

relates to a rotating voiraa'syr teeniin the establishment, either has been assembled ry.bnjastae private voiraaeler'e nttejae, srikoi–the ioott orielexiisnt you a j Iv'ilLf i t r a moth miol'ae you one; paeaemaer' * tu–011 remained a ikaansaada or 7 years iva–iMsyi toanii, Having mnlidol lisimnuin small space akoe'3 Ji–lin Kehn suns.itaan tel.on and huiiiiapyoeraeniBssavai effects of being uit '? snuritnan to toicelta side of the fuel, air, and Voitl–Saina johu, ii / ian sys t eetiiin its axis, and the light opment t.arpoelii as to the power of different eleraenttejae for being developed as well paeaeakse 1 il 1 a or the use of this voiisalahteel l 'l, half a measure, self–ignition engines, as well as various private Lyoejaksot Group trolloidaan independently. Sdelleen made of the system allows it possible to moottorieleoienttien high working speed and, consequently, a large mass of power paeaeaks el in the speed of rotation sion s in melted te el lis eu pi 013 ed, as well as, if desired, to, 'jopeasti propelled by the engine volumes yvin dispersion model cooling is achieved. Hush you, as well as their own private eloirsnte Us; '.: is you bu'i e 1 – Easy with the series fcapr \ iai in the known systemic few parts, apply the system and the labor supply through yksityiseleirmittien s 3 at oe, etc. happens according to the invention the intended aim is achieved by its engine–1 erient path connects through a rotary aenisen i huimapy 'iraeiJHon–FU1 »rnno–doatavaksi as a system, which is located on the main shaft and the periphery and are primarily moottorieleraentit such geometric shafts against this perpendicular to the plane of sijaiteu, organized, ett i geometrical axes form systeoioin and the engine e lin between 'right–angled crease ylidiii an acute angle, and private–hui icapy oraeiflafcsoillaan with rooot toriol roenttien the axes of the head;' axis and the appropriate puffins /.iillae, e–tupaeaessae haiauaspyoe 9/ff – 2 – ether, are covered in Regulation Wed scenario similar to the main shaft arranged isesti h am ma ke s hi I, one of which may be fixedly or both of the thread re t i Tavastia organized and 0 rikoiatapauk–sir> in a second can be added from the waste. 1'un jokaisella.yksityisellae elaraentillae is negotiable * Bille befall only a part of kokonaisvoiiiasta are gray, rr; c.sp and i oeet only minor. Hu, moreover, the ratio of the diameter of the motor elements can be located in the axes of gears and five HIV–as.kehien–1111 * 1 is very large) engines can work at high nopendella? System, this structure allows one of the effective huimpyoraer aa ti / Aisen only with small nittoeineen, discipline high aopendel 1 rotating in a private elements huiiJapyoi \ aiiiassat at the same time act as a system of mass, and this effect is exacerbated by the son krutte I; t ahe elements are located on one mp CONFIGURATION days of each other central periphery of the system is further clear that such a system, if they lutaan, received an adhesive elements of the effective cooling arrangements therefore. The evening comes in to the system axis and the i–ietnt per khaeae. 3e then cooled ohennukaensa of voinak–kue.asti, so that the cooling system is much tehois.jsripi saavutsttovisss knin–art systems where air is the other side piperazin–o'Uitetaan on all sides, the other side of the elements are located in closer to the shaft. also be noticed easily, otbae s / aaentspaiiien system allows polttoaineenj without cream and material input shaft lisuuntaan my sister and makes it possible to control the total income of the rotating or.ien lietkellietae the speed of rotation, respectively. In such an loeybyy dreams piiaeaksel in three different lupeudlla around the rotating parts, namely the system himself and "ueoleajiuat hmrnaskehaet. In the latter case, forming part of the invention is suitable for h | 's nkauskaey tolai you are particularly well developed monitors the engine driving force reception. sour whole milk with pM–siaspa three akseleihinsa with respect to only one side of the plate in contact with each other or sat. at the groups of non–z_ * m before the j 'in the inner group are arranged sauankeskei operations in the other, and mutual association HUR i that is useiroiaiten jrjer.tetty syimye t.risesti the other two signals rsks yupaeri, "Alittle Lohkotuksen mois–up ie the uuiden between. Such an interpretation use u you voi.samoin action jrrufcufl, r> opeudonnmut to–now. suuniin changes to the Tonu is s is s '..–il's it: i–p–' itsi it OTU, remote users Mickey re <?. k ti o the power of t hairu / iispy Ori–tween come fully Liyao Yuan Sh vaeksikjiy ti * tyiksi or loan is T To set the machine is ok voiva s t s ––– y iikoin toir'ia KSI–tyiten elements hauwespyoe.rien ji '. their contact with the fire Sessa li.airimoskeL of GMOs as a replacement in «. Lia of the k–iyttoe3 in flat oa the one peculiarity in the various ryhroien lafkat not at littoi.jM.sti not koGketuksessa each other, but only indirectly on the VKI a wave via high i do in and le–at THE holes to iivil i ikke er] the cover, so that just about any harmful friction to occur, I "iueh they nibble s?, east, vaeJineste that should not be such as sanankeske isesti operations jae.cjo ~ l'unk in you. uslr. atoissa sin–gautetuksi rain suuntnan uiuripaein, v–iu–t rjoloeupisn laittojen it has the opposite effect of the ventilation openings seeks si pe–ys ~ 1 Provision for connection –. Hentonsa 1 »avoid withdrawals without LI5, TAST s c.vy st is' rj ueskiVan need Meanwhile preclude the use of expensive oil, cotton wool can be,. nycs use cheaper imita only suitable viscose tee t i s ill, take – 7 aepae.s: vGiinaviivojy faults. viilillae tiles. Besides edist'–'i? JHA this type is ti; okousi st o power system limits the father of tet–framebuffer mode making it possible to konseutroimisen. Briefly, the offers described riootturiBysteci to senraavat advantages; a / llyvin vhtilcen the extent of yhtsydesa? * cl pig in suuu–nss in b compared by t e le cion the number of entries an and, in practice, the work of the shaft expanded through the introduction] 1 SOU of limited circulation to lu the moon makes a new sy s–teem laahdollir; KSI achieve undertone, –] strip balance k "iy" '. toevoi the opposition between ji's and con's of y hdeimmkair> erauan the movement of the system of rotating speed in the direction of the purlins ollessa.Jie–1 iva 1 traipse. D / ISlaiaenttien iiriioi benevolence remained high, which may:) ysyae luuut turjat toinaufi jaaa see e.1 in the riopeu–en uniut that asukin. Pf to – 4 – o / I i ri space sateensuunnawsa. 1 / Polttoaiueen cream and oil supply –. knnliju sniuit–i, – u. O / Vir ahte or an r. "A teen.auun.tn in I j 'i RJC a tel y V * IKV. ie a union of elements ty ty / = urii'taa for. f / ',' 3eurau eeua d / i'. t "and e /; • – "tm VAV 's support k, 1 ani si a of in j when. ROLT to ine I, vuideol oil;> and ili–jar of income or current Bedbug v: WTO team indukturin moth i tr o 11 ci 'i's, they can offer active Tua <f py fs i of c', is not the government to. g / l of at least io.it: vm liankaushl viu s ii knyt the can t ai te the different–soluble preparation of poruni le e] 3a. 1:/ I oo s cor in August we nt to the way i st o imi va te i–oi.sa j "" iidy i, y p diva kaiten's one i can not for the li–'.?.: Mcottorielei–aont the road right–au Laad in a cover remained stallion, dirt tt h is: 1 "• lyvaeksi a x–axis in the direction of the father's and the conductor's foevan sy ty job or swim and the mixture tu ti st, voiteluoeljyu rotation and a top hat tap the sh tu visualization of tyoetoirai, product names si »pjoi? ikuin deep by b ykoon control! inta for. T'Uluin Vice ta.in sal 1 a manner as betaysitseueiisss i–flow f, a ue li ke i iv 11? t o–«ut, i.ipin» i rnto <lofittlsta v> i 1 it t–; 'v at you hit, and the?. KSI pikrjllaa?] no–vina and ojaksi rotation. beginning with the F–eki, enthusiasm According to aaavute t'koa E'a–k –. uitt *; ett / – i one in to your e rill of the engine?]. ici the drawing–up days or ir–IIL Yikes. i! ': gi54 cycle! iike al irreversibly to revived:, row:; at i k iar herd ke e? –! co–cl

is you t–il Student Union, Vn t;, s n voideijljyn v: 'li', y kaeellae v "–>] i ai they do a <aj e–mu i–1 acts as a tiri the air into rira: in'i married yajpari placed kliats'5 ring 1 xist i; | / 1 ye yd esr.ue stallion ltd v–1 hi si ia te ment with the already tkn • | iolenwa t ovnt network as you research 1 pikul krujukoil 3} to the appropriate e jsnnetkil–la peittiivp.t each other. ue h'oal manner ignition occurs li o trollt) sucked them on the si 1 in rotation with v'i 11a, a key ka ty s the place is a or a–la isolation ty.sr i ka ai, such as, uy olie ukums in sel. ontukoesbetasa he's clearly in the east. ae '. Yoo one tyiaelei'ionteicisa k'iy was full of loose material to the ininnaen j? top hat v 'module. viijkoniteet cent of oil. l'directly through to not only v'Uteti–i aa} i te ir en el 1 large ka ma * n–cycle and marries an si–cylinder, but between manoin come in n'–t "ti 1 Viy Koo's IRJ h i.in 'ai and silintoriD. yrs; ililla rotary oil rendered redundant. kaimuen wuka.Rn modo–i; »Lu rvy.tQftr h, i, we offer you including a picture Parnioonise to the bonfire," is un. dg en Pub. Akiini i – the 3 'of the human way I was, df, t * an rotentiyalinn ereria Vik'>:: p lie in and kob'Vlfi J.naa–'jirtftn oeoorgiian' | d those tyo.ik part of the game. " <.::. '. tsi i y ksi tyisel3r: c: nt–road lijmnti "– only 011 siiiintaaii syf–axis; teei / tr iiiii–i 9.1 orno private–nt human toe in a circular nutiden extent ol ts in etna, in the dirt curds t i t vp fuel entry and ignition work tu iiai i do not tust ol; aus t j> 1,! lij–sensory j.kseli t, veut ti i 1 i t j. approx.0. Objective anr / ht i s in the j –,. Oeste rj ly ss i–inactivated i; olionaan, Ikyoeriien ifiiintien lm si Iinte rio21 charge;? Lotta ykoeityit j] c we ntei i'jsi 'Yuiila; vo lwos eaullis e st i Viy inventor 11'4 1 <va ti mi i k' y s te ai 11lii the yktey dess. 3 with d–iv of the sheep you tcisei – kr <ue tukseea come into rotatiokappaleita, which luei.fcn p.yo," the k'1. "1.luva t are lofty and.'s right it o.1 pyuer un–include '• over.u1. 1 y i Tua. Jar 0 si'1 i «jii RJE's T–3'tMuen ku * r, {i itpoat pi1, 1; three ii D keiessti kiiuteur'iiseen axis] iinsa, / k di st.e good 11 wheel tyopir'–i'nlle suljetun.viltoviivai], the j »concave knMpaat sharing ipy–r, jn uin.ka–ar. ' toir.euele pyuerlle and j is the j '|') kim'i ii; given e 1 e 3 * 7 ilitotyoentoeliiks, uiiniirtyy t u) s sasira / iise »pyuer La rotary motion of which is different, however, not only va– ib.totyoentueli ikett:. i: State–of L'ittaa pyoeriiaislikkeen. Both sides can now laoottori–'|) t leilien you and 0 in a member. RJE's value at; – Happy> al to ma is No 31 – li: td–un. ', s tuk–public:: iiodo rtat the main axis of the wheel base] le, j * "oh od o scale jokniusi.1. s I r? – lii'ritti k ud la Doel. «Des–j '. k – ilia, IOI?} d \ k'uival] a la Usai, for example, '. Vd! – Chloride rd '. Tinlla, joissta each of the hedgehogs yi Uia you. ty 1]. limnin.si 0, y – r Ill 'i vhue.eu 011 in contact with sa.ial if oiomis. liaiuaias Tuksi tu, 'to make use of the whole ni ir rs ttaeisi in vjwl rnuaille hemaspy oriil wave 3 mv: i isine hanuoa g tu 011 KSI them L '.' iy t bel ai t I k iy tt: <iniuen keksiu–ion opening ais and s and a aook i.ori bladder tea «sa is particularly simple in allows si of not only high speeds, damraa spy ori ra ke's i was essa make the right t aiuae visit the hell out t i st o natl ramp up doll is a ton of s iirron i–ioott oriaks?., –.1 e ift pub. j: v] kinn.isten ot–ie circuit t i t axes, the arrangement?.: n33e:.; «a, ie 1 v 1 i> i] TFII it ~. y? • you ENI 'r'V "a see e] i in o–Swim. Olieenliite certain piiruoetuksiir: in describing the invention jntku–7 r ke r $ a} ', L es s ty see '5 iu.tjaeri 1 a a> j ii? s: iuo il is No Sun. Figures 1 already. 2 o va lv so it's oline yijaekoi rylm'–lation Yi teeiir:, – # 'r io Ti'3 X–1 tu * A' noo1 'health lei ementtiae Pivo. "Ju lei kkaufe KNV i« 7ksi–tyiotfoottorien 3 uro 91 ri.49 t AKF. ovwt 93, it marked aa, o1–i ', | jr |–i., f and u "> idyn ooitoc ie ue |" k • soli t "bj 1j 1, T. " ". FUO r0 cc –3. Derived from a 3 ut iv> 'i \ n onion pvikselii: c c' Kjpi, *; object? huvat i–tu–kssr INFOR M ATIO N j is connected to the j •: ». Ruthie arrive at d 11 urban private moottoroihin with vdlitykr. el ll topper input and different tyotapMl" nuaien itnon £ s running right. and t of. rr–l–.YjiuelLi–'ments and _> oiGtnvat: • il into ro ir–1 ue or vaipoilta pipes el: IPI »kr, living in Gonankeoekei 0.0 * seti j–, * rj9Gte ttyyn annular vaienvV!. ', – k' 'f mloon gases derived from the g–an IIS Wed Skei–s eoti OI Wir. and poi'–. ~ ti lv st kehriin, I, y also call oey tyst ty: i–vr TSN nn t?, r Koitukoeuraikai 3 «st i tu resources as common to all engines, not described in the vi rtl:" lide, s SIA, "ii'nuktori, which is located in ky or] Sat or juto t I.I | used Isaksi.hanraa BkeirUi marked and li, j yesterday with« kr; «. Wineskin a Td, 1 '", 1'11 RSI fell to fin fc gears j, j 1, J's are ko: k–ohms iiji – ehsa, RIAT:. Haupjakoh i i ft ao va t either:, io 1er1 na ki t er – rsttaevnbetaLi jrje 21 e ty t, t, or toine.o is Aoi j 'to t ty s second k' inteaenti Ordered, Rute 'mvioist3. stood visit the swamps, the transfer – or The each gear j just your Moottoilnaa month: ltf 'n aa drive force ha.11.ma s rings. Hnumaspaine can si ie engine by groups in the fight ko k oa ai r–bogie is in the large was, "pu k you al I lie a little, then 11 s e L. inriaepyoerien large j f> y oeriraiessnopeun is permitted in s, respectively, y i 'see yinmoo i; monitors gu uri uojeus. xksi tyiijmoot monitors the great work – ro–ny os vjus is Rrjntnlnlen allowed, was looking for passed on? / v.ana;.1 py oe2risn j. bM'JiEJiAskbetaVjien and h between nuh. teel lison giriri, then e ttel uKict rotor speed of fiuuren each of p '; jakr.elin kiortornopeus v O fa «, moth–Navy linsn, unurc.0 suvai taeevaiautuien T–nsa5 '»g with respect to net k ii you the least especially kokbinnoenuukainen iiarj kaiuAonei Gto, kn.ten inyoeb.eiu2oeiRtae nalos tukei'–tu k 4.Y iImi. Figure 3 illustrates lifj »i« aaspyoer 'll ityksi ri, joista.koneis–ton SYG teiniin to fit different NCI–idol 1 iguuciot voiueo.nn' javaita. co Huvathan three sectors 1, K1} in a wok, each ISC'0, and has a moth sisHynipyrnsae is in sector 1 Unchanged Spii.litta p, which can act as a stallion ylidegsae laepimitte.i speaking outer circumferences of <plus or minus,, q_ £, q_31 q_4 toef.. – 7 – and a st vu av ari ion diameter haiimjasp.y yj. ajj tvi jrp,, 1–4, with raoott.orif3leraenttie.il okselei 11.3. rector no 1" 'is the diameter of the iibaii q. ulkoireir'lle auui.turiaton and si sa develop in–1:. 'pi–.it the uuut tuva, and r.ek square fo! "luka i have aa lo oo 11 or j. – kfi s not one of the 11 a bai –; mon spyo road to the laepiiaitt? – converters op, jotavaetoin foreign and s plus or minus r '\ spun in to shovel away snow is variable, visit of the * n:" nossa not ionessa case, the conditions recommended kiii id. varaariiita i loader, but only the outer or siskehaen former, which is then fixedly arranged. oysteeioi only on a flat–sic "'frames / o is esiru, pictures buna.s in figure 4 (c), min rotates around a inuodostuu shafts of the engines in the u–vina h7i / »lastlyoerineen v and w frames of the hedgehogs pakkoliikkeises–ti of the combined system kapilaatasta x axis.> L: ia 'iuseos johd'3t of sis5i axis and enters the channels yz and just off described in lines 1 through engines, onmnlla usu al 3. g into lotion oil sioeaeaen, Virt <the hills «yty ly. – • 'i.' s * n is the direction of the axis sarjoin organized, and ignition is conducted in private moottori3lementteihin insulated wires 1 '. iioottoriaks el bs u rotating scroll wheel iisoesg v along the shark's raw round ae and will use a? through the xia. the air comes out hundreds o is a key reads the annular channel 2 and 3 au.kko ~ jon sweeps through the frame and engine over. in Figures 5 and 6 kaavannollisesti is described a fitting in which aa aa e 3a and hanaaaspyoeraet frames are replaced during the three! aatuiaista blocks the size of the pan with one set intervals, with or already described uroi characteristics. outwardly located laattarylinm 4 5 rotates in the direction of arrow direction, sii'i aenpaein located laattaryhm O 6.au from an I 7, and there–described system the motor rotor can be found in aksele laattaryhaaeb 8 in the direction of the arrow 9. At the same time Sun stallion Selectable vaelilaatat'8 sys–min, who is thought of as

being in isolation from the axis, the rotational movement in the direction of the arrow 10. In order to keep the engine phase, found in the ketjuhanmaspyoerat axes II, that are in contact with the common hannasketjuu 13. haattaryhmae 6 poikkikappnleel Sat 13 pakkoliikkeisas Tue compound added to the main shaft length sunnas sa si irrettaevaes L i lever 14 m – e – U can tntae lianimaslaatta–rylimaeae move toiaeeu or the other to achieve the speed of the conversion or empty business * ueiirret supported by S Sa having them develop ski "'i and you sat at taryhrjaet his family. Tl3.l loan koneiston.yleinen the mode of action of the r–e are purchased in FIG paraiten, 8, and 8 through. the figures, the tiles are four swim D o.ry Imi. S Sa of forms; s research ka.H del net–works with an annular por 15 and 16 3isaeryhmaen 6 tiles as well kalidelIm step–askelumlla IV, 18, j Big Dipper brought tiles 8 viUirj'Lml. At the same ill. 7 aufcafiu can present flat surfaces, or the same ois and the two asbilmaa 1?, 2u, k.uv Invite, 9, in the 3I.UV. 8 and 9, the tiles are keyed to the shaft 6, and |. Combined system along the direction of the rotating os'iue and "Ikelaatat 4 along the direction of the rotating og 3.n with. V–lilaat to freely groups are located in the rotary 0 * i and the axes SI '/ UPTIME jointly rotate around the paenakse li. JRI–py uerimio uutirat are expressed by the arrows in Figure 8. Car. s is the EMI that. 8 tiles rotate around the axis of the SI, where n! sucked to jjyoerie to another, or along the direction of paeaykr> body j?> house. Figure 9 shows three separate sections which correspond to three different positions laattaryhiaien aaebien each other. isento I corresponds to Byateeiain fcyljjanli visits, one cat at 8 train one room tile 4 ti as myo «k 'an slabs C, or both la.. it talaje and only very lightly, 3i yn ny's no use, positions II and III is always achieved. –. not Amkaan.kuir. s is: more laattaryhma emmulie Tue transferred to the right. Jiiip upon one or other of these positions tonjituu Medieval the 1 s barybmaen 8 rotation to the right or to the left, * ««. * 1 oa 1 in II is a lever that the tiles Q touch laatto rolls 4 stringency tapktuu, longer than r. e} the av. un ka plates 8 k o • 't us tile C> kanr.asa place; 8 tiles AIIA WAVES received the case and l '. atat–8 running plates 6 in the direction of the rotation axis of y * ip: iri. T 'an'! ruunaa opened Ihto is tlydel Lee ri ip Framework is the one at the engine you h O" s and remained 13 mi ri «speed, sulultaan in order to ULAR Profiling slabs with kav.7 'structure gauge sat at MODALITY 4 pycrimiasuun to," XI ois sn 1 ouUtsryhrmn, 5u9 ttylu can uyc »t>: wj. Sitn, ottli hope of L–iacturyhtrnUloe is nu uro! j) i brought this ione.i '. effects can ilaat toiliin, so that the rotation direction sansile.00, 11 e can daon s' aids Tua Riiv 1 ivol to io ia no peur3vj.i litho and Toto k'iyviit * = * irikuei IGB jaiorutuR you created *;, orikoiet uo–eudonvo.iljto and oral non vo, il: to Group O withdrawals torpset Lor.: i1' i–1, T bricks or The o, i ij is «a question no i? sto ir No • va t io oio yy you do not do t 1 o. No. tt o–jn v–'llll' very peony o., Ly vi ri v, li 'i.Li–ot asoe ttolut riittovcit ri s ur f * isn role, Laboratory ToiHiJ.unteTi n L 1 n _a «u * of ii? • e 9 nluu No one acting at VNI–kutto.vat each other ennemtain ni i il en val Illo. vniirutt, "von no <,> – tion Vout t ku ku in suorsmisgn Lan us ko g Koo rk, such tt ~ I c, then si luyoeskiiaen wit il SETUP oimreupia a olinouant Alfs international pressure ia t, –. RV i–1 withdrawals brought to the "i's against the so–called i; | u'istomiseen. .) ys kaskiiue.; Ussfcae plate is key–you did.> v,,., kulo1 'iuv, and G, 0 Uulu–ton, then it can be vjnin rotation speed changes saovutty.0,, • r–llrdnea Ib to the question is si Mou is worth uoeiv1 enuuut tokona in a ton of month * £ 3 i 11? However, s is the ait> 'ipaitoei talloisin konois for thesis oiainainio, benefits, and can be replaced by e–yfteetain Hsiujiaiaepyoriu, and LatTmjaskeL in,;' itii Tavaila si lia no oo u de n va liitoko women toil k 1 a right voidno «. No v 'u t a. luv, H o sont of a, ai ooi.uu1 top it. 'vitukoen tn. in feu; '. 4 | '"to <. m, k nk to swim in use to kone1 i ot y] j u oo sa toy, yeah ir ko–ri nod to step in Itarylniiae.t 0u; ni3 62 and the rotating sisoeisliae. g:: * na rv oi $ o.oien oisrkiniuat are a ton of s as kuviogso a, at lm to the already profiled • ni noe the right not described in the «* sri porrost'aklnpt is oa" otoik (r) i 'j * v \ i ~ »oeti!. no. iy in the j?! kuvauo in the o–toj i tom.jas takes aa–rskks.inao vituksi essa i i would imou'o, i.tavi: –; roll. linsipyoero. ril 44 years it's the \ 'iviko, flo niintoo, in question is yldir l.c t–ty oio;: pnol ioeen loattti groups. 50th power supply rotates the rotor 47] i is the no. chairman o ri s no 2's i} jci ooiooj, – »46 d ikykbetaen« with. il, iy tt oel it.. you do not find the mode ky iliad. mine. tons of e–dol 1 ici 9tfi eqlofitukbetai «s ii plus or minus, et la oeikkaper '* lvat i lv question? t l * inn –. rkyt t'i. v'st hp.rv * settoriil pub. jluvi'it one! i j?] 2 show ko'nyk «?'s, jo'1 is? •;> '. Thurs »a question in the IHM!" is j" r ely rivers is ouljo'Jtu. lvliys nuiotuttaa tak «'ttiiaen k ~ iiypifc–*. Li i ookan to. 43 voidaan.yhdistaeae pn.t! 'Ijolit'), i, u, e for 30 – Lu – s e n j. Oisj was tion for by ue s ass T a il L.UV. I 7> fio it Ils the e i nn ue nun in all 30 of the 1 ai '. Swim in La–u, uo already ac–ol k'ipy oraere'igas the end of the vortex' swim 'laeybtoe uuu loan van word as stra and remained Urtti SI Fig. According to 10. Connect with one another tile price of the Association, will be a roller FIT outer and aisnlaatta–ryh'maellae and spins at the same time remained oeraeakselin yiapaeri in which the movement of the test to pyoeraercng s and, of course, will be included. roeggas replaced with a top hat!: 5g 11a O–.ma 11a, Vuteii? ilkkuviivoilla 3rsite Uy, to lmimapyoeraeitiaaaa that Isal:: I; mother si Oiuan is tt Onna, which could be kaeyltaei laeyttue–jj–or " NA axle or visit ti, i hna oy or a –. jjde 11 in it's iny t'5 will also call out, ytbae orikoiston nah dol–li stiuksioen. "" srusteolla by the use of the device offers, aj oneuvopyoe–Riosa use it to contact uyr; teecxi.ssae kaeytottyjen iiannaas tab by speaking with the braking –, smuui anvaih to–and no oeudenmiut drive machine are fcarpee ttooiksi. kaiuttamatta. <000 oturin speed and power it is possible to gradually move to another arbitrary speed, brake and drive backwards * in this case, is the use of small number of jobs, performing only twisting, and fuel, wax material and so a simple input due to a very reliable, so that such a system will satisfy has escaped in practice to comply with., as already mentioned, is suitable for orikoisos ti k <'5 ytattaevnkni according to the invention systeeuin the overall structure of 2–uitteiden • ij father motor el enien t tuesday, in which the same way as naeaesystee–going fuel input is done pmaeakselin direction, and a top hat bell tower tuvion tjo work brings as well as the ignition control kontrolloirainen happens rotating parts through. such a motor is illustrated in Figures 14 and 15, of which FIG 14 * indicates the direction of the center axis of surgery, iiootto rielenitin–through, and Fig. 15 in a larger size piirrebtynae section inoottorieleraentin top of which the fuel–mixture, the cream agent and liaailman input can be seen iluton in Figure 14 above, is part of every 1200 btorieleioenttiin mainly in top hat 21, rotating about a geometrical axis yopae M 31–phenyl ester, i IMA–tat the bottom of the top hat end kartiohamraaspyuerae 22; thorn is in contact with the active ttori woo a pellet 23 located in the part with the kartioliarimaspyoerari. iioottoriak–88lia, use kiertokarki 25 Sizes Tori second part of the shaft 231 to transfer rotational movement of the motor kehittaehaen v–'I 1 illisesti or you can vaiittoeJHAoeti taxable vastuatufcaeeii, or both saaan–keke to liamiDaskehiin. ILahdenpuolisesti both shaft portions 23, 23 'is more than a 26–huimapyorawass organized, the slide motor shaft rotation siirretaeaen.silinteriin 21, rotates the orientation of kartiohcanmaspy 22 s. 24 of the selected diameter ratio of

the side says ttoriakselin rate of fuel ni • aeaentul is and swim No ewe non uurMii.akuin juriv 'ing j '3 D; JD "ii" I; ue varten.halutulla manner Pyvrivaen!: ili:. itoi'in around 21 oc j – 's te s RJY diaper ty –.7} which is provided with a plurality of holes 27' and the sheath–s ailiuterisei: Uj.se's uan'onttouden in projecting rounaosineen. Iluepa? iss:> jacket is equipped with a ball bearing 29, with a top hat 21 rotates. r i 11 I'm in a ball–ri ke aa 1 is reserved for the purpose of mutain at Tue jjiyoes Bottom between the shell and the top hat. sheath 27 is formed kartiorjair–eoti, wherein ah taampi part of an un–directed downwards. Alapaessaeiin a sheath iniio–bearing parts of the shaft bearings 23, 23 * ia for bearing; ikuor. Top hat keliaessaaen 21 is provided with spirally arranged ribs 30 top hat AELicise more on the strength KSI, top hat ylMosassa different koikeusasennoissa openings 31, conveying and palamiskaasuseoksen sisuanjohtoa ueenokaasujen uioslaskemista »IHiden openings kontrollciioineu place on the frame 27 secured ring 110 ty 32, which is provided by suitable openings and veli3einill> i 02 ', with a top hat rotating between these without number lapilaskuaukkojen «yLte.vdessa phenyl si ul. an e ri duty cycles is controlled, iilamiskaasunoos power envelope: m 27 through 33 in the upper part and penetrates the partitions in the top–32 * \ si side of the top hat "reads, while r *, enoko.asut this yl–* of the wall below the palu *? to the gate of the <: 8 j.iae the f? 34 is kuuiani–velelli" 35 attached to the end of the connecting rod 25, and the fit is prepared in such a way that the connecting rod length setting is n'viratty m 3 percent wahdol linen, so that bit stuc period may viiviin aeaecaeae is ijttyae–rj 'h ay use' – 'i–to v \ <. ing: v' in i I sat part of her on.finta 34 g u'v. ovuet • tu; No tax paeaetese inii–Malua 34 1, J thorn has been confirmed piraaliuuuo TUI's a 11 oi poikLi,.>. – i–uaemil3ae 34 "with r? East. paitai u, j to be juULaa ueljy ball, my brother, ivr.i.XL t'i.:. Jui GGIIG vajjMfioe i k i ti ti t Li CJ i> ii 1 1 i 'in October.:.:) –' ti i C j Cl –. jtaaasi I io L i. ter j ki jr t; 'no'> s J fhfUi lv shed. iU.kaa not i.vl j j. in the vHlil: 'i ulahan UEL Jy ile rr i> kae's p'j rust oe 1I a i'aeur–a via avoid the risk of parasite panel Gauraur, iu3n.hnkauskockctus my Lints circuit ju i – 'ri ji; About 3 ms Ln.ll i riiito those of a competitor, a measure, a half–Laa aiodes v \ o ~ Jempien eiuhiien between the circulating oil of good sealing properties, instant slide ui.in efbae niaennaentiivistyrenkaat, and swimming in grievances or Beta * Mouttorieleiaenbtien described in a turning movement, k, iy eoille '2 t1 s mueuettoriel'jiaeiitissa compared to the tunas l tviiiiin laoo The new rieleitfsnt tsihin is "ain few Lyoepaikkoju, and fcutiii primarily for, '". oaku top hat today in kiertoliikkoun ktfiibtu control take place in the word. when guoraaainen difficult to believe my first uaeiinaeu Directors and silinLerin there is avoided, there is also wear v uh" net of a Fuel derived by the action man in the direction of rebellion! j. "– Blooded channels ob is ristetyn yloesalaininkaeaennetyn kartiun luukaan the molded lid 37 into the recessed portion. Jiu cover 37 rotates, but above the wall of the capillary laepikulkuaukkoineen is fixedly arranged, and provided a mixture rotational movement at the same time keskipakoisliikkeeu, such that the thin layer is spread and mixed with the close Tue 30 through the funnel–shaped openings in the sieve 39 with additional air flow, at the same time is achieved through the insulation suuka2> service is a top hat and a constant spiral of fuel from the flow due. Ky lin H service. amskaasuseos cooler, moving further into the mouthpiece 36 oh jausreukaasee the Z2 up to 1 iute ri riu Hl y! part A, and will be for temporary translators in etulaeiatsi to KSI ty, t; nneiiku.iii it penetrates the topper. Voiueoeljy is conducted in a pipe 40 which is provided adjacent the pipe 41, through which the lead–in fuel takes place. This oil arrives at the ball bearing 29 over the control 9 / r * – 13 jausreiikaaseen 32 and flows ohjausrenkuan until now. cil in ter V 'Lisa intermediate compartment down, so what lubricates the shaft bearings and connecting rod x'engasi atiker ia. 3i be in one circuit ni \ 11: l to r of the piston–iukaansa up and passed to the dispute 34 "using the kuulalaakerisovitukseen 35 between the piston and the connecting rod. Jiuv. 1 and 16? Show some souvenirs of the system is vae.nnoel–.lisen 'V'. iori fcuksen, and indeed shows in Fig. 16 "! perpendicular to the stitching in FIG. 14 according to the response, and the ill, the base image 17 By–fcytyssovilukse s Pub. Equivalent parts are marked with the words marked as shown in Figures 14 and 1G. Attractive carton shown in the control ignition spark. described in the main! isimpine with parts 47, 48, 49, 50, 51, 55 of FIG. 18 usoi the engine's elements Kokona ISJ AER s:; to the short,. y otei, where, whose one night drive mechanisms are not described a:–setting activities are apparent from the Figures of the input channels 52, 53, 54 of fuel, and air voideoljyae axis of the system. through. 1 / system rotating Assemblies of voimafementit,. ikoisesti moottorielGiaentit, characterized in that qptll private elemit are arranged symmetrically around the payfcselin amount raetylle–f and i le del September of this and yhteiseenJmfertotasoon and are one teenliit e ty? Imimaojifraem k individually as scissor. 2 / VoiiDaSSteemi vaatiraujpeen 1 / included, characterized in that the plaeakseliaviastaan arranged perpendicular to the plane of MENT oy, 1 mole of tri tt orieleiaenfWen it's geometric axis form an acute angle lit taessaerfCasoseolevan of silicon, – the motor shaft and the association between the stripes with stripes arranged at the same SAE–Beis ~ and kulpibetaeisyydelie paeaeaksefta * 7oit3 [isystsemi accordance with the requirement, you will feel tu siettae fuel, oil and air ointment j ohstaan paeaeakseliu in Cuuntaan and private elements in kolirWrtyt use all the forces transferred to the motor shafts vlitykf–nrjyhtei–Claims. 1 / system rotating Assemblies of raoottoriele elements which are arranged on a common rotation plane in such a way that they are at the same distance from the kiertoakselis to and from each other, characterized in that the fuel, ointment, oil, and air from the major axis direction in, and that private elements (motor volumes) to the developed driving forces transferred to all the motor shaft via a joint, the main axis of the same central syst stettyihln used tokoneist tion matters, 2 / Power System according to Claim 1 / included, characterized in that the use of substances input control takes place in the system speed of the part through, but operating cycles steering moottorielementeissae the self through. 3 / Strength system requirements 1 to 2 / included, characterized in that the saehkoesytytysenergiian development occurs on the main shaft in this example an inductor, but that the self–ignition adjust each independently moottorieleraentti. 4 / Power Control claims 1–3 / included, characterized by the fact that the different gases are passed round moottorieloementtien annular, ring huiraapyoeraemassan arranged in the damping chamber 5 / power requirements of the system 1–4 / backbone, characterized in that the air is sucked in in the direction of the axis of the system towards the outer periphery and leaves the outer periphery in the vicinity. 6 / Power System according to claims 1–5 / included, characterized in that the driving shaft moottorieleraenttien axes of the jump located in gear or is transferred through a fixed hankauspyoerien Or whether the two rotary–operation with the main shaft concentrically arranged hararnas or rubbing into the atmosphere. 7 / Hankauskoneisto especially power systems var require–ments 1 to 6 / included, characterized in that it forms a three lyhmaeae parallel planes

arranged laatto and, two of which have a common axis of rotation, and the third, which u−seimmiten can be the other two symmetrically arranged around the axis, there is one−sided in contact with the MD − 2 − and not only rotational movement about its own axis can rotate in the both laattaryhraien other about a common axis. 8 / Hankauskoneisto of claims 7 / included, characterized in that the tiles are circumferentially staggered so that the KCE − le ing to unequal lever arms would allow their intervening. 9 / Power Control claims 1−8 / included, characterized in that the toothed wheels and toothed kellien instead is reserved for tile formed from movements, which are located keskimaeiset the motor shaft, 10 / power system requirements 1−9 / included, characterized in that the outwardly or inwardly located hankauslaatta ryhaae−axis direction is adjustable * 11 / Power Control claims 1−8 / included, characterized in that the drive system is moved in the opposite direction of the two rotating parts, which interact with the three laattnryhmaeaetae the assembled apparatus with which the groups may access between the two shaft direction with respect to the rotating system components arranged in the outer and inner plates and rotation, not only about its own axis also rotates in the other two groups 1aatta common axis. 12 / Power System according to Claim 8 and 11 / according to, characterized in that the outer and the inner plate is movable in the axial direction and the transfer can take keskiraaeisen tile group, to the machinery could be used for braking, speed change, and suunnanrmiuttokoneistona. 13 / The power system requirements 1−8 / according to, characterized by a combination of gears and sprockets rsuodostamia the machine in a single braking, nopeudennmutto and reversing the machinery of the three formed the group sat at Tara auocLœ an abrasion machine with. 14 / Power System according to Claim 1/.mukaan, two well−known group of the use of machinery, each made up of three hankauslaattaryhmaeae and one replacing the gears and gear rims of the motor shaft rotation to move the system into two oppositely rotating part, the second is the speed of removal and suunnanvaihtokoneis ttma. 15 / claims 7 to 14 / raukaisen hankauskoneiston, characterized in that the energy of the rotating two−part formed by a prime mover, for example, a rotating roller and seisojalla equipped with a turbine or in the form of tetusta electric motor, a working shaft is transferred, a 16 / Hankauskoneisto of claims 7 / by, characterized in that the plates are made of elastic deformation of the rotary al medium. 17 / Voimasyeteerni to claims 1−7 / included, characterized in that ett * engine components piston rods are arranged gears preferentially convex a quality rotatiokappaleiksi formed with teeth, all of which are in contact with the principal axis of the rotating toothed wheel, which is arranged in the concave a quality rotatiokappaleiksi formed teeth closed−wave line fash account. 18 / Power System according to Claim 17 / according to well−known top hat preparation of two piston and the principal axis direction is arranged tooth wheels with relapsing−arranged teeth, each of which is in contact of all the pistons in the engine elements on one side of suitable gears phone. 19 / motor element for power systems require−ments 1 to 18 / included, characterized in that the top hat given by the effect of rotation of the shaft axis, a top hat which is used for controlling initiation and tyoetoimitusten and−tion. 20 / Moottorieleraentti claim 19 voimasysteemeille / included, characterized in that the fuel, additional air and passed to the binder elements in the direction of the axis and passed through a topper silinterikehaeltae. 21 / motor element power systems for the requirements of 18 to 20 / included, characterized in that the piston is rotatable connected to the connecting rod, and the cream material f / Uf − 4 − in the meantime, a barrier according to this via a rotary motion top hat side, and Sealing is provided, avoiding the sealing of the piston rings, cream substance via. 22 / iloottorieleraentti machines power requirements 18−21 / included, characterized in that the integrated yloesalaeinkaeaen−conical shape, the developer curved line formed in the top cover to the shape of the mouthpiece is carried out through the fuel inlet of the rotary head the effect of the pressure of the thin layer in the form of radially downwardly and then interferes in the flowing additional air. 23 / Hoottorielementti power machines require−ments 18−22 / included, characterized in that the convex bottom wall formed on the piston is equipped with spiral vahvistusrivoilla cream oil supply line kiertokankinive−loen and fuel mixture thoroughly to mix, 24 / Hoottorielementti power machines for the requirements of the 20 / According to, characterized by a fixed rengasluistista the entrance. − and the outlet openings may be aligned with the corresponding holes in top hat with the latter a rotary motion via a top hat taking place within the tyoetoi; aitusten guidance as var. 25 / motor element of claims 24 / included, characterized in that the sealing ring and the slide silinteriul−koseinaemaen is provided between the spirally rotating flow in the lower part of the frame cream oil. 26 / motor element of claims 22 / included, characterized in that the isolation between the mouthpiece and the top hat fuel is achieved by the constant helical flow through the 27 / Power Control requirements 1 to 26 / included, characterized in that it is constructed a fixed or rotating frame's cylindrical basic shape, e.g. a vehicle wheel, the tuuletinkoehykseen or the like.

0) GB183913A – IMPROVEMENTS IN OR RELATING TO APPARATUS FOR IN...

7) Family number: 18281804 (GB183913A) © PatBase

Title: Improvements in or relating to apparatus for indicating the identity of bidders and other information at auction sales

Priority: GB19210012229 19210428

Family:

Publication number	Publication date	Application number	Application date
GB183913 A	19220728	GB19210012229	19210428

Probable Assignee: ALBERT EDWARD CHAPMAN

Assignee(s):(std): ALBERT EDWARD CHAPMAN

International class (IPC 8–9): H04L12/18 (Advanced/Invention); H04L12/18 (Core/Invention)

International class (IPC 1–7): G08B11/00

CPC: H04L12/1809

European class: H04L12/18C

Classification Explorer

Abstract:
Source: GB183913A 183,913. Marks, E. C. R., (Chapman, A. E.). April 28, 1921. Order apparatus positively–moved electromagnetic indicators.–Apparatus for use by auctioneers for controlling sales comprises means for transmitting bids, for establishing the identity of the bidders, for registering and totalizing the bids, and for controlling and limiting the time of the sale. Each bidder is provided with a transmitting device, Figs. 16 and 17, consisting of a switch 166 having four contacts 167 – – 170, of which the contacts 167, 168 are normally closed, and an indicator comprising a core 157, solenoid coils 160, 161, and a four–way plug 164 with contacts 1 – – 4 connected by leads to the contact 170, through coil 161 to contact 169, to contact 168, and through coil 160 to contact 167 respectively. The core 157 carries a " Last Bid " indicator 158 adapted to be exposed through an aperture 162 in the casing when a bid is made, otherwise a " No Bid " indicator 163 is viewable. The bidders' identity indicators C, Figs. 2 and 9, are mounted in a casing 88 supported on the main casing, and each comprises a core 90, coils 99, 100, metal bushes 101, 102, a disc 94 having an identification mark, and a block 98 with five contact blades 103 – – 107, Fig. 10, adapted to make contact with spring contacts 108 – – 112 on the casing 88. The core 90 is composed of an iron tube such as 40, Fig. 3, filled with compressed filings and closed by screwed aluminium rods 91, 92 of which the rod 92 carries an insulating–sleeve 93 and the identification disc 94. An ebonite cover 113 is provided on the block 98 and a grip 114 is secured thereto. Other leads from the contacts 1 – – 4 are connected to a lead or bar 172 secured to the casing, the coil 99, the bush 102, and the coil 100 respectively the coil 99 and the bush 101 are connected to a lead 173 and the coil 100 to a lead 174. The totalizing mechanism comprises a number of denominational drums 24 for fractions of pence, shillings, pounds, and c. mounted loosely on a shaft 21 rotated by gearing from a low power electric motor and which are adapted to be rotated by fibre brushes 26 mounted in collars 25 secured to the shaft 21. The peripheral surfaces of the drums are provided with one or more groups or series of stops 25 representing sub–divisions of the values of the various drums, and a transmission stop 36 is provided at the side of each drum. The values of the various stops are marked in the peripheries and are visible through an aperture 37 in the main casing 22. Above the drums are arranged tappet devices A and B shown in detail in Figs. 3 and 6 respectively adapted to come under the influence of the bidders transmitting devices to control the rotation of the drums when manually set by the auctioneer. The device A, Fig. 3, comprises a tappet 42 movable within a solenoid coil 43 mounted in a tube 46 supported in a bore in an insulating. block 38. The ends of the coil 43 are connected to contacts 50, 51, Fig. 5, and the position of the tappet 42 is controlled by toggle levers 52, 53 from a thumb lever 54. In the position of the lever 54 shown in dotted lines, spring contacts 59, 60 in engagement with contacts 63 engage the contacts 50, 51, and the tappet 42 is lowered. to engage the stops 35 to hold the drum stationary. The device B, Fig. 6, which effects transfer to the next higher drum is raised or lowered manually by the toggle levers 52, 53, the downward movement causes spring contacts 67, 68 to engage contacts 69, 70 which are connected by wires to contact plates 71, 72 in engagement with contacts 73, 74. The contacts 67, 68 are connected to contacts 77, 78 and in their raised position engage contacts 79, 80 which in turn engagecontacts 83, 84. Contacts 85, 86 are adapted to be closed by the action of the appropriate transmission stop 36. To regulate the time for bidding a time–controlled mechanism D is arranged above the casing 88 and comprises a clock–work or other driving mechanism, an indicating' pointer, and means for operatively connecting the two. The main spindle of the clock carries a bevel–wheel 119 and the pointer spindle carries a bevel wheel 121, both of which engage a bevel pinion 123 when the latter is lowered. The' pinion 123, Fig. 11, is carried by a tappet 122' mounted in a manner similar to that of the tappet 42, Fig. 3 the coil 124 ends in contacts 125, 126 which are put into circuit with contacts 127, 128 and 132, 133 when the toggle levers are operated by a knob 130 on the spindle 131. The tappet 122 carries a striker 135 adapted to act upon a gong 137 when a bid is made. The wheel 119' is adapted to be rotated once in three minutes and the pointer 140 indicates the amount of bidding time which has expired at the end of a revolution the

pointer operates the armature 142 of a two−way switch to disconnect the bidders' circuits and actuate, through the solenoid 155, a sale gong 156. The striking of the gong 137 frees the pinion 123 so that the pointer 140 under the action of a spring 145 returns to its zero or any other selected position. As shown, the positions selected are 120 and 240 from the zero stops provided comprises electromagnets 146 and armatures 149, which normally lie in the path of a pin 150 on the indicating pointer 140. These stops ensure that the bidding time shall not be unduly prolonged. The electric connections and circuits are shown in Fig. 19 the battery is indicated by cells 176, the positive and negative sides by 175, 174 respectively. X and Y indicate bidders' transmitters and X<1> and Y<1> the correspond ing identity indicators. The drums are zeroized at the completion of a sale by dropping all the transmission tappets 66, then allowing the drums to rotate to zero.

0) GB206176A – IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE ...

8) Family number: 18508128 (GB206176A) © PatBase

Title: Improvements in or relating to the manufacture of boots or shoes

Priority: GB19220012133 19220501

Family:

Publication number	Publication date	Application number	Application date
GB206176 A	19231101	GB19220012133	19220501

Probable Assignee: UNITED SHOE MACHINERY CORP

Assignee(s):(std)**:** UNITED SHOE MACHINERY CORP

International class (IPC 8–9)**:** A43B9/00 A43D11/00 (Advanced/Invention); A43B9/00 A43D11/00 (Core/Invention)

International class (IPC 1–7)**:** A43B9/00

CPC: A43B9/00 A43D11/00

European class: A43B9/00 A43D11/00

Classification Explorer

Abstract:
Source: GB206176A 206,176. British United Shoe Machinery Co., Ltd., (United Shoe Machinery Corporation). May 1, 1922. Drawings to Specification. Sewing–machines work guides.–Parts of a boot or shoe to be sewn together are provided with jig holes co–operating with jig pins on the work carrier of the sewing machine for correctly locating the parts. Specifications 2453/88, 18738/97, and 10595/06, [all in Class 17, Boots and c.], 104,068, [Class 17 (ii), Boots and shoes, Construction of], and 205,839, [Class 17 (i), Boots and shoes. Apparatus for making and c.], are referred to.

0) GB233379A – IMPROVEMENTS IN AND RELATING TO AUTOMATIC TRAIN...

9) Family number: 18580595 (GB233379A) © PatBase

Title: Improvements in and relating to automatic train control devices

Priority: GB19230030800 19231207

Family:

Publication number	Publication date	Application number	Application date
GB233379 A	19250507	GB19230030800	19231207

Probable Assignee: ROBERT FLETCHER HUDSON

Assignee(s):(std)**:** ROBERT FLETCHER HUDSON

International class (IPC 8–9)**:** B61L3/10 (Advanced/Invention); B61L3/00 (Core/Invention)

International class (IPC 1–7)**:** B61L3/10

CPC: B61L3/106

European class: B61L3/10B

Classification Explorer

Abstract:
Source: GB233379A Speed indicators with indicating and signalling apparatus.–A speed indicator provided in a train control system comprises a shaft 71, Fig. 3, rotated by a wheel (not shown) running on the track, and provided with a governor 72 which operates a slider 74, 75, carrying contacts 76 bridging contacts 77 , Fig. 9. One of the contacts 77a is continuous, and the other divided into segments individually connected to corresponding lamps 92, one or other of which is thereby energized. The lamps are housed in a casing 91, Fig. 7, the front of which bears numerals indicating the speed of the train. Specifications 230,402, [Class 104 (iii), Railways and c., Electric], and 230,403, [Class 103 (i), Brakes and c.], are referred to.

0) DE743440A – BEIM AUFLAUFEN DES ANHAENGERS AUF DEN ZUGWAGEN ...

10) Family number: 26226082 (DE743440A) © PatBase

Title: BEIM AUFLAUFEN DES ANHAENGERS AUF DEN ZUGWAGEN WIRKENDE BREMSVORRICHTUNG When encountering the trailer TO COACHES ACTING BRAKE DEVICE (Machine translation)

Priority:

	19380912		19380912		19380912
	19380912	DE1938SC16612D	19380913	DE1938SC16612	19380913
	19400809		19410206		19400809
	19410206		19400809		19410206
	19400809		19410206	DE1941B193230	19410207
DE1941T002966	19410207	DE1941T002967	19410207	DE1942B007951	19420201

Family:

Publication number	Publication date	Application number	Application date
BE443377 A	19270801		19261005
BE444269 A	00000000		00000000
DE743440 A	19431227	DE1938SC16612D	19380913
DE767546 A	19521104	DE1941B193230	19410207
DE895107 A	19531029	DE1941T002966D	19410207
DE895108 A	19531029	DE1941T002967D	19410207
DE908975 A	19540412	DE1942B007951D	19420201
FR875030 A	19420903		19410820
FR878652 A	19430127		19420122
FR878999 A	19430210		19420203
FR894370 A	19441221		00000000
NL114266 B	00000000		00000000

Probable Assignee: HANS O SCHROETER

Assignee(s):(std)**:** B M W FLUGMOTORENBAU G M B H ; B M W FLUGMOTORENBAU GMBH ; BAYERISCHE MOTOREN WERKE AG ; BMW FLUGMOTORENBAU GMBH ; THOMSEN AND CO GMBH ; SCHROETER HANS O ; THOMSEN AND CO G M B H ; THOMSEN AND CO WERFT ; BMW FLUGMOTORENBAU G M B H ; THOMSEN ET COMP WERFT ; THOMSEN ET COMPAGNIE WERFT

Assignee(s): THOMSEN ET COMPAGNIE WERFT FAHRZEUG UND MASCHINENFABRIK G M B H ; THOMSEN AND CO WERFT FAHRZEUG UND MASCHINENFABRIK G M B H ; THOMSEN ET COMP WERFT FAHRZEUG U MASCHF GMBH ; THOMSEN ET COMPAGNIE WERFT FAHRZEUG UND MASCHINENF ; THOMSEN AND CO WERFT FAHRZEUG UND MASCHINENFABRIK ; HANS O SCHROETER ; BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT

Inventor(s):(std)**:** GRAMATZKI PAUL ; HAGEN DIPL ING HERMANN ; MUENZBERG DIPL ING DR HANS GEO ; ROSSKOPF HANS ; SCHROETER HANS O ; SCHROTER HANS

Inventor(s): MUENZBERG DIPL ING DR HANS GEORG

International class (IPC 8–9): B60G21/045 B60T7/20 B62D7/04 F01D5/18 (Advanced/Invention); B60G21/00 B60T7/20 B62D7/00 F01D5/18 (Core/Invention)

International class (IPC 1–7): B60G11/18 B60G19/02 B60T7/20 F01D5/18 F15D1/04 G03C7/18

CPC: B60G21/045 B60T7/20 B62D7/04 F01D5/18 F01D5/187

European class: B60G21/045 B60T7/20 B62D7/04 F01D5/18 F01D5/18G

Classification Explorer

Cited documents: US2083381 A, GB480728 A, FR803675 A, FR47911 E, DE697789 A, DE632723 A, DE629001 A, DE564373 A, CH58799 A, CH209009 A, CH145231 A,

Forward Citations: US6004100, US4565490, US4543781, US3809494, US3373970, US2853272, US2823892, US2807437, US2803428, US2800273, US2755061, US2700530, US2696364, US2687278, US2641440, US2641439, DE969948, DE946952, DE1476921, DE1236954, DE1233658, DE1198145, DE1133638, DE1075448, DE1069153,

Abstract:
Source: DE743440A (Claim 1) 1.PATENTANSPRUECHE: i. Beim Auflaufen des Anhaengers auf den Zugwagen wirkende Bremsvorrich tung, bei der die an der Anhaengerdeichsel verschiebbare Zugstange mit den Anhaen gerbremshebeln durch ein aus mehreren Z eilen bestehendes uebertragungsge`taenge verbunden ist, welches in der Laenge durch einen in dasselbe eingeschalteten und zwi– scheu zwei gegeneinander beweglichen Teilen des uebertragungsgestaenges abge stuetzten vorgespannten Kraftspeicher ver stellbar ist, der beim Auflaufen lediglich als Federung fuer starke Stoesse wirkt und dabei die Laenge des uebertragungsgestaen ges aendert, dadurch gekennzeichnet, dass die beiden gegeneinander beweglichen Teile (2, 2b) des uebertragungsgestaenges auf zwei verschiedene Punkte eines an einem Festpunkt (17) gelagerten Knie hebelgetriebes einwirken, das in der einen Endlage die Bremse in der Loesestellung haelt und in der anderen Endlage, in die es durch die Auflaufkraft gebracht wird, durch den Ausdehnungsweg des auf die gegeneinander beweglichen Teile (2, 2b) des uebertragungsgestaenges wirkenden Kraftspeichers die Bremse zusaetzlich zur Auflaufkraft anzieht.:2. Bremsvorrichtung nach Anspruch i, dadurch gekennzeichnet, dass das Knie hebelgetriebe aus einem Hebel (7) be steht, an dem das Bremsgestaenge (12) aufgehaengt ist und der mit verschiedenen Hebelarmen an den beiden durch den Kraftspeicher (i) miteinander verspann ten, als Huelse (2) und darin gleitender Kolben (b) ausgebildeten Teilen des uebertragungsgestaenges angelenkt ist, wo bei der eine Teil des uebertragungsgestaen ges unmittelbar, der andere Teil ueber einen.Lenker (13) an den Hebel (7) an geschlossen ist. 3. Bremsvorrichtung nach Anspruch i, dadurch gekennzeichnet, dass zur Hand ausloesung der Bremse noch ein weiterer, gegen die Huelse (2) verriegelbarer Kol ben (2a) vorgesehen ist, an dem der Klin kenhebel (21) sitzt, der vom Zugwagen aus zu betaetigen ist und die Vorspannung des Kraftspeichers (i) freigibt.,4. Bremsvorrichtung nach Anspruch 3, dadurch gekennzeichnet, dass der Kraft speicher (i) durch Einschieben des Kol bens (2a) in die Huelse (2) wieder ge spannt wird, was entweder durch Senken der Deichsel in die Senkbremsstellung oder durch Zurueckstossen des Zugwagens bis zum Einrasten des Klinkenhebels (21) erfolgt. Zur Abgrenzung des @'lintneldungsgegen– standes vom Stand der Technik sind im Er teilungsverfahren folgende Drucksachen in Betracht gezogen worden: deutsche Patenschriften...N r. $64 373, 629 oo1, 632 723.

Machine translation: (claim 1) 1.PATENTANSPRUECHE: i The emergence of the trailer to the coaches acting Bremsvorrich Maintenance, gerbremshebeln in the sliding of the rod with the trailer Anhaengerdeichsel by a rush of several existing uebertragungsge Z `taenge is connected which is comparable adjustable in length by one in the same switched–on and between shy two relatively movable parts of the uebertragungsgestaenges completed supported prestressed force accumulator, which acts when running for only a suspension strong collisions and thereby changes the length of the uebertragungsgestaen tot, characterized in that the two mutually movable parts (2, 2b) of the uebertragungsgestaenges in two different points of a at a fixed point (17) mounted toggle mechanism to act, which in one end position the brake is holding in his Loesestellung and in the other end position in which it through the inertia force is brought, by the expansion path of the mutually movable parts (2, 2b) of the brake force accumulator acting uebertragungsgestaenges attracts additionally to the inertia force: 2. Braking device according to Claim i, characterized in that the toggle mechanism comprises a lever (7) be available on which is the Bremsgestaenge (12) hung and with different lever arms at the two by the energy accumulator (i) to each other bracing th, as a sleeve (2) and therein sliding piston (b) formed parts of the uebertragungsgestaenges is articulated, where in one part of the uebertragungsgestaen tot directly, the other part by einen.Lenker (13) to the lever (7) closed on. Third Braking device according to claim i, wherein at hand the brake tripping there is another, provided against the sleeve (2) lockable spool (2a) on which the Klin kenhebel (21) sits, which is actuated by the carriages from and the bias of the force accumulator (i) releases it., 4 Is braking device according to claim 3, characterized in that the force accumulator (i) by insertion of the piston (2a) into the sleeve (2) again tensioned, which either by lowering the drawbar in the Senkbremsstellung or by repulsion of the towing vehicle to the engagement of the pawl lever (21). For the definition of @ 'lintneldungsgegen–state are from the state of the art department, he moved the following printed materials have been considered: German patent publications... N r. $ 64,373, 629 oo1, 632 723rd

0) DE468101A – SCHRAEG EINSTELLBARE VERLADEBRUECKE SCHRAEG AD...

11) Family number: 21019079 (DE468101A) © PatBase

Title: SCHRAEG EINSTELLBARE VERLADEBRUECKE SCHRAEG ADJUSTABLE loading bridge (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DE468101 A	19281106		00000000

Probable Assignee: MITTELDEUTSCHE STAHLWERKE AG

Assignee(s):(std)**:** MITTELDEUTSCHE STAHLWERKE AG

Assignee(s): MITTELDEUTSCHE STAHLWERKE AKT GES

International class (IPC 8–9)**:** B66C17/00 (Advanced/Invention); B66C17/00 (Core/Invention)

International class (IPC 1–7)**:** B66C5/04 B66C5/06

CPC: B66C17/00 B66C2700/01

European class: B66C17/00 L66C700/01

Classification Explorer

Forward Citations: DE748038, DE1055205,

Abstract:
Source: DE468101A (Claim 1) PATnNTANSPRUeclir: i. Schraeg einstellbare Verladebruecke u.

Machine translation: (Claim 1) PATnNTANSPRueclir: i. inclined adjustable loading ramp and

0) GB317154A – IMPROVEMENTS IN GOLF GAME APPARATUS

12) Family number: 18699317 (GB317154A) © PatBase

Title: Improvements in golf game apparatus

Priority: GB19280015671 19280529

Family:

Publication number	Publication date	Application number	Application date
GB317154 A	19290815	GB19280015671	19280529

Probable Assignee: FRANK REGINALD CHESTER

Assignee(s):(std)**:** FRANK REGINALD CHESTER

International class (IPC 8–9)**:** G07F17/38 (Advanced/Invention); G07F17/32 (Core/Invention)

International class (IPC 1–7)**:** A63B67/02 A63F7/06

CPC: G07F17/38

European class: G07F17/38

Classification Explorer

Forward Citations: GB2148729,

Abstract:
Source: GB317154A Table games.–An apparatus for playing a game which may simulate golf comprises a deck with a cabinet, the deck having a number of openings and being provided with a turntable operable from outside the cabinet. A dummy figure is mounted on the turntable and has associated with it an element for impelling a ball towards any one of the openings, this element also being actuated from outside the cabinet. Raised portions resembling bunkers and a depressed portion constituting a hazard are formed on the deck, which is everywhere sloped so as to ensure the return of a driven ball which has failed to enter a hole to the impelling member. The turntable 17, Figs. 2 and 3, is rotated by a lever 25 connected bv a link 24 to an arm 23 fixed to the turntable. The upper part 18 of the figure is rotatable, and is connected to a shaft 29 to which is attached a pinion 31 engaging a rack 32. This rack is connected by a link 33 to a crank actuated by a handle 35. Balls passing through any of the holes in the deck are caught by a pan 87 and gravitate to a shoot 38 connected with a shafting 39, Fig. 7, which terminates in an opening 41 in the deck 16, and in which moves a plunger 40. A shaft 45 may be turned through 45 by a handle 49, and when this occurs the plunger is moved to the top of the shaftway by an arm 42. The operation of a coin–freed mechanism 48 of a well–known type allows the shaft to be rotated through a further 45 upon the insertion of a coin, a gate 57 then being raised and a number of balls 27 rolling down the shoot to such a position that they may each in turn be elevated to the platform by repeatedly turning the shaft 45 through its initial movement of 45. In a modification two balls are raised simultaneously to the level of the platform, but only one is discharged thereon at each movement of the plunger. The object of the game is to drive balls into the scoring holes 78. Unsuccessfully driven balls either return to the turntable or fall through holes 80 in the hazard portion. A ramp 83, is provided and also a tunnel 81 whereby balls may return from the green 76 to the turntable. Reference has been directed by the Comptroller to Specification 292,092.

0) US1756832A – AMUSEMENT RIDE

13) Family number: 19672212 (US1756832A) © PatBase

Title:	AMUSEMENT RIDE
Priority:	US19280307249 19280920

Family:

Publication number	Publication date	Application number	Application date
US1756832 A	19300429	US19280307249	19280920

Probable Assignee:	EMMA C MAYNES
Assignee(s):(std):	EMMA C MAYNES
Inventor(s):(std):	MAYNES HYLA F
International class (IPC 8–9):	A63G1/34 A63G7/00 (Advanced/Invention); A63G1/00 A63G7/00 (Core/Invention)
International class (IPC 1–7):	A63G1/02
CPC:	A63G1/34 A63G7/00
European class:	A63G1/34 A63G7/00
US class:	104/173.1 104/203 104/63 191/2 472/37

Classification Explorer

Forward Citations: EP1607122,

Abstract:
Source: US1756832A I claim: 1. An amusement ride coinprising the coinbinetioii of au ,U.I1§ll§?SS trucliy fl CHF m£_gt;\'f1lO19 1»'??’5;§5?f‘ft Of/CT the track, a ealole for pulling the cur, El clrivin ' sheave for the cable, a pneuinatie cable c utcli curriefl by the car, nieans for supplying air to hold the clutch in cable–gripping position, means for automatically cutting olf t–lie supply of air as the car passes the driving slieave to release the clutch, and means for automatically turning it on again after the driving slieave has been passed. 2. An ainuseinent ride comprising the coinlJi1;a1:ion of en encllcss track, a car inovable over tlie track, a eqble for pulling the car, a driving sheave for the cable a pneuinatic cable clutch carried by the car, means for supplying air to lipid the clutch in cables1'1i_gt;1_gt;ie§ 1?_lt;_gt;Siti0n, #1 Valve wnhr_lt;_gt;11?i_gt;" the PASsage of air to tlie clutch, a cain glong the track in advgince of the driving Slieave for auloniaticelly closing the valve as the train apprpaclies –the glriving _sheaveyaiicl ii second can; along tlie tracle lieyoncl the driving slieavc for opening the vjgilye. An ainuseinent ride comprising Llie co1n~ binatioii pf a traclg, at Lrain of cars movable over the track, ‘FL cable for pulling the tryin; a. cable clutch carried by ai, forwiircl car, a cable clutch carried by Q rear car, ineens for releiising the clutcli on tile forward car and ineans for _siinultaneously ,closing the clutch on the rear car. An qinueemcnt ride §QI§.l1]TlSll’1glll1fl‘ come bination of a track, EL train .of cars movable over the tracli, as cable for. pulling the train, ZL cfible clutch carriecl by u. for–warcl cor, a cable clutch carried by a rear car, means T or operating the two clutches simultaneously, the clutch on the fo1'warcl,car being relegsegl as the clutch on the rear car is closed, and vice versa. 5. An ainuseinent ride coinprisingytlie coinbination of an endless track, ii train of cars movable over the track and extending only part Way around it, _a czilole for pulling the train, a driving slieave for the fable, cable clutch carried by gi forward car, a ,cable clutch carried by a rear cur, means for auto# lnaticully li(¥l€Z`lSll`lg` the clutch on the forwarrl car as that car passes tlieclriving slieave, nieans for simultzuieolisly closing the cluleli on the rear car, means for closing the clutch on the forward earvafter it has passed the clri ving sheavc, and means for siinultaneously releasing the clutch on the rear car. G. An :unusemcnt riclc comprising; the combination of a, track, a car movable over the track, a cable for pulling the train, a pneul matic cable clutch carried by the car, a source of conipressefl air for the clutch, means for automatically releasing the clutch when the air is turned oil, and ineans for connecting the source of compressed air with the clutcli to cause it to _grip the cable. 7. An amusement ride comprising the coni~ bination of a circular track, a, car movable Ta Til c –J? Sv /‘JT H, VI? C3 over the track, a cable for pulling the car, a pneumatic cable clutch carried by the car, a source of compressed airsupply situated at the center of the track and an air connection between the car and the source of supply which revolves with the car. 8. An amusement ride coinprising the combination of a track, a car or train movable over the track, a platform adjacent the track from which passengers enter and leave the car or train and means situated along the middle of the platform for guiding outgoing passengers to the outer side of the platfm'm. 9. An amusement ride comprising the combination of a track, n. car or train movable 'Y over the track, a loading; platform adjacent the track, an entrance passageway communicating with the loading platform at one end, an unloading platform adjacent the loading platform, an exif. passageway communicating with the unloading platform at one end, a scries of guide railings situated between the loading and unloading platforms, the space between adjacent guide railings leading gently from the loading to the unloading plat~ form. 10. In an amusement ride having a traveling passenger car or train, the combination with the car or train of a folding canopy traveling therewith and adapted to fold and unfold transversely of the path of movement of the car or train and lying when folded above the car or train. _ ‘ 11. In an amusement ridehaving a. traveling passenger car or train,'tl1e combination with the carror train of a folding

canopy traveling therewith and adapted to fold and unfold transversely of the path of movement of the car or train, lying when folded above the car or train, and means for folding and unI'cl_lt;1in_g; the canopy during the ride, half on one side of the car or train and half on the other. 12. An amusement ride comprising the combination of a circular track, a car or train movable over the track, a canopy carried by the car or train, pnctunatic means carried by the car or train 'for folding the canopy during operation of the ride, a source of compressed air supply situated at the center of the track and an air connection between the car or train and the source of supply, which connection revolves with the train. 13. An amusement ride comprising the combination of 9, car, an upright post on the car, folding ribs pivotally mounted on either side of the post, a folding canopy carried by the post and the ribs, a piston within the post, linked connections between the piston andthe post, and means for raising the piston to close the ribs and fold the canopy. _gt; 14. An amusement ride comprising the the combination of a car, an upright post on the car, folding ribs pivotally mounted on either side of the post, a, folding canopy carried by the post and the ribs,'a. piston within the post, linked' connections bet–Ween the pis~ ton and the post, means for admitting compressed uir to the post below the piston to raise the latter and fold the canopy, and means jfor feduciug the piiessinn Within the post w ereny the Cano 1 is un 'olded b virtue of its own Weight. 1 y y 15. ju lain ainujsement deyice simulfiting an anima , t e coin ination 0" a air 0 `aWs a cylinder connected to one of the jaws? a piston in the cylinder, a piston rod connected to the piston and to the other jaw and means finss admitting fluid to the cylinder to open 'ie jaws. ` 16. ju im alnrjsement device siniulating an auuna , tie com iinatiou of a air of lxin ed jaws, a cylinder pivotally coiinected to §11€ of the jaws, a piston in the cylinder, a piston rod connected to the piston and pivotally connectedgo the other aw, means for admitting air un er pressure to the cylinder to 0 en the j aw, and means for reducing the pressidre inthe cylinder whereby the jaws close by gravity. 17. In an amusement,de,vice simulating an animal, the combination of an abrasive Wheel abpyrophorjilc metal, means for rotating the a rasive W eel and means for movin ss the pyrophoricnietaljinto, contact with tli: rotating Wheel whereby a shower of sparks issues from the animal. ` ' 18. In an amusement device simulating an animal, the coinbinationbf an abrasive wheel, a cj;1hnde€_m§untec1 belowj the Wheelj a piston in e cy in er a ,yro ioric meta carried by the cylindeigimegis fgr rotating the wheel, means' for introducing air under pressure' in» to thejcylijnclei' to 'move the metal into contact Withthe rotating Whcelwhereby, a shower oi" sparks issues' from the animal, and means for reducing the 'pressure in the cyl! indcr so that the Weight of the cylinder and metal break contact with wheel and cease sparking, ' ` " 19. In an amusement device simulating an animal having nostrils, the combination of a grinding wheel behind each uostril, means for 1~0f»ating. the Wheels, an iron rod mounted below each wheel and pneumatic means for moving the iron rod into contact with the rotating grinding Wheels whereby a stream Eflsparks is caused to issue from each nos» ri . ' ' ?O. fin amusement ride t1'ai1i,con1prising_gt;; a rear car, assen er–carrvinu' cars an uni. 1nal's lieadciirriecl iy the lieadacar, ai folding canopy carried by the passenger cars and re~ sembling; the anixnal's body, and means for folding and unfolding the canopy. i ' 21. An amusement ride comprising the combination of a 'train of cars, an animal's head carried by the head car, a foldiiilg canopy carried by the other cars, pneumatically operated devices carried in the head, pneu» v TD T5 SO S5 iio pn Z5 En bi" CZ) mmically ,operated means for folding the canopy and :1 common source ofcoinpressed uit' for all the pneinnatically opcrzztenl devices. 22. An aniuseinent ride ('Gll1TJ1`lSII1g the combination of si circular tmcli, 21 train of cars niovable over the track, E1 pnounmtically opcratccl device carried by the train, 21 source of conxpvesserl air situated at the Center of the track, and means revolvn,blc with the ride for supplying compressed air to the pneumatic device during the operation of the ride. 23; An ,amusement ride comprising it train of cars, an 2i.I1I1112ll7S head czmrrierl by the head cur, means for opening and closing the ani– 1nal's jaws, moans for causing; sparks to fly from its nostrils, and means for giving it an voice. » 24. An amusement ride Comprising 21 car or train, a pneuinatically _opemtefl device carried bv the car or train, a source or com–, pressed air, sa conduit for leading compressed air to the pneumatically oneratccl clevice, a control valve in the conduit, an exhaust valve adjacent the control valve, mefms for simultaneously operating the valves whereby when the control valve is opened tlxc exhaust valve is closed, and vice versa. 25. An amusement ride comprising a car or train, a 1)1l€llI11Z].lZlC€`Ll.ly operated device car~ riccl by the cur or train, il' source of compressecl air, :L conduit for leading compressed air to the pncnmntically operated device, a control valve in the conduit and electrically operated means for opening the control Valve. 25. An amusenient ride ccnriprising the combination of sm car or train, pneumatically operated devices Carried by the car or train. 51 source of coinpressecl air, conduits for leading' cornpressecl air to the 'pneumntically open ated devices, a solenoid mounted adjacent each control valve, sz source of electrical energy, il normally open circuii' including each solenoid and the source 'of electrical ene1'gj_y, and switches external of the train for selectively closing any circuit, tlierebv energizing its solenoid and opening a control valve. 27. An amusement ride comprising the combination of in circular track, fi car 01'tf2ll1'\ movable over the track, n pneunmtically operated device carried by the car or train, a source of compressed air, a center pole, a rotatable member on the pole, :L stationary conduit in this pole leading compressed air from the source of supply to the rotatable member. at Conclui–t leading the air from the rotatable member ,to the train. 3 valve for controlling the passage of air from the conduit to the electrically operated device, electrical means for operating the control valve, a, source of electrical energy, collector rings on the center post, Wires extending from the source of electrical energy to the collector rings, brushes carried by the rotatable member and contacting with the collector rings,_wires extending from the brushes to the electric control nieans, and a switch external of tlic cars for completing the circuit to operate this e1ec~ trical control means, open the air control valve and licncc oper~a1;o the pneumatic dovice. QS. An amusement ride comprising the Combination of il track, a train of cars having a head car and passenger cars movable over f the track, FL cable for pulling the train, a pneumatic cable clutch carried by the train, an animnl's heaicl curriccl by the head cam' of the train, pneumatic means for opening the jaws, means for causing sparks to issue from the nostrils, pneinmitic means for operating the sparking means, a folding canopy for enclosing the passenger cars, pneumatic means for folding the canopy, :L connuon source of co1n~ pressed air for all P11Cl.I1\l?ll'l{7 devices and valves controlling the passage of air from the source of supply to each device. 29. In mi 11H1\lS€H`lSl`Lf–l`lCl_, the combination of an endless undulating track, a cm– movable over the track, a. cable for pulling the cm' following the truck, and grooved rollers for SLID]7O!'tl`00` the cable, the grooved rollers being clisposca at such an angle as to carry the tlirust of the cable. 30. In an uinnscmcut 1'ide,the combination of an endless undulating track, a car movable over the track, :L cable for pulling the car

following the track, grooved rollers for supporting the cable all placed Within the enclosure defined by the cable, and il cable clutch carriccl by the car. In testin1ony,\vl1ereof I ailix my sigiiatuie

0) GB315851A – MECHANICAL TENNIS BALL SERVER OR PROJECTOR FOR ...

14) Family number: 18679720 (GB315851A) © PatBase

Title: Mechanical tennis ball server or projector for lawn tennis practice

Family:

Publication number	Publication date	Application number	Application date
GB315851 A	19300818	GB19290011840	19290416

Probable Assignee: PERCY JEPSON

Assignee(s):(std)**:** PERCY JEPSON

International class (IPC 8–9)**:** A63B69/40 (Advanced/Invention); A63B69/40 (Core/Invention)

International class (IPC 1–7)**:** F01D25/24

CPC: A63B69/408

European class: A63B69/40E4

Classification Explorer

Forward Citations: US9452340, US9067119, US4646709, US4185608, US2646786, DE3590485, DE3590485,

Abstract:
Source: GB315851A Projecting–appliances.–An apparatus for projecting tennis balls comprises a frame, a magazine to accommodate the balls, a ball–holder to receive the balls successively from the magazine, a rigid projector–arm co–acting with the ball holder, means for retracting the arm against the tension of a spring and means for releasing the arm to project a ball from the holder, the arm being mounted so as to swing beyond its normal position after the blow, and being returned thereto by spring influence. The framed casing 2, Fig. 1, has wheels 3 and sliding handles 4 to enable it to be pushed about. On the top of the casing is a magazine 6 comprising an outer cylindrical casing 7 and an inner drum 8 between which is a helical path 9 for the balls leading to a pivoted platform 10. This platform is oscillated to deliver the balls one at a time to a holder 12 in the path of a projector–arm 13 which operates in a slot 31 having guards 32. The platform 10 is oscillated by a bar 14, Fig. 4, pivoted to a lever 15, Fig. 5, which is rocked by a roller (not shown) eccentrically mounted on a sleeve 18 rotatably arranged on a shaft 19 and having a sprocket wheel 21 chain–geared to a wheel 23 driven by an electric motor 27 through reduction gearing 28 and a shaft 24. The projector arm 13 is secured to the shaft 19 and to it is pivoted a pawl 33 having two rollers 35, 36. One roller 35 bears against a cam plate 37 formed on the sleeve 18, the cam plate having a projection 38 which by its engagement with the roller 35 causes the projector–arm 13 to be retracted in a left–hand direction, Fig. 4. To the shaft 19 is secured a boss 44 having a camshaped periphery 48, Fig. 8, upon which a chain 45 is wound against the action of a spring 46 as the projector–arm is retracted. Upon the release of the projector–arm, a projection 49 on the boss 44 comes into contact with the chain when the arm reaches the limit of its stroke and thus reduces the shock. The other roller 36 on the pawl 33 pivoted to the projector–arm contacts with a member 39 which trips the roller 35 to project the ball from engagement with the cam plate 37. The trip member 39 is secured to a sleeve 40 which can be partly rotated around the shaft 19 by a handle 42 working in a slot 43 of the casing to vary the force of the blow. The ball holder 12 is rigidly mounted on a rod 50 which is slidably and rotatably mounted in bearings 51 at the top of the casing 2. One end of the rod is fitted with an arm 52 having a handle 53 which moves in a slotted guide plate 54 on the side of the casing 2. The inclination of the holder 12 is thus varied, and hence also the trajectory of the projected ball. The horizontal direction of the ball is varied by the lateral oscillation of the holder. The opposite end of the rod 50 is pressed by a spring 55 against a bell–crank lever 56 pivotally connected to a downwardly–extending link 59 which has a pin 60 engaging a fixed double–sided ramp 61. Below the pin, the link passes through a sliding frame 63 and is restrained by a bracket 64 from independent lateral movement but is free to move vertically. The frame 63 is moved by a handle 65 sliding in a slotted guide 66 in the casing 2. The link 59 terminates in a roller 67 which can be operated by either of two cams, 68, 69, provided, for different timing, on spur wheels 70, 71, driven by a pinion 72 from the motor–driven shaft 24. With the frame 63 in its middle position, the pin 60 is at the top of the ramp 61 and the ball holder 12 is stationary in its central position and a " straight " ball is delivered when the frame is moved to the left, the roller 67 engages the cam 68 and the holder is moved to and fro across the slot 31, the timing being such that balls are delivered alternatelv to each side of the machine. With the frame 63 in its righthand position, the ball–holder is moved in the slot 31, to deliver the successive balls irregularly. The striking end of the projector arm has a rounded striking end 74 and a concave portion 75, " spin " being imparted to the ball by the rounded end. Switchgear, etc., may be accommodated in a compartment 76 having a hinged door 79.

0) US2005735A – ICE

15) Family number: 18711076 (US2005735A) © PatBase

Title: Ice

Priority: US19280292631 19280714 US19330679864 19330711

Family:

Publication number	Publication date	Application number	Application date
DE512573 A	19301114	DE1929F068786D	19290713
GB334494 A	19300904	GB19300019286	19290712
US2005733 A	19350625	US19280292631	19280714
US2005735 A	19350625	US19330679864	19330711

Probable Assignee: CROSBY FIELD

Assignee(s):(std)**:** CROSBY FIELD ; FLAKICE CORP

Inventor(s):(std)**:** CROSBY FIELD

Inventor(s): FIELD CROSBY

International class (IPC 8–9)**:** F25C1/12 (Advanced/Invention); F25C1/12 (Core/Invention)

International class (IPC 1–7)**:** F25C1/00 F25C1/10

CPC: F25C1/125

European class: F25C1/12B

US class: 62/1 62/317 62/345 62/346 62/353 62/435 62/67 62/72

Classification Explorer

Forward Citations: US7665316, US2794327, US2746263, US2610477, US2610476, US2610475, US2610474, US2596274, US2528795, US2419954, US2419953, US2007089441, DE1044123,

Abstract:
Source: US2005735A 1. A product of manufacture comprising substantially symmetrical sheets of ice, each sheet being curved, relatively large in area and thin in depth, relatively elongated and oi substantially constant width throughout its length whereby each sheet tends, upon f1rst`being fractured, to break into fragments which are larger and of more nearly uniform size and shape than fragments formed under the same or similar conditions frcm non–symmetrical and/or smaller sheets.

0) DE519362A – VERFAHREN ZUM HERSTELLEN GEBLASENER HOHLGLASKOE...

16) Family number: 24859721 (DE519362A) © PatBase

Title: VERFAHREN ZUM HERSTELLEN GEBLASENER HOHLGLASKOERPER METHOD FOR PRODUCING BLOWN HOHLGLASKOERPER (Machine translation)

Priority: DE1927C040084 19270706

Family:

Publication number	Publication date	Application number	Application date
DE519362 A	19310311	DE1927C040084D	19270706
NL21131 C	00000000		00000000

Probable Assignee: CORNING GLASS WORKS

Assignee(s):(std)**:** CORNING GLASS WORKS

International class (IPC 8–9)**:** C03B9/12 (Advanced/Invention); C03B9/00 (Core/Invention)

International class (IPC 1–7)**:** C03B9/12

CPC: C03B9/12

European class: C03B9/12

Classification Explorer

Forward Citations: DE896708, DE881725, DE752895,

Abstract:
Source: DE519362A (Claim 1) 1. PATENTANSPRUECHE: i. Verfahren zum Herstellen geblase ner Hohlglaskoerper mittels zusammenwir kender, in geschlossenen Bahnen bewegter Blase– und Formmechanismen, denen Glas von einer Vorratsmenge her zugefuehrt wird, dadurch gekennzeichnet, dass das zu verarbeitende Glas in Gestalt eines end los erzeugten Bandes (79) mittels eines,aus einzelnen Abschnitten zusammenge setzten, mit oeffnungen (156 bzw. 156') versehenen, zwischen den Formmechanis men hindurchbewegten und synchorn mit diesen angetriebenen Foerderorganes (151, 152 bzw. i.5o') zugefuehrt wird.

Machine translation: (claim 1) 1 CLAIMS: i method of producing blower NER Hohlglaskoerper by zusammenwir kender, in closed paths moving bubble and form mechanisms which glass is applied leads from a storage lot here, characterized in that to be processed glass (79) in the form of an end off the strip produced by means of a, translated from individual sections together with openings (156 or 156 ') provided, men between the Formmechanis therethrough moving and synchorn with these driven Foerderorganes (151, 152 and i.5o') is fed.

0) US1825778A – GAME

17) Family number: 20140644 (US1825778A) © PatBase

Title:	GAME
Priority:	US19280270855 19280418

Family:

Publication number	Publication date	Application number	Application date
US1825778 A	19311006	US19280270855	19280418

Probable Assignee:	CHESTERFIELD CONTROL CO
Assignee(s):(std):	CHESTERFIELD CONTROL CO ; CHESTERFIELD CONTROL COMPANY
Inventor(s):(std):	CHESTER FRANK R
International class (IPC 8–9):	A63F7/06 (Advanced/Invention); A63F7/00 (Core/Invention)
International class (IPC 1–7):	A63F7/10
CPC:	A63F7/0628
European class:	A63F7/06A9
US class:	194/294 273/108.22
Classification Explorer	
Forward Citations:	WO9425129, US6569030, US6085450, US5393058, US3050307, US2846229, FR2215252, FR2215252,

Abstract:
Source: US1825778A Having described my invention, what I claim as new and desire to secure by Letters Patent, is:– 1. A game including a deck having target, hazard and ramp portions extending –from and above the body of the dock :mrl disposed in line`with each other, and 21 missile–i1npelL ing member mounted upon said deck and in advance of said ramp portion, whereby :L properly impclled missile will traverse said ramp, avoid said hazard portion and be disposed upon said target portion. _ 2. A game including a deck having target, hazard and ramp portions disposed in line with each other, a» missile–impelling member mounted upon said deck and in advance of said rump portion whereby a properly impelled missile will traverse said ramp, avoid said hazard portion and be disposed upon said target portion and means forming ri pm–t of the deck bridging said hazard portion and extending from the target portion of the deck to connect the same with that deck portion which mounts said impelling member, the portions of said deck presenting surfaces inclined towards said missile–impelling member. 3. A game including a deck having target, hazard and rump portions disposed in linf: with each other, 21 missile–impelling member mounted upon said deck smd in advance of said ramp portion, whereby 21 properly irnpelled missle will traverse said ramp, avoid said hazard portion and be disposed upon said target portion and means forming si part of the desk briclpfing said hazard portion and extending from the target portion of the deck to connect the same with that deck portion which mounts said impclling member, the portions of said deck presenting surfaces inclined ';o\va.rds said missiledmpelling mcm_lt; ber, said target and l'1flZ{1.l`d portions of the declr being formed with openings into which si missile passes and means for delivering missiles passing into said openings back on to said deck and adjacent said impelling member. ' 4. A game including af deck over which ix missile is to trawl and a target portion forming a part of said game, a turn–table mounted by said deck, a missile–impelling member mounted by said turn–table and having an arcuate movenient with respect thereto, moans for opeiutiiig said impelling member, and said turn–table being formed with fi. groove to reveive :i missile, said groove being disposed in an are corresponding, in curvfiture, to the arc of travel of said impel~ ling member. _lt; 5. A game including a dock over which a missile is to travel and a target portion forming 21 part of said game, a tm“n–table mountQcl by said deck, :L missile–impelling member mounted by Said turxvtable and having an arcuate movvnient with respect thereto, means for operating said impclling member, and said turn–table being formed with a groove to receive a missile, said groove being disposed in an are cou'esponding', in curval ture, to the are of travel of said impclling member, the upper surface of said turn–table being inclined towards said groove and being of increasing depth towards the forward end thereof. 6. A game including a deck over which a missile' is to be impelled, 21 target portion forming Z1 part ol’ said game, il 1uissile~impolling member mounted by said deck and including a Hgure embracing body and nethEV portions, a missile–striking member carried by said body portion, a shaft connected with said portion to move the same with respect to said ncther portion, a– pinion mounted by said shaft and a rack having its teeth in engagement with said pinion to rotate Said shaft and avtuate said impelling member, si tux'n–table in’erposed between said H;§~ ure and deck and means for shifting said turmtable. 7. A game including a deck having missilewcceiving portions, a Chute connected to said receiving portions, a plunger to revc–ive missiles from said Chute, means for moving said plunger to deliver missiles to said deck and menus cooperating with said pliiiigcr to display upon said deck a. plurality of missiles supported by said' plunger and to deliver one of said missiles only to said deck. 8. A golf game including a deck formed \\'i'(»il a plurality of target openings through which balls are to' pass, a golfer figure mounted upon said deck, a club

associated with said figure and means for actuating the lattc–r to swing said club and impel a missile towards one of said openings and moans disposed below the deck and connectcwl to said openings to return a ball passing through one of the same to said deck and at a point, adjacent said golfer figure and said deck being inclined towards said golfer figure. 9. A game comprising a member formed in the shape of a miniature golf course having a plurality of greens thereon with holes extending through said member, and a tee remotely disposed from said greens, said member having surfaces pitching toward said tee and other surfaces pitching toward said holes, a revoluble platform positioned in said field to serve as the tee thereof, said platform having a depression at the lowermost point thereof for the reception of a ball to be propelled about said Field, a striking mechanism for propelling said ball from said depression upon said Held, and means for oscillating said platform to direct the travel of said ball toward any of said holes. 10. A game comprising a member formed in the shape of a miniature golf course having a plurality of greens thereon with holes extending through said member, and a tee remotely disposed from said greens, said member pitching at certain points toward said tee and at other points toward said holes, a revoluble platform positioned in said Held to serve as the tee thereof, said platform having a depression for the reception of a, ball to be propelled about said field, a manikin mounted upon said platform in proximity to said depression, a club carried by said maniliin and movable toward said depression for striking balls disposed therein and propelling the same about said field, means for operating said club and means for rotating said platform to direct the ball toward any of said holes. 11. In 51. game device, a member having a playing surface, said surface being formed with a plurality of holes therein spaced apart and each adapted to receive a ball, a platform revolubly fitted in said member and formed with a depression therein, thc surfaces of said member and platform being pitched with res ect to each other and with respect to said cirepression to cause the ball to gravitate into said depression from positions removed therefrom, striking mechanism mounted on the platform for propelling the ball from said depression, means for manually actuating said striking mechanism, and means for turning the platform to locate the same in various angular positions with respect to said member. 12. In a game device, a member having il playing surface, a– platforln revolubly fitted in said member, a striking mechanism mounted on said platform and adapted to propel il ball alonlg said member from a given teeing point, sai playing surface and the surface of said platform being–pitched with respect to each other and with respect to said teeing point to cause. the ball to gravitate to said point from positions on said surfaces removed from said point, means for manually actuating said striking means, and means for turning the platform to locate the same in various angular positions with respect to said member. _ 13. In a game devicc, a member providing a portion of a playing. course along which a ball may roll, a second member associated with said first member and providing another portion of such course, said members being relatively revoluble to vary the angular relation therebetween, the surfaces of said members being formed to cause the hall to gravitate to a given point– on said course, and striking mechanism mounted on the second member for propelling the ball from said point. ; 14. A game comprising a stationary member providing a portion of a playing course, a _second member rotatably associated with said first member and providing another portion of said course, a striking mechanism mounted on said rotatable member for propelling a ball upon said course, said members being shiftable relative to one another to vary the path of travel of a ball propelled by said striking mechanism, the surface of said members being formed to cause the ball to gravitate on the said rotatable member and into position to be struck by the striking mechanism in any position of the platform. 15Q An apparatus of the character described including a plane surface forming a course, and having an opening for the reception of a ball, a rotatable platform at one end of the course, a striking mechanism, including a club associated with said platform, actuating means operatively connected with said mechanism, manual means connected to said actuating means and through which the same may be operated to effect a stroke of said club, an elevator tube associated with the platform, an elevator therein, a ehute disposed to receive a ball delivered through said opening and to convey the same into said tube, and means for operating the elevator to efect the delivery of said ball onto said platform. 16. An apparatus of the character described including a surface forming a course, and having a ball receiving opening, a rotatable platform adjacent one end of said course and having a ,ball retaining depression in its upper surface, a projecting mechanism on said platform including a striker adapted to project said ball across said course, means carried by the platform through which said mechanism may be actuated to project said ball. ss 17. An apparatus of the character described including a surface forming a course, and having a ball receiving opening, a rotatable platform adjacent one end of said course and having a ball retaining depression in _its upper surface, a projecting mechanism on said platform including a striker adapted to project said ball across said course, means carried by the platform through which said mechanism may be actuated to project said ball, and means for returning said ball When projected through said opening onto said platform. 18. An apparatus of the character described includin a surface forming a course and having a bag receiving opening; a rotatable platform adjacent one end of said course and having a ball retaining depression inss its upper surface, a projecting mechanism on said platform including a striker adapted to project said ball across said course, means carried by the platform through which said mechanism may be actuated to project said ball, and means for returning said ball, when projected through said opening, onto said platform, said ball–returning means including an elevator and manually operable means for operating the elevator. 19. An apparatus of the character described including a plane surface forming a, course and having an opening, a platform movable about a vertical axis arranged adjacent one end of said course and Whoseupper surface is approximately flush with the upper surface of said course, a projecting mechanism on said platform and including a striker, or club, a ball to be projected, means for operating said striker to effect the projec– (ion of said ball through said openin and means for returning said ball onto saidg platform. ' In testimony whereof I aliix my signature

0) GB367427A – AUTOMATIC MONO–RECORDING TRAP NEST

18) Family number: 19032691 (GB367427A) © PatBase

Title: Automatic mono–recording trap nest

Priority: GB19300034861 19301119

Family:

Publication number	Publication date	Application number	Application date
GB367427 A	19320219	GB19300034861	19301119

Probable Assignee: WILLIAM ALBERT HARRON

Assignee(s):(std)**:** WILLIAM ALBERT HARRON

International class (IPC 8–9)**:** A01K31/16 (Advanced/Invention); A01K31/00 (Core/Invention)

International class (IPC 1–7)**:** A01K35/00

CPC: A01K31/16

European class: A01K31/16

Classification Explorer

Abstract:
Source: GB367427A 34861. [Class 5 (ii).] A recording attachment for trap–nests comprises an exit structure attachable to the trapnest and provided with an opening and a door structure mounted to close said opening partially, a pair of vertically disposed bars rotatably mounted in said exit structure and located at the sides of said door structure, pins connecting the said bars and door structure disengageable by the opening of said door structure and hook members on said bars uniformly disposed to define a central area in said opening and adapted to receive recording resilient bands and to discharge said bands on to the neck of a hen upon the disengagement by the hen of the said pins. A trap–nest comprises three compartments the front one of which has a circular entrance opening 10 closable by means of a circular or rectangular sliding door 12. Lime is spread over the floor of the front compartment, which is separated from the second compartment, comprising the nest proper, by a partition 13 having an opening closed by a swinging door 17 to which is hinged a rod 20 passing through an eye 22 and holding open the door 12: the door 17 is prevented from swinging forwardly by cleats 19. A sliding door 25 is provided to close an aperture 23 in a partition 14 separating the nest compartment from an exit compartment in which is mounted a perch 26 and which is closed by a detachable exit member comprising a door 33 a tongue 34 of which projects into an opening 32 in a door 31, both doors being hinged to a framework 30. A rod 39 hinged to door 31 passes through an eye 40 to retain door 25 in its open position. Two rods 41 are mounted on the framework 30 by means of pins 43 working in elongated slots 44. Hooks 47 on the rods 41 support resilient bands 48 and pins 45 coact with eyes 46 on the door 31. A pin 36 on the tongue 34 coacts with a slot 35 in the door 31. Attached to the resilient bands are stamped tags or marked hollow shells containing bells. A hen entering the nest cleans its feet in the first compartment, pushes against the door 17 so releasing the door 12 and closing the nest, and enters the nest compartment whence it passes into the exit compartment, jumps on to the perch 26, pushes against the door 31 so releasing the door 25, turning the rods 43 and so releasing the resilient bands on to its neck, and allowing the door 33 to fall forming an inclined ramp for the exit of the fowl. A series of trap–nests may be mounted in a unitary framework.

0) CH158304A – MACHINE AUTOMATIQUE A POSER DES RIVETS ET APPLI...

19) Family number: 26290009 (CH158304A) © PatBase

Title: MACHINE AUTOMATIQUE A POSER DES RIVETS ET APPLICATIONS ANALOGUES. AUTOMATIC MACHINE ASK RIVETS AND SIMILAR APPLICATIONS. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH158304 A	19321115		19310407

Probable Assignee: JEAN GOBIN DIT DAUDE

Assignee(s):(std)**:** JEAN GOBIN DIT DAUDE

Inventor(s):(std)**:** DIT DAUDE JEAN GOBIN

Inventor(s): DAUDE JEAN GOBIN DIT

International class (IPC 1–7)**:** B21J15/10

Abstract:
Source: CH158304A REVENDICATION Machine automatique a poser des rivets e1 applications analogues, caracterisee en ce que les outils de percage sont portes par une ta ble mobile, tandis que les outils: de pose coin– prennent un marteau guide dans le bati fix,= d$ la machine, l'ouvrage etant maintenu file par un organe presseur et un mecanisme de liaison et de synchronisation des mouvements etant combine aux mecanismes de commande de la table mobile –et desdits outils, de telle sorte que la table mobile se deplace par rap– port a l'ouvrage pour amener l'axe des outils de percage dans l'axe du marteau dans la po sition de percage de la table mobile et pour livrer passage audit marteau dans la position de rivure de ladite table mobile.
SOUS–REVENDICATIONS: 1 Machine suivant la revendication, pour la pose de rivets en deux pieces, caracterisee en ce qu'elle comprend deux dispositifs d'alimentation d'elements de rivets, dis poses de part et d'autre de la table mo bile et destines a cooperer avec des outils de pose respectifs pour poser les deux ele ments de rivet dans le meme trou du meme ouvrage. 2 Machine suivant la revendication, carac terisee en ce que le marteau est agence pour actionner les outils de percage dans la position de percage de la table mobile. 3 Machine suivant la revendication, carac terisee en ce que l'outil de pose inferieur est constitue par une matrice mobile sui vant l'axe du marteau. 4 Machine suivant la revendication et la sous–revendication 3, caracterisee en ce que les mouvements du marteau, du porte–matrice et de l'organe d'entraine ment de la table sont conjugues positive ment, tandis que la table est separee de son organe d'entrainement avant la fin de sa course vers la position de rivure, de facon –a etre maintenue par un ressort dans sa position finale de rivure, contre une butee pendant le temps necessaire pour effectuer la rivure. 5 Machine suivant la revendication et la sous–revendication 4, caracterisee en ce que l'organe d'entrainement de la table mobile est relie a cette derniere, d'une part, par ledit ressort, d'autre part par une liaison a un seul sens destinee a re lier momentanement d'une facon impera tive, la table a son organe d'entrainement a partir d'un certain point de la course dudit organe d'entrainement vers la po– sition de percage, et en troisieme lieu par un tenon a ressort, destine a produire le recul positif de la table apres percage, le dit tenon cooperant avec une rampe fixe pour degager la table au bout d'une par tie de sa course vers la position de ri– vure. 6 Machine suivant la revendication, carac terisee en ce que la course de la table mobile vers la position de percage est plus faible que celle de l'organe moteur qui commande ce mouvement, une liai son elastique permettant d'absorber l'exces de course –et d'appliquer elastique– ment la table mobile contre une butee de terminant la position des outils de per cage dans l'axe du marteau. 7 Machine.suivant la revendication et la sous–revendication 3, caracterisee en ce que le marteau et la matrice sont com mandes automatiquement par un organe excentrique de rivure associe a un accou glement produisant le debrayage et l'ar ret automatiques dudit organe excentrique au bout d'un tour de ce dernier. 8 Machine suivant la revendication et la sous–revendication 2, caracterisee en ce que ledit marteau,est relie aux organes moteurs par une liaison a un seul sens, de facon a pouvoir etre actionne indepen damment de ces organes moteurs pour le percage ou le centrage. 9 Machine suivant la revendication et la sous–revendication 8, caracterisee en ce que le marteau est commande automati quement par un organe excentrique de percage associe a. un accouplement pro duisant le debrayage et l'arret automati ques dudit organe excentrique au bout d'un tour de celui–ci. 10 Machine suivant la revendication et la sous–revendication 3, caracterisee en ce qu'un transporteur est interpose entre la matrice et le distributeur de rivets cor respandant, de facon a eloigner le cou loir dudit distributeur de l'axe commun du marteau et de la matrice. 11 Machine suivant la revendication, carac– t6risee en ce que les outils de percage comportent une plaquette qui supporte un emporte–piece et est reliee a une four chette s'engageant avec un faible jeu sur un goujon du marteau dans la position de percage de la table mobile. 12 Machine suivant la revendication et les sous–revendications 2 –et 11, caracterisee en ce que cette plaquette est rappele dans sa position de repos contre une bu tee reglable, les points morts de la course du marteau etant egalement reglables. 13 Machine suivant la revendication, carac terisee en ce que le dispositif d'alimenta tion de rivets pour le marteau comprend une pince ouvrante portee par la table mobile et dont la chape–support presente une butee reglable limitant, suivant l'e paisseur de l'ouvrage, l'abaissement de la pince ouvrante sous l'action du marteau. 14 Machine suivant la revendication, carac– terisee en ce que la. table mobile porte une pince ouvrante associee au dispositif d'a limentation de rivets pour la matrice. 15 Machine suivant –la revendication –et les sous–revendications 13 et 14, caracterisee en ce que la pince ouvrante, formee de deux moities pressees elastiquement l'une contre l'autre,

presente une ouverture qui, dans la position d$ repos de la pince ou vrante consideree, comprend un, alesage cylindrique raccorde a un chambrage sensiblement elliptique dont le petit dia metre diminue progressivement et qui se raccorde lui−meme au col retreci, les aretes internes des deux moities de la pince etant arrondies. 16 Machine suivant la revendication et la sous−revendication 15, caracterisee en ce que la pince ouvrante superieure presente au−dessus dudit alesage cylindrique un seuil, limite par un epaulement vertical, faisant vis−a−vis a l'extremite du couloir distributeur, et contre lequel les emba ses de rivets sont destinees a buter dans leur mouvement du couloir a la, pince ou vrante, avant.de tomber dans ledit ale sage cylindrique. 17 Machine suivant la revendication et la sous−revendication 16, caracterisee en ce que le couloir du distributeur superieur, de position fixe, associe au marteau, ne coopere avec,sa pince ouvrante que dans la position de percage de la table mo bile. 18 Machine suivant la revendication et les sous−revendications 9 et 17, caracterisee en ce que le tiroir du couloir distributeur superieur est commande par l'organe ex centrique de percage. 19 Machine suivant la revendication et les sous−.revendications 3 et 14, caracterisee en ce que la matrice est entouree et sur montee par un tube−guide monte elasti− quement, et coopere avec la pince ou vrante inferieure, dans laquelle penetre ladite matrice, le tube−guide s'arretant contre la face inferieure de cette pince ou vrante. 20 Machine suivant la revendication et la sous−revendication 10, caracterisee en ce que le transporteur mobile sur une table fixe presente des trous dont le fond est. constitue par cette table fixe et recoit un mouvement de va−et−vient entre le porte−matrice et le couloir du distributeur inferieur. 21 Machine suivant la revendication et les sous−revendications 19 et 2i0, caracterisee en ce qu'une plaquette, percee d'un trou coaxial a la matrice, s'articule sur un axe fixe, de facon a recouvrir normale ment le tube−guide, en formant le prolon gement de la table fixe sur laquelle se meut le transporteur, et a s'effacer apres recul du transporteur lors de la remonte du porte−matrice. 22 Machine suivant la revendication et la sous−revendication 20, caracterisee en ce que le transporteur, mobile sur.sa table fixe, est constitue par une chaine a axes de maillons creux, montee sur plusieurs pignons recevant, d'une part, un mouve ment angulaire, et, d'autre part, un mouvement de va−et−vient entre le porte matrice et le couloir du distributeur in ferieur. 23 Machine suivant la. revendication et la sous−revendication 9, caracterisee en ce que l'alimentation de rivets pour l'outil de pose inferieur est controlee par un ti roir commande par]!organe excentrique de percage. 24 Machine suivant la revendication et la sous−revendication 9, caracterisee en ce que le marteau est commande par un le vier articule sur un coulisseau mobile dans un organe de guidage solidaire de l'organe excentrique de percage. 25 Machine suivant la revendication et les sous−revendications 7 a 9, caracterisee en ce qu'elle comprend une pedale d'enss brayage unique, cooperant avec le dispo sitif de debrayage automatique de l'or gane excentrique de percage, lequel est so lidaire.d'une came qui, vers la fin de la rotation d'un tour de cet organe excentri que, coopere avec un dispositif amenant la tige de.debrayage −de l'organe excen trique de rivure dans la position d'em brayage. 26 Machine suivant la revendication et la sous−revendication 25, caracterisee en ce que la tige de debrayage de l'organe ex−, centrique de percage est solidaire d'un etrier cooperant avec une came solidaire dudit organe excentrique, de facon a ame ner ladite tiges dans sa position de de− hrayage avant que l'organe excentrique n'ait tourne d'un tour complet. 27 Machine suivant la revendication et la sous−revendicatian 24, caracterisee en ce qu'un verrou automatique etablit une liaison positive entre ledit levier et ledit organe de guidage pendant le debut de la course de remontee.du marteau apres percage. 28 Machine suivant la revendication et lea sous−revendications 7 et 27, caracterisee en ce que le marteau et la matrice sont commandes par un levier a genouillere dont l'articulation est mue par l'organe excentrique de rivure, ledit verrou com prenant une broche coulissant dans l'axe creux d'articulation dudit levier sur le dit coulisseau et pouvant penetrer dans un oeil.dudit organe de guidage sous. l'ac tion d'un galet mobile avec ledit levier et.se deplacant sur une rampe solidaire de l'un des bras du levier a genouillere. 2.9 Machine suivant la revendication et la sous−revendication 8, caracterisee en ce qu'un verrou automatique etablit une liaison positive entre ledit marteau et les organes moteurs susindiques, pendant le debut de la course de remontee du mar teau apres rivure. 30 Machine suivant la revendication et les sous−revendications 28 −et 29, caracterisee en ce que l'un des bras du levier a ge nouillere se prolonge par un crochet coo perant avec un bossage du levier de com mande du marteau lorsque l'angle fait par ces deux leviers est voisin de son maximum. 31 Machine suivant la revendication et les sous−revendications 18 et 23, caracterisee en ce que les deux tiroirs distributeurs sont actionnes par une tige deplacee dans un sens par le mouvement de l'organe excentrique de percage et dans l'autre par un ressort, une butee s'opposant a l'ac tion du ressort, mais pouvant s'effacer sous l'action de la table mobile lorsque celle−ci passe de la position de percage a la position de rivure. 32 Machine suivant la revendication, caracte risee en ce qu'elle comprend un dispositif d'avancement automatique de l'ouvrage, independant des outils de pose. 33 Machine suivant la revendication et la sous−revendication 32, caracterisee en ce que ce dispositif provoque l'avancement de l'ouvrage pendant le deplacement de la table mobile de la position de rivure vers la position de percage. 34 Machine.suivant la revendication et les sous−revendications 32 et 33, caracterisee en ce qu'elle comprend un levier horizon tal relie a un organe d'entrainement, et mobile autour d'un axe vertical sous l'action d'un organe mobile de la ma chine, un levier presseur mobile dans un plan vertical appuyant sur ledit levier horizontal pour engager ledit organe d'entrainement sur l'ouvrage sous l'action d'une came solidaire de l'organe de com mande des outils de rivure, et un disposi tif reliant le levier presseur audit organe presseur pour relever ce dernier pendant la course d'avancement de l'ouvrage. 35 Machine suivant la revendication et la sous−revendication 32, caracterisee en ce qu'elle comprend plusieurs groupes d'ou tils de p@rca−ge et de rivure echelonnes en profondeur, de facon a percer simultane ment plusieurs trous et a poser simultane ment des rivets dans les trous respectifs et des moyens pour modifier la, direction d'avancement de l'ouvrage. 21 36 Machine suivant la revendication et les sous−revendications 25 et 32, caracterisee en ce que l'organe excentrique de rivure est solidaire d'un toc qui, vers la fin de la rotation d'un tour de cet organe excen trique, coopere avec un dispositif amenant la tige de debrayage de l'organe excentri− que de percage dans la position d'em brayage. 37 Machine suivant la revendication et la sous−revendication 10, caracterisee en ce que ledit transporteur comprend' un pla teau rotatif −et a mouvement de va−et− vient, portant des leviers pivotants munis de tetons d'entrainement susceptibles de s'engager dans les rivets, ces leviers etant commandes au droit du couloir d'alimen tation inferieur par une rampe fixe, et au droit de la matrice par une saillie mo bile verticalement avec le porte−matrice inferieur. CLAIM Automatic Machine ask e1 similar applications rivets, CHARACTERIZED in that the drilling tools are worn by ta

ble mobile, while the tools laying corner– take a guide in the hammer bati fix, the $ = d machine, the work queue is maintained by a pressing member and a link mechanism and synchronized movements being combined with the control mechanisms of the movable table –and said tools, so that the mobile table moves in relation the book was to bring the axis of drilling tools in the hammer drilling axis in the po sition of the movable table and to make way audit riveting hammer in position of said movable table. DEPUTY CLAIMS: 1 machine of claim for riveting into two parts, characterized in that it comprises two rivets Elements feeders, say poses both sides of the table mo bile and intended to cooperate with the respective installation tools to ask the two ele ments rivet in the same hole in the same book. Machine according to claim 2, charac terized in that the hammer is arranged to actuate the drilling tools in the drilling position of the movable table. Machine according to claim 3, charac terized in that the lower running tool is constituted by a movable die follow ing the axis of the hammer. Machine according to claim 4 and the sub–claim 3, characterized in that the movements of the hammer, the die holder and member ment causes the table are conjugated positive ment, while the table is in its separate driving member before the end of its travel to the riveting position of –a way be held by a spring in its final position riveting, against a butee during the time required to perform the riveting. Machine according to claim 5 and the sub–claim 4, characterized in that the mobile table drive member is connected thereto, on the one hand, by said spring on the other by a bond to a one direction destiny has received a binding momentarily impera tive way, the table has a driving member from a certain point of the race of said drive member to the posi– tion of drilling, and thirdly by a tenon spring intended to produce the positive decline of the table after drilling, said pin cooperating with a fixed ramp to untap the table after a par t of the way towards the position of ri– VING. Machine of claim 6, charac terized in that the stroke of the moving table to the drilling position is weaker than that of the motor unit that controls the movement a LIAI its elastic to absorb the excess stroke –and applying resiliently the movable table against a stop of the ending position of the tools per cage in the axis of the hammer. 7 Machine.suivant claim and under–claim 3, characterized in that the hammer and the matrix are com mands automatically by an eccentric member of riveting combines a Accou producing regulations to sewing and automatic ret ar said eccentric organ after one revolution of the latter. Machine according to claim 8 and under–claim 2, wherein said hammer is connected to the organs engines with a bond has only one direction of way has to be indepen dently activates these engines bodies for the drilling or centering.dropoff window Machine according to claim 9 and under–claim 8, wherein in that the hammer is auto matically control by an eccentric body piercing combines a. coupling pro ducing to sewing and stop automati c said eccentric body after a tour of it. Machine according to claim 10 and under–claim 3, characterized in that a carrier is interposed between the matrix and the distributor of rivets respandant horn, way to stay strictly a neck dormouse said distributor the common axis of the hammer and the matrix. Machine according to claim 11, character– t6risee in that the drilling tools include a plate that supports cookie–piece and has a reliee chette oven engaging with little clearance on a pin hammer in the drilling position the movable table. Machine of claim 12 and dependent claims 2 –and 11, characterized in that the wafer is recalled in its rest position against a bu t adjustable, break of the race of the hammer being also adjustable. Machine according to claim 13, charac terized in that the rivet tion fueled device for the hammer comprises an openable clamp carried by the movable table and including the tread–support has an adjustable stop limiting, according to the thickness e book, lowering the clamp opens under the action of the hammer. Machine according to claim 14, character– ized in that.Mobile table has an opening clip associated with a rivet Power supply device for the matrix. Machine according to claim 15 –and –the sub–claims 13 and 14, characterized in that the opening clip, formed of two halves PRESSED elastically one against the other, has an opening which, in the rest position of $ d the clamp or vrante regarded comprises one cylindrical bore connected to a substantially elliptical recess in which the small dia meter gradually decreases and that connects itself to the tapered neck, the inner edges of the two halves of the clamp are rounded. Machine according to claim 16 and under–claim 15, characterized in that the upper clamp opening presents above said cylindrical boring a threshold limit by a vertical shoulder, making vis–a–vis at the tip of the distributor lane, and against which the emba its rivets are destinies in their movement has abut the corridor has, pliers or vrante, avant.de fall into said cylindrical wise ale. Machine of claim 17 and under–claim 16, characterized in that the upper corridor distributor, fixed position associated with the hammer, cooperates with his forceps opening in the drilling position of the mo bile table. Machine according to claim 18 and dependent claims 9 and 17, characterized in that the upper drawer distributor lane is control by the former centric body piercing. Machine according to claim 19 and sub–.revendications 3 and 14, characterized in that the matrix is surrounded by a buildup and guide tube elastically mounted and cooperates with the lower clamp or vrante in which penetrates the matrix The guide tube stopping against the underside of the clamp or vrante. Machine according to claim 20 and the sub–claim 10, characterized in that the movable carrier on a fixed table has holes whose bottom. constitutes the fixed table and receives a back–and–forth between the die holder and the corridor of the lower distributor. Machine according to claim 21 and dependent claims 19 and 2I0, characterized in that a plate, pierced with a coaxial hole matrix, is based on a fixed axis in a way to cover mally the guide tube, forming the prolongation ment of the fixed table that moves the carrier, and fade back after the carrier at the back of the die holder. Machine according to claim 22 and the sub–claim 20, characterized in that the carrier, mobile sur.sa fixed table is constituted by a chain hollow link pins mounted on a plurality of gears receiving, on the one hand, a MOTION ment angle, and on the other hand, a back–and–forth between the matrix and the corridor door distributor in ferieur. 23 machine of. claim and the sub–claim 9, characterized in that the rivet feed to the lower running tool is controlled by a control by ti ror]! eccentric piercer. Machine according to claim 24 and the sub–claim 9, characterized in that the hammer is controlled by the sink based on a mobile slide in a fixed guide member of the eccentric member bore. Machine according to claim 25 and dependent claims 7 to 9, characterized in that it comprises a pedal to ss Single clutch, cooperating with the operative available automatic gold disengaging gane eccentric drilling, which is so lidaire.d'une cam towards the end of the rotation of a turn of the excentri body that cooperates with a device by the stem de.debrayage –in excen cudgel rivet body in the clutch position em.dropoff window Machine according to claim 26 and under–claim 25, characterized in that the body of former disengaging rod centric drilling is integral with a caliper cooperating with a cam said eccentric body of a soul ner way said rods in its position of de hrayage before the eccentric member has turned one full turn. Machine of claim 27 and under–revendicatian 24, characterized in that an automatic lock establishes a positive connection between said lever and said guide

member during the start of the race after remontee.du hammer drilling. Machine according to claim 28 and lea subclaims 7 and 27, characterized in that the hammer and the matrix are controlled by a toggle lever whose joint is driven by the eccentric member of riveting, said com taking a lock pin sliding in the hollow hinge pin of said lever on said slider and can penetrate into a oeil.dudit guide member under. the ac tion of a moving roller with said et.se lever moving on a ramp secured one of the arms of the toggle lever. 2.Machine according to claim 9 and under−claim 8, characterized in that an automatic lock establishes a positive connection between said hammer and motor organs MENTIONED ABOVE, during the start of the ski lift travel of March teau after riveting. Machine according to claim 30 and the subclaims 28 −and 29, characterized in that one of the lever arm has nouillere ge is extended by a hook coo−operating with a projection of the com control lever of the hammer when the angle made by these two levers is close to its maximum. Machine according to claim 31 and dependent claims 18 and 23, characterized in that both distributors drawers are actuated by a displaced shaft in one direction by the movement of the eccentric member of drilling and in the other by a spring, a butee opposing to the ac tion of the spring, but may fade under the action of the moving table when it changes from drilling to position the riveting position. Machine according to claim 32, character ized in that it comprises an automatic feeding device of the structure, independent of the installation tools. Machine of claim 33 and under−claim 32, characterized in that the device causes the progress of the works during the displacement of the movable table of the position of riveting to drilling position. Machine.suivant claim 34 and dependent claims 32 and 33, characterized in that it comprises a horizon tal lever connected to a drive member and movable about a vertical axis under the action of a member mobile ma chine, a mobile pressure lever in a vertical plane based on said horizontal lever to engage said drive member on the structure under the action of a cam of the organ of com mand rivet tools and a tif provisions linking the presser said lever pressing member to meet the latter during the forward stroke of the book. Machine according to claim 35 and under−claim 32, characterized in that it comprises several groups or ls p @ ge rca and riveting in installments depth, way to pierce ment simultaneous several holes and ask simultaneous ment rivets in the respective holes and means for changing the direction of progress of the work. 21 machine of claim 36 and dependent claims 25 and 32, characterized in that the eccentric member is secured to a riveting toc who towards the end of the rotation of a turn of the body excen cudgel, cooperates with the device by disengaging the eccentric shaft member that drilling in the em clutch position. Machine according to claim 37 and under−claim 10, characterized in that said conveyor comprises a rotary pla teau−and has moved back and forth, carrying pivoting levers provided with training nipples likely to engage in rivets, these levers being right controls the lower corridor Alimen tation by a fixed ramp, and the right of the matrix by a projection mo bile vertically with the lower die holder.

0) GB383459A – IMPROVEMENTS IN APPARATUS FOR COUNTING AND FILL...

20) Family number: 20098839 (GB383459A) © PatBase

Title: Improvements in apparatus for counting and filling coins, tablets and the like into containers

Family:

Publication number	Publication date	Application number	Application date
GB383459 A	19321117	GB19310035335	19311221

Probable Assignee: WILHELM SEIDENADER

Assignee(s):(std)**:** SEBASTIAN SEIDENADER ; WILHELM SEIDENADER

International class (IPC 8–9)**:** G07D9/06 (Advanced/Invention); G07D9/06 (Core/Invention)

International class (IPC 1–7)**:** G07D9/04

CPC: G07D9/065

European class: G07D9/06B

Classification Explorer

Forward Citations: US2997203,

Abstract:
Source: GB383459A [Class 94 (i).] Coins, tablets and the like are separated from bulk and inserted, in predetermined quantities, in glass tubes or like containers. The tablets and c. are forced towards the top of a magazine 2, which may be of glass, by a piston 3, Fig. 6, which may be of the same material. The head of the piston is of conical shape and causes the tablets to pass on to a flat rotating platform 14 running on a ball race and driven by a belt engaging a flange 16. The tablets are caused, by centrifugal action, to arrange themselves around a cushioned ring 22, and pass beneath a deflector 23 into an inclined shoot 24, 25. The width of the shoot may be varied by adjusting the sides. The foremost tablet is arrested by a projection 30 <1> on a lever 30, and when the shoot has been filled behind this point, the lever is moved over by a handle 31 to release a predetermined number of tablets, and arrest the remainder by a projection 30 <11> . The released tablets pass over a movable portion of the shoot which is jigged by a cam 34, and into a tube 37 held in position by clips 38.

0) US1896717A – TRAILER

21) Family number: 20995778 (US1896717A) © PatBase

Title: TRAILER

Priority: 19290111 US19300419132 19300107

Family:

Publication number	Publication date	Application number	Application date
US1896717 A	19330207	US19300419132	19300107

Probable Assignee: FIELDER MOTT STANLEY

Assignee(s):(std)**:** FIELDER MOTT STANLEY

Inventor(s):(std)**:** FIELDER MOTT STANLEY

Inventor(s): MOTT STANLEY FIELDER

International class (IPC 8–9)**:** B62D53/06 (Advanced/Invention); B62D53/00 (Core/Invention)

CPC: Y10S280/09 B62D53/061

European class: B62D53/06B

US class: 280/426 280/443 280/7 280/DIG.9

Classification Explorer

Forward Citations: US3383119, US2579003, US2574017, US2549178,

Abstract:
Source: US1896717A 1. In a trailer vehicle, the combination of a low level fioor, means to afford access to the floor at about the floor level, a. high level main longitudinal frame from which the floor is suspended to provide a clear iioor spacc from side to side beneath the frame, an axle arranged above the level of the floor, and means connecting the axle rigidly with the frame.

0) GB392182A – IMPROVEMENTS IN PHOTOGRAPHIC CAMERAS

22) Family number: 20521678 (GB392182A) © PatBase

Title: Improvements in photographic cameras

Priority: GB19310027608 19311005

Family:

Publication number	Publication date	Application number	Application date
GB392182 A	19330505	GB19310027608	19311005

Probable Assignee: HERNY BANCROFT STRINGER

Assignee(s):(std): HERNY BANCROFT STRINGER

International class (IPC 8–9): F41G3/26 (Advanced/Invention); F41G3/00 (Core/Invention)

International class (IPC 1–7): F41G3/26

CPC: F41G3/2605

European class: F41G3/26B

Classification Explorer

Abstract:
Source: GB392182A 27608. [Class 98 (i).] A camera of the single–shot type for photographing a target when an operation representing the firing of a gun is performed comprises in combination, (1) shutter–setting and release levers 16, 17, Fig. 8, rotatable about the same axis 141, the shutter being set by movement of the lever 16 in one direction and subsequent movement of the lever 17 in the opposite direction releasing the shutter and resetting the lever 16, and (2) film–changing mechanism in which a free–wheel clutch on the film–spool spindle is driven by a reversible pinion 56, Fig. 1, this pinion and the setting–lever being operated from a common toothed wheel 27, Fig. 17, which is actuated by means such as a Bowden cable 32 when an operation representing the cocking of the gun is performed. The bracket shown in plan in Fig. 17, which is adjustably mounted on the plane of an aircraft, supports the camera shown in Fig. 1 by the engagement of apertured lugs 6 in the camera with corresponding lugs 9 on the bracket. The setting–lever 16 is actuated by the upstanding member 19 moved by the wheel 27, and the release–lever 17 by the member 41 operated by a Bowden cable 46 when a member representing the firing–trigger is pulled. The camera can be readily removed from the bracket without disturbing the cocking and firing mechanism. The camera shown in Fig. 1 includes (1) a forward lens compartment A with semicylindrical lens–capping members 63, 64, (2) a compartment B carrying the shutter mechanism on a removable plate 18, and a watch–face time recorder, (3) a compartment C for the film spools, and (4) a rear compartment D having a readily removable door 92 to permit of a through–view for alignment purposes. The shutter mechanism shown in Fig. 8 operates a louvre shutter 3 of the kind described in Specification 365,224 which is released when a bracket 131 is moved upwardly by a crank 132 the crank pin 142 of which normally rests in a recess 138 in the bracket and occupies a long slot 133 in a lever 134 depending from a fixed pivot 135. To set the shutter, the parts are moved to the position shown by lever 16, bell crank 153, link 137 and lever 134 against the action of an adjustable timing spring 78, the crank pin 142 moving into a short slot in the lever 134 and the parts being retained by a catch 150 engaging a projection 148 on the link 137. To release the shutter, an arm 152 is moved by the lever 17 to raise the catch 150 about its pivot 152 , the lever 134 flies forward, and the crank pin 142 being retained by the short slot, the bracket 131 rises to operate the shutter. The releaselever 17 operates through a bifurcated arm 73 engaging radial slots 71 in discs 65 to open the semicylindrical lens–capping members 63, 64 which may be retained open, when viewing the target through the end door 92, by a catch 122 engaging a notch 121 in the arm 73. The shutter–release is controlled by a dashpot 162 having a switch as described in Specification 370,721, [Group XXXVII], to close contacts 160, 161 so that the time which elapses between pulling and releasing the trigger can be ascertained from the watch–faces reproduced on the film. A graticule marked with concentric circles and vertical and horizontal diametral lines is provided for use when aligning the camera with the gun sights. In a modification, Fig. 21, the same shutter and film–feed mechanism is embodied in a practice gun of the Lewis type, the setting–lever 16 and film–changing pinion being operated by the cocking–handle 166 and the release–lever 17 being connected with the trigger 165. In this construction, the gun is straddled by a removable magazine 173 carrying compartments for two spare filmcarriers which can be used to replace the carrier 104.

0) US1946388A – RECOIL OPERATED SMALL ARM

23) Family number: 20583054 (US1946388A) © PatBase

Title: RECOIL OPERATED SMALL ARM

Priority: GB19320011435 19320421

Family:

Publication number	Publication date	Application number	Application date
BE395751 A	00000000		00000000
FR754377 A	19331106		19330414
GB400588 A	19331023	GB19320011435	19320421
US1946388 A	19340206	US19330664402	19330404

Probable Assignee: ARNOLD LOUIS CHEVALLIER

Assignee(s):(std)**:** ARNOLD LOUIS CHEVALLIER ; CHEVALLIER SELF LOADING FIRE A

Assignee(s): CHEVALLIER SELF LOADING FIRE ARMS LIMITED ; CHEVALLIER SELF LOADING FIRE ARMS LTD

Inventor(s):(std)**:** LOUIS CHEVALLIER ARNOLD

Inventor(s): CHEVALLIER ARNOLD LOUIS

International class (IPC 8–9): F41A17/46 F41A17/74 F41A17/76 F41A19/43 F41A3/44 F41A3/72 F41A5/10 F41A9/18 (Advanced/Invention); F41A17/00 F41A19/00 F41A3/00 F41A5/00 F41A9/00 (Core/Invention)

International class (IPC 1–7): F41C5/00 F41D1/02 F41D5/02

CPC: F41A3/44 F41A3/72 F41A5/10 F41A9/18 F41A17/46 F41A17/74 F41A17/76 F41A19/43

European class: F41A17/46 F41A17/74 F41A17/76 F41A19/43 F41A3/44 F41A3/72 F41A5/10 F41A9/18

US class: 42/16 42/69.03 89/128 89/140 89/182 89/187.01

Classification Explorer

Forward Citations: WO12097334, WO12097334, US9488423, US9228786, US9038525, US8973483, US8813406, US6550173, US5913262, EP0896198,

Abstract:
Source: GB400588A 11435. [Classes 92 (ii) and 119.] Relates to automatic firearms in which the breech–action is controlled by an inertia member, and consists mainly in a breech mechanism comprising a sliding breech block normally locked by an intermediate member or brace slidably connected with an inertia member, the arrangement being such that when a shot is fired, the inertia member first moves forward relatively to the other parts and is then thrust back by a spring whereupon the inertia member is moved upward by oblique slots and lifts the brace to unlock the breechblock. As shown in Fig. 1, the breech–block 3 is held at its rear end by the brace 20, which has oblique surfaces 21 in contact with corresponding surfaces in the sides of the breech frame, the inclination of these surfaces being about 71 so that the surfaces jam under the recoil pressure but can slip when this pressure has been reduced. In addition, the brace is held in place by the inertia member 27, which is slidably connected with the brace and has pins 29 in engagement with slots 30 in the breech frame. Fingers 28 depend from the front end of the inertia member and engage behind lugs upstanding from a so called conveyor 24 resembling a thimble, which fits into the breech–block and lies between a spring 25 acting on the breech–block and a spring 26 tending to retract the firing–pin 2. When a shot is fired, a lug 44 on the firing–pin bears on a shoulder on the brace adding its support to the jamming action of the oblique surfaces 21 while the brace is still positively locked by the inertia member which moves forward against a spring 31 and at the same time moves the conveyer forward against the spring 25. After this, the inertia member is moved back by the spring 31, and the inclined parts of the slots 30 then lift the member up and with it the brace; and the conveyer and the breech–block are thus unlocked. The rearward movement of the inertia member is stopped by shoulders 92 thereon abutting against shoulders 93 on the sides of the breech frame. The rearward opening movement of the breech–block against a spring 35 cocks a hammer 4 by means of a projection 97 on the firing–pin and extracts the spent cartridge by means of an extractor 38; and a spring urged ejector 39 ejects the cartridge upwards. A fresh cartridge is fed from a magazine 42 ; the breech–block moves forward again ; and the brace 21 under the influence of a spring 91 is moved down again to the locking position. For safety, the firing–pin 2 which is confined in the breechblock by a pin and slot 46 is retained in a retracted position by a bell–crank lever 47, which is deflected by the hammer 4 just before it strikes the firing–pin. The pivoted hammer 4 is connected to a rod 6 influenced by a spring 5, and is held cocked by a sear 7 to which is pivoted a member 17, 19 influenced by a spring 11 through a rod 10 and co–operating with the nose 14 of a trigger 15. The hammer can be locked or unlocked by a spindle 51 with a flat side, which can be turned by a handle 52, Fig. 4, the boss of which is cam shaped and operates a spring plunger 53 to lock the

inertia member 27 when the hammer is locked. The hammer is also locked by the engagement of a tooth 60 on the rod 6 by a pawl 59 on a bell−crank 58, 57, so long as the inertia member is in a retracted position and deflects the crank 57 ; this prevents friction between the hammer and the breech−block. Similarly to prevent serious friction between the fingers 28 and the returning breech−block, the inertia member is held back by a catch 71 on a lever 68 until the breechblock is closed and deflects the other end 69 of the lever 68. The catch 71 is put in action when the breech−block begins to recoil and the end of the lever 68 on which the catch is situated. The lever 68 may also be spring operated and may be fitted with an ejector. Still further safety is provided by a transversely sliding trigger lock 65, which can be placed in three different positions. In one position, it locks the trigger; in a second position for continuous firing, it allows a partial pull of the trigger which keeps the hammer released so long as the trigger is pulled ; and in a third position for single shot firing, it allows a full pull of the trigger which makes the nose 14 slip past the sear 17 after the hammer has been released. The automatic action of the inertia member may be prevented by means of a vertically sliding locking bolt 79. The breech−mechanism may then be operated by a handle 82, Fig. 5, attached to two slides 81, 84, the slide 81 having a lug 83 for lifting the inertia member 27, and the slide 84 having a heel 85 for retracting the breechblock. The inertia member is then held back by a notch 95 therein falling over the lug 83, and the breech−block is held in the retracted position by the cartridge follower 89 of the magazine until this is depressed by the insertion of a fresh cartridge. The follower 89 also holds the breech open when the magazine is emptied by automatic firing. An extension 87 of the slide 81 serves as a dust cover for the slot 88 in the breech frame required for the co−operation of the slides 81 and 84. The rear end of the breech−action is closed by an abutment 37 hinged at 73 and locked in place by a spring operated catch 76, which can be disengaged by the insertion of a pin in a hole 78. The abutment 37 supports a plate 36 which takes the thrust of the recoil spring 35. For opening and inspecting the breech−action, the inertia member 27 which forms a cover is first raised and held raised by the bolt 79, which for this purpose is moved to a second higher position, the rear abutment 37 is swung open, the stock and trigger plate are turned about a hinge 96 relatively to the barrel and magazine, and the breech−block, the conveyor, the firing−pin, the rear plate 36 and the springs of these parts are withdrawn through the open rear end. In a shot gun provided with a similar breech−action, the magazine is a tube 101, Fig. 17, under the barrel. The cartridges are delivered one at a time past gates 115 to a spoon 106, which lifts the cartridge into line with the breech−block and is retained lifted by a pivoted catch until this is deflected by the return of the inertia weight to the normal locking position. A flap 111 pivoted to the spoon at 109 and provided with a heel 110 serves to stop the breech−block in the open position when the magazine is empty ; and a finger 112 on the conveyer holds the heel 110 down when the breech−block moves forward. For those who are accustomed to a loading handle slidably mounted on the magazine, such a handle is provided in addition to the handle 82 and is fitted with a slide which when the handle is pulled back bears on and operates the slide 84. A spring catch serves to hold the sliding handle in the forward or the backward position. In a modification, Fig. 27, allowing for single shot firing only, there is no pivoted hammer, and the firing−pin 2 is itself held cocked by a sear 127 adapted to be pulled and released by a slip catch 131, which is pivoted at 134 to the trigger 15 and is deflected forward by a fixed abutment 133 when drawn down by a pull on the trigger. The catch 131 is locked by a crank 136 until the inertia member 27 has returned to the breech locking position.

0) US1945442A – WASHING MACHINE

24) Family number: 20302684 (US1945442A) © PatBase

Title: WASHING MACHINE

Priority: 19300109 US19300505900 19301231

Family:

Publication number	Publication date	Application number	Application date
US1945442 A	19340130	US19300505900	19301231

Probable Assignee: BAKER PERKINS LTD

Assignee(s):(std)**:** BAKER PERKINS LTD

Assignee(s): BAKER PERKINS LIMITED

Inventor(s):(std)**:** EDWARD POINTON JOHN

Inventor(s): POINTON JOHN EDWARD

International class (IPC 8–9)**:** D06F95/00 (Advanced/Invention); D06F95/00 (Core/Invention)

International class (IPC 1–7)**:** D06F21/04

CPC: D06F95/00

European class: D06F95/00

US class: 68/208 68/210

Classification Explorer

Forward Citations: US3712090, US3264848, US3238751,

Abstract:
Source: US1945442A 1. A laundry washing machine comprising a perforated drum mounted for movement about its axis, an oscillatable water case enclosing the drum and having a peripheral loading and unloading aperture, a stationary casing surrounding the water case and having an opening in its periphery, said casing forming a closure element for the loading and unloading aperture when the water case is oscillated into the washing position, an outlet gravity valve mounted on the water case opposite to the loading and unloading aperture, a stem for the valve, said stem extending outwardly of the water case, and a ramp on the stationary casing located in the path of the stem, said ramp having an inclined part for engagement by the stem to move the stem inwardly to open the valve during a predetermined travel of the water case.

0) GB406333A – IMPROVEMENTS IN OR RELATING TO THERMALLY ACTUAT...

25) Family number: 19705882 (GB406333A) © PatBase

Title: Improvements in or relating to thermally actuated apparatus

Priority: GB19320023268 19320819

Family:

Publication number	Publication date	Application number	Application date
GB406333 A	19340219	GB19320023268	19320819

Probable Assignee: ARTHUR GEORGE BULLEN

Assignee(s):(std)**:** ARTHUR GEORGE BULLEN

International class (IPC 8–9)**:** H01H71/20 (Advanced/Invention); H01H71/12 (Core/Invention)

International class (IPC 1–7)**:** H01H71/16

CPC: H01H71/20

European class: H01H71/20

Classification Explorer

Abstract:
Source: GB406333A 23268. [Class 38 (v).] A thermally–actuated apparatus comprises a container provided with a wax substance, a resilient member connected within the container and embedded in the wax, mechanical means actuated on relative movement taking place between the container and resilient member on the softening of the wax, the member automatically restormg the relative position of the container and itself while the wax is still soft, and means for setting or releasing the apparatus when the wax is solid without altering the relative position of the container and resilient member. Wax is defined as any fusible substance which hardens or softens as the amount of heat applied or extracted varies. The invention may be used as a temperature alarm, for instance, in the bearings of machinery, where air, oil or water flow may cease. Fig. 1 shows the application to tripping the switch of a three–phase circuit. The wax containers 6 are connected in the outers of the lines A, B, C feeding the motor 4 and each contains a helical spring 8 secured at the foot to the container and at the top to a contact–carrying lever 9, pivoted between a stop 11 and a plunger 10 urged upwards by a spring 12. A lever 13 carries at the upper end a contact which engages that 9 on the lever 9, and a spring 14 pushes on the lever 13 to urge the contact thereon past that 9 , which action is resisted by the spring 7 co–operating with the solid wax in the containers. The button 9 can be moved to the right to depress the lever 9 by compressing the spring–plunger 10, 12, so opening the circuit of the hold–on coil 5. Opening under overload conditions is effected by the wax softening or melting so that spring 14 overcomes spring 7 and 13 moves to the "off" position as shown at the phase C. The wax may be melted either by excess current in the springs 7 which are in series with 5, or by excess current in the lines (due to single–phasing, for instance) causing the container to get overheated. In Fig. 2, a conducting ball 18 is mounted on a disc 19 urged into the position shown by a spring 16 in solid wax. An arm 20 pivoted to a spring member 21 is held in the position shown until the wax softens whereupon spring 23 becomes strong enough to pull 20 past 18 and compress 16, which however returns 18 immediately. In closing, 22 pulls 20 past 18, the spring member 21 yielding to allow this. The Specification describes and illustrates other forms the invention may assume, including the use of a strip spring, and a three–phase switch in which an overload in one phase causes simultaneous opening of all phases. Specification 378,556 is referred to.

- **search:** SS5 (4) and sFT=((game or competition) and assist*) (Results 335)
- List: SS5 1–25 ((4) and sFT=((game or competition) and assist*)) (Results 335)

0) US1946388A – RECOIL OPERATED SMALL ARM

1) Family number: 20583054 (US1946388A) © PatBase

Title: RECOIL OPERATED SMALL ARM

Priority: GB19320011435 19320421

Family:

Publication number	Publication date	Application number	Application date
BE395751 A	00000000		00000000
FR754377 A	19331106		19330414
GB400588 A	19331023	GB19320011435	19320421
US1946388 A	19340206	US19330664402	19330404

Probable Assignee: ARNOLD LOUIS CHEVALLIER

Assignee(s):(std)**:** ARNOLD LOUIS CHEVALLIER ; CHEVALLIER SELF LOADING FIRE A

Assignee(s): CHEVALLIER SELF LOADING FIRE ARMS LIMITED ; CHEVALLIER SELF LOADING FIRE ARMS LTD

Inventor(s):(std)**:** LOUIS CHEVALLIER ARNOLD

Inventor(s): CHEVALLIER ARNOLD LOUIS

International class (IPC 8–9): F41A17/46 F41A17/74 F41A17/76 F41A19/43 F41A3/44 F41A3/72 F41A5/10 F41A9/18 (Advanced/Invention); F41A17/00 F41A19/00 F41A3/00 F41A5/00 F41A9/00 (Core/Invention)

International class (IPC 1–7): F41C5/00 F41D1/02 F41D5/02

CPC: F41A3/44 F41A3/72 F41A5/10 F41A9/18 F41A17/46 F41A17/74 F41A17/76 F41A19/43

European class: F41A17/46 F41A17/74 F41A17/76 F41A19/43 F41A3/44 F41A3/72 F41A5/10 F41A9/18

US class: 42/16 42/69.03 89/128 89/140 89/182 89/187.01

Classification Explorer

Forward Citations: WO12097334, WO12097334, US9488423, US9228786, US9038525, US8973483, US8813406, US6550173, US5913262, EP0896198,

Abstract:
Source: GB400588A 11435. [Classes 92 (ii) and 119.] Relates to automatic firearms in which the breech–action is controlled by an inertia member, and consists mainly in a breech mechanism comprising a sliding breech block normally locked by an intermediate member or brace slidably connected with an inertia member, the arrangement being such that when a shot is fired, the inertia member first moves forward relatively to the other parts and is then thrust back by a spring whereupon the inertia member is moved upward by oblique slots and lifts the brace to unlock the breechblock. As shown in Fig. 1, the breech–block 3 is held at its rear end by the brace 20, which has oblique surfaces 21 in contact with corresponding surfaces in the sides of the breech frame, the inclination of these surfaces being about 71 so that the surfaces jam under the recoil pressure but can slip when this pressure has been reduced. In addition, the brace is held in place by the inertia member 27, which is slidably connected with the brace and has pins 29 in engagement with slots 30 in the breech frame. Fingers 28 depend from the front end of the inertia member and engage behind lugs upstanding from a so called conveyor 24 resembling a thimble, which fits into the breech–block and lies between a spring 25 acting on the breech–block and a spring 26 tending to retract the firing–pin 2. When a shot is fired, a lug 44 on the firing–pin bears on a shoulder on the brace adding its support to the jamming action of the oblique surfaces 21 while the brace is still positively locked by the inertia member which moves forward against a spring 31 and at the same time moves the conveyer forward against the spring 25. After this, the inertia member is moved back by the spring 31, and the inclined parts of the slots 30 then lift the member up and with it the brace; and the conveyer and the breech–block are thus unlocked. The rearward movement of the inertia member is stopped by shoulders 92 thereon abutting against shoulders 93 on the sides of the breech frame. The rearward opening movement of the breech–block against a spring 35 cocks a hammer 4 by means of a projection 97 on the firing–pin and extracts the spent cartridge by means of an extractor 38; and a spring urged ejector 39 ejects the cartridge upwards. A fresh cartridge is fed from a magazine 42 ; the breech–block moves forward again ; and the brace 21 under the influence of a spring 91 is moved down again to the locking position. For safety, the firing–pin 2 which is confined in the breechblock by a pin and slot 46 is retained in a retracted position by a bell–crank lever 47, which is deflected by the hammer 4 just before it strikes the firing–pin. The pivoted hammer 4 is connected to a rod 6 influenced by a spring 5, and is held cocked by a sear 7 to which is pivoted a member 17, 19 influenced by a spring 11 through a rod 10 and co–operating with the nose 14 of a trigger 15. The hammer can be locked or unlocked by a spindle 51 with a flat side, which can be turned by a handle 52, Fig. 4, the boss of which is cam shaped and operates a spring plunger 53 to lock the

inertia member 27 when the hammer is locked. The hammer is also locked by the engagement of a tooth 60 on the rod 6 by a pawl 59 on a bell−crank 58, 57, so long as the inertia member is in a retracted position and deflects the crank 57 ; this prevents friction between the hammer and the breech−block. Similarly to prevent serious friction between the fingers 28 and the returning breech−block, the inertia member is held back by a catch 71 on a lever 68 until the breechblock is closed and deflects the other end 69 of the lever 68. The catch 71 is put in action when the breech−block begins to recoil and the end of the lever 68 on which the catch is situated. The lever 68 may also be spring operated and may be fitted with an ejector. Still further safety is provided by a transversely sliding trigger lock 65, which can be placed in three different positions. In one position, it locks the trigger; in a second position for continuous firing, it allows a partial pull of the trigger which keeps the hammer released so long as the trigger is pulled ; and in a third position for single shot firing, it allows a full pull of the trigger which makes the nose 14 slip past the sear 17 after the hammer has been released. The automatic action of the inertia member may be prevented by means of a vertically sliding locking bolt 79. The breech−mechanism may then be operated by a handle 82, Fig. 5, attached to two slides 81, 84, the slide 81 having a lug 83 for lifting the inertia member 27, and the slide 84 having a heel 85 for retracting the breechblock. The inertia member is then held back by a notch 95 therein falling over the lug 83, and the breech−block is held in the retracted position by the cartridge follower 89 of the magazine until this is depressed by the insertion of a fresh cartridge. The follower 89 also holds the breech open when the magazine is emptied by automatic firing. An extension 87 of the slide 81 serves as a dust cover for the slot 88 in the breech frame required for the co−operation of the slides 81 and 84. The rear end of the breech−action is closed by an abutment 37 hinged at 73 and locked in place by a spring operated catch 76, which can be disengaged by the insertion of a pin in a hole 78. The abutment 37 supports a plate 36 which takes the thrust of the recoil spring 35. For opening and inspecting the breech−action, the inertia member 27 which forms a cover is first raised and held raised by the bolt 79, which for this purpose is moved to a second higher position, the rear abutment 37 is swung open, the stock and trigger plate are turned about a hinge 96 relatively to the barrel and magazine, and the breech−block, the conveyor, the firing−pin, the rear plate 36 and the springs of these parts are withdrawn through the open rear end. In a shot gun provided with a similar breech−action, the magazine is a tube 101, Fig. 17, under the barrel. The cartridges are delivered one at a time past gates 115 to a spoon 106, which lifts the cartridge into line with the breech−block and is retained lifted by a pivoted catch until this is deflected by the return of the inertia weight to the normal locking position. A flap 111 pivoted to the spoon at 109 and provided with a heel 110 serves to stop the breech−block in the open position when the magazine is empty ; and a finger 112 on the conveyer holds the heel 110 down when the breech−block moves forward. For those who are accustomed to a loading handle slidably mounted on the magazine, such a handle is provided in addition to the handle 82 and is fitted with a slide which when the handle is pulled back bears on and operates the slide 84. A spring catch serves to hold the sliding handle in the forward or the backward position. In a modification, Fig. 27, allowing for single shot firing only, there is no pivoted hammer, and the firing−pin 2 is itself held cocked by a sear 127 adapted to be pulled and released by a slip catch 131, which is pivoted at 134 to the trigger 15 and is deflected forward by a fixed abutment 133 when drawn down by a pull on the trigger. The catch 131 is locked by a crank 136 until the inertia member 27 has returned to the breech locking position.

0) CH230393A – EMBRAYAGE CENTRIFUGE PROGRESSIF A COMMANDE AUXI...

2) Family number: 26068175 (CH230393A) © PatBase

Title: EMBRAYAGE CENTRIFUGE PROGRESSIF A COMMANDE AUXILIAIRE. CENTRIFUGAL CLUTCH A PROGRESSIVE AUXILIARY CONTROL. (Machine translation)

Priority: 19410421 19420120

Family:

Publication number	Publication date	Application number	Application date
CH230393 A	19431231		19420318

Probable Assignee: GRAVINA MICHEL

Assignee(s):(std)**:** GRAVINA MICHEL ; HAWADIER MARCEL

Inventor(s):(std)**:** MARCEL HAWADIER ; MICHEL GRAVINA

Inventor(s): GRAVINA MICHEL ; HAWADIER MARCEL

International class (IPC 8–9): F16D43/09 (Advanced/Invention); F16D43/00 (Core/Invention)

International class (IPC 1–7): B60K17/02

CPC: F16D43/09

European class: F16D43/09

Classification Explorer

Forward Citations: DE940335,

Abstract:
Source: CH230393A 1. Embrayage suivant la revendication, caracterise par le fait que le plateau (7) porte–masselottes est monte sur un roulement cale sur une,partie (4), en forme de moyeu, d'un plateau (3) solidaire de!la cage renfer mant le mecanisme de l'embrayage centri fuge. 1. Clutch according to claim, characterized by the fact that the tray (7) carries flyweights is mounted on a wedge bearing on a part (4), in form of a hub, a plate (3) integral! Cage Renfer ming the mechanism of the clutch centri fuge.

0) CH271139A – MACHINE A IMPRIMER. PRINTING MACHINE. (MACHI...

3) Family number: 25120381 (CH271139A) © PatBase

Title: MACHINE A IMPRIMER. PRINTING MACHINE. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH271139 A	19501015		19470814

Probable Assignee: ADDRESSOGRAPH MULTIGRAPH

Assignee(s):(std)**:** ADDRESSOGRAPH MULTIGRAPH

Assignee(s): ADDRESSOGRAPH MULTIGRAPH CORP

Inventor(s):(std)**:** ADDRESSOGRAPH MULTIGRAPH CORPO

Inventor(s): CORPORATION ADDRESSOGRAPH MULTIGRAPH ; ADDRESSOGRAPH MULTIGRAPH CORP

International class (IPC 8–9): B41L45/00 (Advanced/Invention); B41L45/00 (Core/Invention)

International class (IPC 1–7): B41L47/46

CPC: B41L45/00

European class: B41L45/00

Classification Explorer

Abstract:
Source: CH271139A (Claim 1) 1. Machine a imprimer selon la revendica tion, caracterisee par des moyens supportant ledit magasin hors d'une position alignee la teralement et longitudinalement avec ladite position d'impression, des organes presseurs etant portes par ledit bras et pouvant etre actionnes pour la production d'impressions a l'aide d'organes imprimeurs disposes a la po sition d'impression.

Machine translation: (Claim 1) 1. A printing press according to claims tion, characterized by means supporting said magazine out of a position aligned longitudinally with the erally and said printing position, the pressing members being carried by said arm and operable for producing impressions the help of organs printers prepared to print the po sition.

0) CH287531A – PROCEDE DE TISSAGE ET METIER POUR LA MISE EN OE...

4) Family number: 26076848 (CH287531A) © PatBase

Title: PROCEDE DE TISSAGE ET METIER POUR LA MISE EN OEUVRE DE CE PROCEDE. WEAVING AND BUSINESS PROCESS FOR IMPLEMENTING THIS PROCESS. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH287531 A	19521215		19490924

Probable Assignee: DRAPER CORP

Assignee(s):(std)**:** DRAPER CORP

Inventor(s):(std)**:** DRAPER CORP ; DRAPER CORPORATION

Inventor(s): CORPORATION DRAPER

International class (IPC 8–9): D03D47/00 (Advanced/Invention); D03D47/00 (Core/Invention)

International class (IPC 1–7): D03D47/20

CPC: D03D47/00 D03D2700/149

European class: D03D47/00 N03D700/14C3B

Classification Explorer

Forward Citations: DE1535371,

Abstract:
Source: CH287531A (Claim 1) 1. Procede suivant la revendication I, ca racterise par le fait que l'on introduit la trame dans le tissu sous forme de duites con tinues penetrant dans deux foules voisines.

Machine translation: (Claim 1) 1. The process of claim I, ca ised by the fact that the frame is introduced into the tissue form of picks in two con tinuous penetrating neighboring crowds.

0) US2791426A – PIN–SETTING MACHINE

5) Family number: 21878650 (US2791426A) © PatBase

Title:	PIN–SETTING MACHINE
Priority:	US19560563067 19560202

Family:

Publication number	Publication date	Application number	Application date
US2791426 A	19570507	US19560563067	19560202

Probable Assignee:	JOSEPH JANES
Assignee(s):(std):	JOSEPH JANES
Inventor(s):(std):	JOSEPH JANES
Inventor(s):	JANES JOSEPH
International class (IPC 8–9):	A63D5/08 (Advanced/Invention); A63D5/02 (Advanced/Non–invention); A63D5/00 (Core/Invention)
International class (IPC 1–7):	A63D5/09
CPC:	A63D5/02 A63D5/08
European class:	A63D5/08 K63D5/02
US class:	473/112 473/85

Classification Explorer

Cited documents:	US2743927 A, US2450249 A, US1896383 A, US1297951 A, US1231863 A, US1181649 A,
Forward Citations:	US5562549, US3228685, US3132863, US2992000, US2979333,

Abstract:
Source: US2791426A (Claim 1) In a bowling alley having a pit ,it the end of the alley proper, pins adapted to be, set upriglit adjacent the end of the alley, and a ball returii ramp, an automatic, pin–setting machine comprising a pin–stipporting tray hiliged to be swung from a normal horizontal position parallel to and flush with the surface of the alley to a vertical position substantially at right angles to the alley, a compartmented magazine movable in a iter'Lical plan,_, a series of inclined chutes for deliveriiig pins to the compartments of the magazine, a rack for supporting a plurality of pins in upright position disposed above the chutes and in operative association therewith, meaiis for conveying pins from the pit to the rack, means for con– veying balls from the pit to the ramp, means for dumpid,the pins standing on the rack into the respective cliutes, means for releasibly retaining the pins in the chutes, means for swinging the tray upwardly to vertical position and downwardly to normal position, means for recipro– cating the magaz_ine in a path between the delivery ends of the chutes and the vertical tray, means for releasing the pins from the chutes so that they slide into the compartments of the magazine while the latter is moving downwardly, the pins having metal elements in their respective bases, electrical means for magnetizing the tray to attract the pins, withdraw them from the magazine and hold them at right angles to the surface of the tray, motors for operating the tray, the coiiveyor means, the magazine and the pin–dumping iiieans, respectively, and electricahy controlled means including circuits to said motors and to said tray–magnetizing means, and switches in said circuits associated with the movable elements of the machine for actuating said motors in se– ,5 quence upon manual closing of a circuit to fill the magazine with pins and transfer the pins to the alley in upright position.

0) FR1221201A – MACHINE POUR EXECUTER EN SERIE LES FACETTES DE ...

6) Family number: 21669180 (FR1221201A) © PatBase

Title: MACHINE POUR EXECUTER EN SERIE LES FACETTES DE PIERRES PRECIEUSES
MACHINE TO EXECUTE THE SERIES GEMS FACET (Machine translation)

Priority: FR19590788189 19590303

Family:

Publication number	Publication date	Application number	Application date
FR1221201 A	19600531	FR19590788189	19590303

Inventor(s):(std)**:** STAHLI WILLY

International class (IPC 8–9): B24B9/16 (Advanced/Invention); B24B9/06 (Core/Invention)

International class (IPC 1–7): B24B9/16

CPC: B24B9/16

European class: B24B9/16

Classification Explorer

Abstract:
Source: FR1221201A (Claim 1) 1 Une machine pour executer et polir par un travail en serie, les facettes de pierres precieuses fixees au moyen d'un adhesif sur une tige de sup port, cette machine etant caracterisee par un disque rotatif de grand diametre comportant une surface de travail plane, par un support situe en regard du disque rotatif et muni de branches divergentes et presentant plusieurs paires de paliers inegalement eloignes du milieu du support et ayant toutes leurs axes dans un plan parallele a la surface de travail du disque rotatif, le sup port precite et le disque rotatif etant mobiles l'un par rapport a l'autre de maniere a faire varier la distance entre le plan des axes des paliers et la surface de travail du disque rotatif, par des butees.reglables limitant la distance dudit plan des axes a la surface de travail, par plusieurs blocs de maintien interchangeables qui sont mon tes pivotants et amovibles dans une des paires cle paliers et presentant une serie d1,evidements de paliers places dans des plans perpendiculaires a l'axe de pivotement du bloc de maintien, par des moyens de tension adjoints aux differents blocs de maintien et tendant a faire pivoter ceux–ci dans le sens d'une inclinaison croissante des evi dements de ce bloc par rapport a la surface de travail du disque rotatif, par des butees regla bles adjointes aux divers blocs de paliers pour limiter leur pivotement sous l'effet des moyens de tension, par des tiges creuses montees de facon a ne pouvoir coulisser, mais a pouvoir tourner dans des evidements des paliers, ces tiges creuses recevant chacune une des tiges de support inter changeables ne pouvant ni tourner, ni coulisser, et des moyens propres aux divers blocs de main tien et comportant pour chaque bloc une tete ser vant a faire tourner simultanement toutes les tiges creuses montees sur le bloc de maintien.

Machine translation: (Claim 1) 1 A machine for polishing and execute a work in series, the facets of gemstones fastened with an adhesive on a rod sup port, the machine being characterized by a large rotating disk having a diameter flat work surface, by a support located opposite the rotary disc and provided with diverging branches and having a plurality pairs of bearings unequally distant from the middle of all support and having their axes in a plane parallel to the working surface of the disk rotating the upper harbor cited above and the rotating disc being movable with respect to each other so as to vary the distance between the plane of the axes of the bearings and the working surface of the rotating disc, by limiting butees.reglables the distance from said plane of the axes on the surface of work, by several holding blocks which are interchangeable and removable my your pivoting in one of the pairs key levels and having a series d1, bearing recesses places in planes perpendicular to the axis of pivoting of the holding block, by means of different voltage assistants holding blocks oriented to rotate them in the direction of inclination increasing evi ments of this block with respect to the working surface of the rotary disc, by stops at various assistants regla BLES bearing blocks to limit their rotation as a result of the tensioning means, with hollow stems mounted so as to not be able to slide, but it can rotate in bearing recesses, these hollow rods receiving each one of the support rods inter changeable can neither rotate nor slide, and means to different pieces of thine hand, and for each block with a head ser Vant has run simultaneously all the hollow rods mounted on the holder block.

0) FR1241839A – PERFECTIONNEMENTS APPORTES AUX GROUPES MOTEURS ...

7) Family number: 22866285 (FR1241839A) © PatBase

Title:	PERFECTIONNEMENTS APPORTES AUX GROUPES MOTEURS A BOITE DE VITESSES IMPROVEMENTS TO GROUPS ENGINE TRANSMISSION (Machine translation)
Priority:	FR19590802678 19590812

Family:

Publication number	Publication date	Application number	Application date
FR1241839 A	19600923	FR19590802678	19590812

Inventor(s):(std)	FLEISCHEL GASTON
International class (IPC 1–7):	B60K41/22
CPC:	B60W30/18 B60W10/10 B60W2710/1005
European class:	B60K41/00 L60K702/10

Classification Explorer

Abstract:
Source: FR1241839A (Claim 1) 1 RESUME L'invention a pour objet des perfectionnements apportes aux groupes moteurs a boite de vitesses, ces perfectionnements presentant notamment les caracteristiques suivantes, considerees selon le cas soit separement, soit selon des combinaisons de certaines de ces caracteristiques <B>10</B> A la commande usuelle de debit du carburant admis au moteur qui est laissee a l'initiative du conducteur, est associee une commande de debit du carburant qui a priorite sur la premiere et qui est asservie de facon telle, a la commande usuelle de la boite de vitesses, qu'elle regle le debit du carburant a la valeur optimum pour une manoeuvre donnee de la boite de vitesses, c'est−a−dire a la valeur annulant le couple dans la transmission au decrochage du rapport precedemment en prise de la boite et, si necessaire, a l'accrochage du nouveau rapport de celle−ci et/ou soit a une valeur voisine du debit maximum a la retrogradation des vitesses apres decrochage, soit a une valeur voisine du debit mi nimum a la montee des vitesses apres decrochage;

Machine translation: (Claim 1) 1 SUMMARY The invention relates to improvements made to group engines gearbox, these improvements include presenting the following characteristics, as the case may be regarded separately or in combinations of some of these characteristics **10** A usual control flow of fuel admitted to the engine that is left to the driver's initiative, is associated with a fuel flow control has priority over the first of which is controlled This way, has the usual control of the gearbox, it regulates the flow of fuel to the optimum value for a given operation of the gearbox, that is to say, is set aside in the couple transmission to stall in the report previously taken from the box and, if necessary, the attachment of a new report thereof and / or either has a value close to maximum throughput speeds to the demotion after dropping out, or has a value flow near the mid mum has buildup speeds after stall;

0) CH361237A – MACHINE AUTOMATIQUE A EMBALLER SOUS FILM THERMO...

8) Family number: 25049430 (CH361237A) © PatBase

Title: MACHINE AUTOMATIQUE A EMBALLER SOUS FILM THERMOPLASTIQUE
AUTOMATIC PACKING A THERMOPLASTIC FILM (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH361237 A	19620331		19600107

Probable Assignee: KERHOAS LUCIEN YVES

Assignee(s):(std)**:** KERHOAS LUCIEN YVES

Inventor(s):(std)**:** LUCIEN YVES KERHOAS

Inventor(s): YVES KERHOAS LUCIEN

International class (IPC 8–9)**:** B65B41/16 B65B51/30 B65B65/02 B65B9/06 (Advanced/Invention)

International class (IPC 1–7)**:** B65B41/16 B65B51/30 B65B65/02 B65B9/06

CPC: B65B9/06 B65B41/16 B65B51/30 B65B65/02 B65B2009/063

European class: B65B41/16 B65B51/30 B65B65/02 B65B9/06 L65B9/06B

Classification Explorer

Forward Citations: WO04009450, US7308780, EP3162717,

Abstract:
Source: CH361237A (Claim 1) 1. Machine suivant la revendication, caracterisee en ce qu'elle comprend un mecanisme moteur comportant un chariot susceptible de coulisser sur le bati de la machine et actionne par une came–plateau a rainure cooperant avec au moins un ressort, cette came etant entrainee, par l'intermediaire d'un reduc– teur de vitesse, d'un embrayage electromagnetique et d'un accouplement elastique, par un moteur electrique.

Machine translation: (Claim 1) 1. Machine according to claim, characterized in that it comprises a driving mechanism comprising a carriage slidable on the frame of the machine and operates by a cam–plate a groove cooperating with at least one spring, said cam being driven by the 'intermediate reduc–tion of speed, an electromagnetic clutch and a flexible coupling by an electric motor.

0) FR1400758A – PROJECTEUR POUR BANDES DE FILM ET POUR VUES SEP...

9) Family number: 21175363 (FR1400758A) © PatBase

Title:	PROJECTEUR POUR BANDES DE FILM ET POUR VUES SEPAREES PROJECTOR FOR FILM STRIPS AND SEPARATE VIEWS (Machine translation)
Priority:	FR19640977745 19640610

Family:

Publication number	Publication date	Application number	Application date
FR1400758 A	19650528	FR19640977745	19640610

Probable Assignee:	BELL AND HOWELL CO
Assignee(s):(std):	BELL AND HOWELL CO
Assignee(s):	BELL AND HOWELL COMPANY
Inventor(s):(std):	BADALICH FRANK CYRIL
International class (IPC 8–9):	G03B1/38 (Advanced/Invention); G03B1/18 (Core/Invention)
International class (IPC 1–7):	G03B23/12
CPC:	G03B1/38
European class:	G03B1/38

Classification Explorer

Abstract:
Source: FR1400758A [Source: Claim 1] 1 Un projecteur,comprenant des structures de lentille de condensation et de lentille de focalisa tion espacees les unes des autres et un ensemble unitaire de manipulation et d'entrainement de ban des de film comprenant une structure de cadre de support, un ensemble de magasin sur une partie de la structure de cadre, un ensemble de prise sur une autre partie de la structure de cadre, une parte de film montee sur la structure de support entre les ensembles let definissant une ouverture d'enca drement alignee entre les structures de lentilles, des moyens portes par la structure de cadre peur entrainer la bande de film, et des moyens portes par la structure de cadre et guidant automatique ment le film lorsqu'il lest alimente par les moyens d'entrainement depuis l'ensemble de magasin jus qu'a la porte de film et depuis la porte de film jus qu'a l'ensemble de prise. Un tel projecteur peut comporter, en outre, pour sa realisation ales dispositions suivantes prises en semble ou separement: 1 La porte de film lest montee a pivot pour pivoter vers le bas afin d'etre en recouvrement sur l'ensemble de prise pour liberer le chemin optique entre les structures de lentilles afin de permettre la projection de diapositives montees sous forme de vues separees; 2 lie moyen d'entrainement de film comprend une roue dentee principale d'entrainement et des moyens auxiliaires d'entrainement pour faire avan cer le bord avant d'un rouleau de film dans l'en semble de magasin jusqu'a s'engager avec la roue dentee principale d'entrainement. II. Un projecteur comprenant une enveloppe ayant quatre compartiments comprenant un pre mier compartiment sur un cote de la partie arriere de l'enveloppe contenant une lampe de projection et, en avant de celle–oi, un systeme de lentille de con centration, un compartiment du systeme sur le cote oppose de la partie arriere de l'enveloppe le long du premier compartiment let ayant un ventilateur de circulation d'air monte dans cette partie pour refroidir la lampe et le systeme de lentille, un troi sieme compartiment dans la partie avant de l'en veloppe aligne avec le premier compartiment et contenant une structure de lentille de focalisation alignee avec le systeme de lentille de condensa tion et des moyens a troue dentee d'alimentation en film et de manipulation de bandes de film cons– itruits let disposes en alignement a l'arriere de la structure de lentille de focalisation en vue de la projection de la bande de film cadre par cadre et un quatrieme compartiment dans d'enveloppe de long du troisieme compartiment, en avant du se cond compartiment et ayant des moyens d'entrai nement par la puissance connectes aux moyens a roue dentee pour la commande d'alimentation du film. Un tel projecteur peut comporter, en outre, pour sa realisation les dispositions suivantes prises en– semble ou 1 Le ventilateur de ciroulatioa d'air comprend un dispositif de succion rotatif dispose par rap port a la lampe let au systeme de lentille de con densation peur soutirer Pair de refroidissement au moins en partie du troisieme compairtiment let l'en veloppe a une ouverture de decharge a l'arriere a travers laquelle l'air lest rejete par le ventilateur; [Source: revendication 1] 1 A projector, comprising condensing lens structures and focalisa tion lens spaced from each other and a unitary assembly and handled ban training film comprising a structure of support frame, a magazine assembly over a portion of the frame structure, an engagement assembly on another part of the frame structure, a parte film mounted on the support structure between the let assemblies defining an opening 'enca drement aligned between the lens structures, means gates through the frame structure cause fear the film strip, and means gates through the frame structure and guiding auto matically when the movie ballast supplied by means of training for all juice store has the film gate and juice from the film gate has all taken. Such projector can further comprise, for its realization ales following arrangements appear or separately: 1 ballast film door montee a pivot to pivot downward to be assessed on all taken to free the optical path between the lens structures to enable the projection of slides as montees separated views; 2 binds film drive means includes a toothed main drive wheel

and auxiliary drive means to advan cer the leading edge of a roll of film in the store until appears in engaging with the toothed main drive wheel. II. A projector comprising a housing having four compartments including a first−mentioned compartment on one side of the rear part of the envelope containing a projection lamp and in front of it oi, a lens system of con centration, a system compartment on the opposite side of the rear part of the casing along the first let compartment having an air circulating fan mounted in this portion to cool the lamp and the lens system, a THIRD compartment in the front part of the 'in the envelope aligns with the first compartment containing a focusing lens structure aligned with the lens system of condensed tion and means pierces a feed toothed film and handling constant itruits let filmstrips willing aligned at the rear of the focusing lens structure for the projection of the tape frame by frame film and a fourth compartment in the casing along the third compartment, in front of the sec ond compartment and having means for ment entered by the power means connected to a toothed wheel for the power control of the film. Such projector can further comprise, for its realization the following arrangements whole or 1 ciroulatioa air fan includes a rotary suction device has a rap port has let the lamp lens system con condensation fear extract Pair of cooling at least part of the third compairtiment let the envelope in a discharge opening at the back through which the ballast air rejected by the fan;

0) US3460696A – MULTIPURPOSE TRAILER

10) Family number: 877389 (US3460696A) © PatBase

Title:	MULTIPURPOSE TRAILER
Priority:	US19670671840 19670929

Family:

Publication number	Publication date	Application number	Application date
US3460696 A	19690812	US19670001840	19670929

Probable Assignee:	CLURE H OWEN JR
Assignee(s):(std):	CLURE H OWEN JR
Inventor(s):(std):	OWEN CLURE H JR
Inventor(s):	CLURE H OWEN JR
International class (IPC 8–9):	B60P3/42 (Advanced/Invention); B60P3/42 (Core/Invention)
International class (IPC 1–7):	B60P1/64 B60P3/42 B62D63/06 B66C21/00
CPC:	Y10S414/125 B60P3/42
European class:	B60P3/42
US class:	214/505 296/157 296/184.1 296/186.5 296/61 414/483 414/486 414/537 414/541 414/560 414/912

Classification Explorer

Cited documents:	US3378152 A, US3352440 A, US3243161 A, US3104127 A, US2966274 A, US2323279 A,
Forward Citations:	US8944413, US7527280, US6481949, US6149369, US6045320, US5954471, US5388949, US4889465, US4265463, US2013266917, US2008019814, US2004052623, DE10257789,

Abstract:
Source: US3460696A ABSTRACT OF THE DISCLOSURE A trailer vehicle having a unitized frame and bed with plate girder sides forming longitudinal frame rails and a bottoni portion extending between the lower edges of the plate girder sides. Each of the plate girder sides has at–tached thereto at the upper edge thereof a ramp member extending laterally outwardly therefrom to serve as a support for the wheels of a vehicle upon the trailer. A portion of each of the plate girder sides is of progressively re–duced height towards the rear of the trailer, and the portions of the ramp members associated therewith form downwardly sloping ramps.

0) DE1549544A1 – VERFAHREN UND VORRICHTUNG ZUM ERZIELEN EINER BE...

11) Family number: 295498 (DE1549544A1) © PatBase

Title: VERFAHREN UND VORRICHTUNG ZUM ERZIELEN EINER BESTIMMTEN ORDNUNG VON BUCHUNGSABSCHNITTEN,ADRESSEN OD.DGL. METHOD AND DEVICE FOR ACHIEVING A CERTAIN RULES OF BOOKING SECTIONS, DETAILS OR THE LIKE. (Machine translation)

Priority: DE1967SC40307 19670225

Family:

Publication number	Publication date	Application number	Application date
DE1549544 A1	19691120	DE19671549544	19670225

Probable Assignee: BRINGER HANS

Assignee(s):(std)**:** BRINGER HANS ; SCHMITTDORSCH ROLF

Inventor(s):(std)**:** BRINGER HANS ; SCHMITTDORSCH ROLF

International class (IPC 8–9)**:** B41J11/50 (Advanced/Invention); B41J11/48 (Core/Invention)

International class (IPC 1–7)**:** B41J15/00

CPC: B41J11/50

European class: B41J11/50

Classification Explorer

Abstract:
Source: DE1549544A1 (Claim 1) EMI0038.0001 PATENTANSPRUeCHE EMI0038.0002 1.

Machine translation: (claim 1) EMI0038.0001 claims EMI0038.0002 first

0) US5125658A – BASEBALL BOARD GAME

26) Family number: 5065572 (US5125658A) © PatBase

Title: Baseball board game

Priority: US19900552903 19900716

Family:

Publication number	Publication date	Application number	Application date
US5125658 A	19920630	US19910714672	19910613

Probable Assignee: VISION ENGINEERING AND DESIGN IN

Assignee(s):(std)**:** VISION ENGINEERING AND DESIGN IN

Assignee(s): VISION ENGINEERING AND DESIGN INC ; VISION GAME INC

Inventor(s):(std)**:** FRANCIS GEOFFREY V ; PENDRY STEPHEN W

International class (IPC 8–9)**:** A63F7/06 (Advanced/Invention)

International class (IPC 1–7)**:** A63F7/06

CPC: A63F7/0608

European class: A63F7/06A1

US class: 273/108.31 273/108.51 273/109 273/89

Classification Explorer

Cited documents: US4976434 A, US4877244 A, US4671508 A, US4442823 A, US4327913 A, US4216961 A, US4179123 A, US3854720 A, US3811674 A, US3730525 A, US3372933 A, US3227452 A, US3136546 A, US2872193 A, US2829895 A, US2775457 A, US2749122 A, US2244204 A, US2016465 A, US1802521 A, US1687180 A, US1492127 A, US1144472 A,

Forward Citations: USD470894, US9266014, US9033344, US8360435, US7766337, US7648141, US7207564, US6695308, US6533272, US2010133746, US2010044964, US2008277868,

Abstract:
Source: US5125658A A simulated baseball game apparatus having an upwardly facing playing surface with a home plate thereon, a pitching mechanism that rolls the ball in the general direction of home plate and a batting mechanism. A rotatable circular plate in front of the pitching mechanism enables the direction of the rolling ball to be changed. The device for rolling the ball can be pivoted about a vertical axis in order that the player can control the initial direction of the rolling ball. The bat member has an elongate portion extending generally parallel to the playing surface and a ball striking extension that extends downwardly. The bat member can be swung about an internally movable generally vertical axis extending through one end of the elongate portion.

0) US5240417A – SYSTEM AND METHOD FOR BICYCLE RIDING SIMULATION...

27) Family number: 11718506 (US5240417A) © PatBase

Title: SYSTEM AND METHOD FOR BICYCLE RIDING SIMULATION

Priority: US19910670268 19910314 US19920956035 19921002

Family:

Publication number	Publication date	Application number	Application date
US5240417 A	19930831	US19910670268	19910314
US5364271 A	19941115	US19920956035	19921002
WO9216267 A2	19921001	WO1992US02001	19920313
WO9216267 A3	19921126	WO1992US02001	19920313

Probable Assignee: WARNER BROS ENTERTAINMENT INC

Assignee(s):(std)**:** ATARI GAMES CORP

Assignee(s): MIDWAY GAMES WEST INC ; NATIONAL AMUSEMENTS INC ; WARNER BROS ENTERTAINMENT INC ; WELLS FARGO FOOTHILL INC ; ACQUISITION HOLDINGS SUBSIDIARY I LLC ; ATARI GAMES A CORP OF CA CORP

Inventor(s):(std)**:** AKNIN JACK ; AKNIN JACQUES D ; HARPER DENNIS ; LICHAC GERALD J ; MONCRIEF RICH L ; MONCRIEF RICK L ; SMITHSON BONNIE J ; WINBLAD WADE ; WINBLAD WADE O

Designated states: AT BE CH DE DK ES FR GB GR IT JP LU MC NL SE

International class (IPC 8–9)**:** A63B22/16 A63B23/04 A63B26/00 A63F13/06 G09B9/05 G09B9/058 (Advanced/Invention); A63B21/005 A63B24/00 A63B69/16 (Advanced/Non–invention); A63B22/00 A63B23/04 A63B26/00 A63F13/02 G09B9/04 (Core/Invention); A63B21/005 A63B24/00 A63B69/16 (Core/Non–invention)

International class (IPC 1–7)**:** A63B22/08 A63B69/16 A63F9/22 G09B19/16 G09B9/04

CPC: Y10S482/902 A63B22/16 A63B26/003 A63B2024/009 A63B2071/0641 A63B2071/0644 A63B2220/34 A63B2220/76 A63B2220/78 A63B2225/70 A63F13/06 A63F2300/1037 A63F2300/1062 A63F2300/8017 G09B9/05 A63B22/0087 A63B2022/0641 A63F13/211 A63F13/245 A63F13/285 A63F13/57 A63F13/803 G05B17/02 A63B21/00181 A63B21/0058 A63B22/0605 G09B9/058 A63B2071/0625

European class: A63B21/00T A63B22/16 A63B23/04C A63B26/00B A63F13/06 G05B17/02 G09B9/05 G09B9/058 K63B21/005F K63B220/34 K63B220/76 K63B220/78 K63B225/70 K63B24/00R2 K63B71/06D2C2 K63B71/06D2C3 K63F300/10F K63F300/10S K63F300/80D

US class: 273/148.00B 273/148B 273/434 273/438 273/85G 273/DIG.28 348/121 358/104 364/410 434/247 434/29 434/307 434/307.00R 434/307R 434/61 482/57 482/902 73/379.07

Classification Explorer

Cited documents: WO8809688 A1, WO8806776 A1, WO8700066 A1, US5209662 A, US5203563 A, US4941460 A, US4938475 A, US4932651 A, US4925183 A, US4891748 A, US4887967 A, US4887966 A, US4799668 A, US4786049 A, US4771394 A, US4720789 A, US4711447 A, US4710129 A, US4709917 A, US4637605 A, US4630817 A, US4616829 A, US4542897 A, US4527980 A, US4512567 A, US4478407 A, US4464117 A, US4461470 A, US4418911 A, US4196528 A, US4141630 A, US4049262 A, US3903613 A, US3722884 A, US3708913 A, US3686776 A, JP2032380 A2, JP1232380 A2, GB1577866 A, EP0406729 A2, EP0255142 A1, DE3612383 A1, DE3404539 A1, DE3302187 A1, DE3218086 A1,

Forward Citations: WO9949942, WO9636399, WO9623561, WO17087883, WO16170361, WO14016781, WO12007936, WO10110670, WO10045627, WO10045627, WO08010797, WO07068104, WO06050137, WO03045508, WO03045508, WO0170340, WO0170340, WO0164304, USRE45884, USRE42183, USRE40808, USRE39906, USD748210, USD591368, USD567315, USD559801, USD557360, USD557359, USD555601, USD547401, USD420713, US9728044, US9707443, US9625905, US9582178, US9533186, US9501955, US9495009, US9492847, US9468794, US9440113, US9411420, US9403052, US9381395, US9375629, US9367668, US9360937, US9336691, US9330366, US9295894, US9280205, US9274600, US9245428, US9239621, US9224129, US9207763, US9205301, US9197735, US9135954, US9134795,

US9130492, US9111462, US9108694, US9046922, US9028368, US8992322, US8990677, US8950256, US8924859, US8920288, US8918724, US8918723, US8918722, US8918721, US8917234, US8914735, US8905843, US8888499, US8887065, US8881024, US8875011, US8861091, US8845496, US8845493, US8838671, US8830161, US8826147, US8821276, US8806352, US8803796, US8803795, US8795091, US8788253, US8784270, US8777621, US8773356, US8764560, US8758201, US8758130, US8754317, US8749507, US8739033, US8717287, US8712656, US8692099, US8690735, US8686941, US8660748, US8648829, US8641070, US8619031, US8576174, US8554408, US8549403, US8543338, US8527873, US8508469, US8503086, US8500451, US8480406, US8462116, US8441444, US8441437, US8441433, US8414299, US8408911, US8408910, US8371990, US8364342, US8317611, US8316166, US8315652, US8298123, US8279172, US8251874, US8248363, US8226484, US8212772, US8188989, US8188981, US8184094, US8182348, US8169402, US8164573, US8159461, US8154512, US8142298, US8125453, US8123527, US8105164, US8092352, US8092346, US8077145, US8073501, US8072422, US8063893, US8063892, US8062183, US8059105, US8059104, US8059088, US8057360, US8049734, US8047965, US8033830, US8031181, US8029415, US8029410, US8029287, US8025607, US8018434, US8013847, US8007282, US8002089, US7998032, US7989689, US7986303, US7985164, US7982720, US7981000, US7980996, US7978186, US7978183, US7965276, US7944435, US7944433, US7931470, US7927258, US7918732, US7916121, US7905817, US7901323, US7901292, US7889174, US7877243, US7870809, US7867086, US7862478, US7862476, US7857731, US7850456, US7841964, US7837595, US7833129, US7833018, US7827488, US7821496, US7815436, US7812820, US7809577, US7808488, US7806696, US7798814, US7789800, US7784335, US7769417, US7764268, US7762931, US7758469, US7752767, US7742036, US7728820, US7727125, US7713171, US7710399, US7701438, US7696978, US7682286, US7676356, US7656388, US7648446, US7645213, US7639232, US7637847, US7636080, US7628730, US7625315, US7623114, US7618353, US7612278, US7608017, US7605800, US7601097, US7588518, US7585257, US7585252, US7585251, US7575536, US7567243, US7567232, US7561142, US7561141, US7557794, US7556590, US7549947, US7548232, US7535454, US7522152, US7510509, US7505030, US7502011, US7497812, US7497807, US7491154, US7489309, US7477237, US7472047, US7467478, US7462798, US7455622, US7453039, US7450110, US7446752, US7442152, US7432910, US7423631, US7405729, US7386415, US7369115, US7345672, US7336266, US7336260, US7327348, US7326151, US7303510, US7299321, US7289106, US7285076, US7283123, US7283120, US7280095, US7270545, US7265750, US7253803, US7249951, US7245202, US7236157, US7233476, US7233315, US7220219, US7218310, US7215326, US7209118, US7209117, US7208671, US7205981, US7202851, US7199790, US7198137, US7196688, US7193607, US7191191, US7182691, US7168042, US7166064, US7166062, US7161580, US7159008, US7158112, US7157638, US7156778, US7154470, US7151527, US7151432, US7151432, US7148875, US7137892, US7136045, US7131073, US7116317, US7113166, US7112737, US7106313, US7106305, US7104152, US7102541, US7091950, US7091948, US7084884, US7084854, US7081070, US7070571, US7061467, US7061466, US7056123, US7054775, US7050955, US7039866, US7038667, US7038657, US7027032, US7024625, US7023423, US6995744, US6987504, US6982700, US6982696, US6979164, US6965370, US6956558, US6946812, US6937033, US6933920, US6929481, US6928386, US6924787, US6920955, US6910991, US6906697, US6904823, US6903721, US6881176, US6866643, US6864877, US6859819, US6850222, US6836711, US6833846, US6817973, US6816148, US6801008, US6764310, US6762745, US6750877, US6726483, US6717573, US6715045, US6707443, US6705871, US6704683, US6704002, US6704001, US6703550, US6701296, US6697748, US6697086, US6697048, US6697044, US6697043, US6693626, US6686911, US6686901, US6683437, US6680729, US6661403, US6639581, US6636197, US6636161, US6629574, US6609912, US6602075, US6580417, US6561952, US6530864, US6505503, US6494784, US6413191, US6368112, US6296072, US6251015, US6234800, US6221095, US6210165, US6192745, US6142913, US6126571, US6123547, US6120375, US6117007, US6030223, US5980256, US5974262, US5947824, US5890995, US5887883, US5860861, US5785630, US5743835, US5667459, US5632680, US5618178, US5607308, US5604848, US5584305, US5577913, US5568928, US5562572, US5547439, US5547382, US5533899, US5481901, US5466200, US5462503, US5385519, US2016375304, US2016325146, US2016236055, US2016236036, US2016158620, US2016061692, US2016059079, US2015290490, US2015209617, US2015065309, US2015025816, US2014274564, US2014221158, US2014154660, US2014008496, US2013300322, US2013210579, US2013072356, US2013035208, US2012329611, US2012323351, US2012068435, US2012067662, US2011237397, US2011172059, US2011124469, US2011105282, US2011105229, US2011082009, US2011053691, US2011015041, US2011015039, US2010325931, US2010288072, US2010283588, US2010279823, US2010261579,

US2010222183, US2010222181, US2010222178, US2010201502, US2010197462, US2010113223, US2010096833, US2010077564, US2010042555, US2010039373, US2010036736, US2010035726, US2010035218, US2010013613, US2009298649, US2009284498, US2009231113, US2009181350, US2009170667, US2009136903, US2009126211, US2009118099, US2009098980, US2009073125, US2009073124, US2009049901, US2009048076, US2008293477, US2008287147, US2008280730, US2008261774, US2008207402, US2008153592, US2008117166, US2008102424, US2008058170, US2008055241, US2008048974, US2008041671, US2008036736, US2008036735, US2008035435, US2008024440, US2007293373, US2007281828, US2007279392, US2007254778, US2007239479, US2007232348, US2007229455, US2007225121, US2007219054, US2007195059, US2007142184, US2007142183, US2007135270, US2007117680, US2007093360, US2007072744, US2007054782, US2007054592, US2007049384, US2007042868, US2007013655, US2007008089, US2007004565, US2007004488, US2007003910, US2006288842, US2006287089, US2006279538, US2006278065, US2006270522, US2006258458, US2006254888, US2006252543, US2006199700, US2006136826, US2006122819, US2006094569, US2006071917, US2006061558, US2006059241, US2006054427, US2006049010, US2006046905, US2006044271, US2006038781, US2006033703, US2006025959, US2006021828, US2006018729, US2006012584, US2006007184, US2006003872, US2005275967, US2005233866, US2005223327, US2005221960, US2005219206, US2005209741, US2005209064, US2005182632, US2005176665, US2005175968, US2005164843, US2005145100, US2005110769, US2005109145, US2005085354, US2005075213, US2005073496, US2005064994, US2005054492, US2005054490, US2005052430, US2005052415, US2005030284, US2005012710, US2005008992, US2005007347, US2005007342, US2005001838, US2004237666, US2004236541, US2004233167, US2004217942, US2004214639, US2004198522, US2004183782, US2004178989, US2004164971, US2004164960, US2004164959, US2004161118, US2004147318, US2004145600, US2004130526, US2004117214, US2004113932, US2004108992, US2004096810, US2004095310, US2004076929, US2004072601, US2004061502, US2004056840, US2004040800, US2004014566, US2003207734, US2003201975, US2003199362, US2003194685, US2003190954, US2003176770, US2003171190, US2003148811, US2003134714, US2003134259, US2003122779, US2003100965, US2003090460, US2003080987, US2003076298, US2003068607, US2003067440, US2003058845, US2003058216, US2003057934, US2003025723, US2003024375, US2002163498, US2002142701, US2002109708, US2002072411, US2002045519, US2002033799, US2002030663, US2002024501, US2002021277, US2002003528, US2001028361, US2001026266, TWI299669, RU2493607, JP6140793, JP6140793, JP2017080370, GB2493692, GB2493692, GB2461098, GB2434325, GB2434325, GB2376900, GB2298835, FR2852526, ES2114440, EP3199211, EP2243521, EP1754520, EP1327465, EP1214957, EP1034823, EP0985436, EP0859338, EP0792667, EP0678313, AU785037,

Abstract:
Source: US5240417A A system for simulating bicycle riding which incorporates a conventionally−appearing bicycle physically maneuverable by a system user. Front and rear bicycle wheels are provided solely for visual authenticity. The simulating system provides electrical communication between mechanical maneuvering of the bicycle and a video display to visually reflect changes in speed and bicycle position on a variable−terrain track in response to pedaling, braking and steering changes by the user. Specifically, the system permits simultaneous lateral displacement and leaning of the bicycle away from the vertical plane to simulate travel about a curve. The system also permits rotation in a vertical plane about a pivot point proximate to the rear bicycle tire to simulate "wheelie" motion. These changes are monitored by sensors which transmit information to a computer which, in turn, correspondingly adjusts the position of an animated bicycle on the track using computer animation made possible by a unique bicycle model program. The computer considers the influence of the forces of nature on the bicycle and user. In addition, a computer−controlled motor simulates changing conditions of the track terrain, including downhill coasting by applying power assistance to bicyclist pedaling action. Finally, an audio system and a variable−speed air blower are provided, both interfaced with the computer to enhance riding simulation.

0) WO9320441A1 – AUTOMATED CONTINUOUS AND RANDOM ACCESS ANALYTIC...

28) Family number: 33509980 (WO9320441A1) © PatBase

Title: AUTOMATED CONTINUOUS AND RANDOM ACCESS ANALYTICAL SYSTEM AND COMPONENTS THEREOF

Priority: JP19930517551 19930324 JP19930517551T 19930324 US19920859218 19920327 US19920915166 19920720 US19920915164 19920720 US19920915167 19920720 US19920916556 19920720 US19920917253 19920720 US19920915168 19920720 US19920917634 19920720 US19920916425 19920720 US19920916551 19920720 US19930027269 19930318 US19930027482 19930318

Family:

Publication number	Publication date	Application number	Application date
JP2002250733 A2	20020906	JP20020008958	20020117
JP2002250734 A2	20020906	JP20020008959	20020117
JP2002250735 A2	20020906	JP20020008960	20020117
JP3439466 B2	20030825	JP20020008958	20020117
JP3439467 B2	20030825	JP20020008960	20020117
JP3490423 B2	20040126	JP20020008959	20020117
WO9320441 A1	19931014	WO1993US02791	19930324

Probable Assignee: ABBOTT LAB

Assignee(s):(std)**:** ABBOTT LAB

Assignee(s): ABBOTT LABORATORIES

Inventor(s):(std)**:** SMITH JANE B ; YOST DAVID A ; WINTER GARY E ; WATKINS WILLIAM E III ; WALKER EDNA S ; VICKSTROM RICHARD L ; VAUGHT JAMES A ; TAYI APPARAO ; STANTON ALYN K ; SMITH B JANE ; SCHRIER PAUL R ; RUMBAUGH WILLIAM ; ROBERT A WOLFORD ; PENNINGTON CHARLES D ; OLEKSAK CARL M ; MOORE LARRY W ; MITCHELL JAMES E ; MARTIN RICHARD R ; LAGOCKI PETER A ; KANEWSKE WILLIAM J III ; HILLS DAVID B JR ; HENDRICK KENDALL B ; HANCE ROBERT B ; CLOONAN KEVIN M ; CLIFT GILBERT ; CLARK FREDERIC L

Inventor(s): KANEWSKE WILLIAM J

Agent(s): KAWAGUCHI YOSHIO

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP KR LU MC NL PT SE

International class (IPC 8–9): B01L3/00 B01L3/08 G01N1/00 G01N1/14 G01N1/28 G01N21/03 G01N21/25 G01N33/53 G01N33/537 G01N33/538 G01N33/542 G01N33/543 G01N35/00 G01N35/02 G01N35/10 G05D23/00 H01J49/04 H02P8/00 H05B41/00 (Advanced/Invention); B01L9/06 G01N35/00 G01N35/04 (Advanced/Non–invention); B01L3/00 B01L3/08 G01N1/00 G01N1/14 G01N1/28 G01N21/03 G01N21/25 G01N33/53 G01N33/536 G01N33/543 G01N35/00 G01N35/02 G01N35/10 G05D23/00 H01J49/02 H02P8/00 H05B41/00 (Core/Invention); B01L9/00 G01N35/00 G01N35/04 (Core/Non–invention)

International class (IPC 1–7): B65D83/00 F24H3/04 G01N1/14 G01N33/53 G01N33/531 G01N33/533 G01N33/535 G01N35/00 G01N35/02 G01N35/06 G06F15/00 H05B41/00

CPC: B01L3/08 B01L3/5025 B01L3/5085 B01L3/50853 B01L9/06 B01L2200/142 B01L2200/16 B01L2300/042 B01L2300/043 G01N21/0303 G01N21/253 G01N33/5302 G01N33/537 G01N33/538 G01N33/542 G01N33/54313 G01N35/0092 G01N35/0099 G01N35/025 G01N35/026 G01N35/1004 G01N2001/007 G01N2035/00287 G01N2035/00356 G01N2035/00386 G01N2035/00455 G01N2035/00475 G01N2035/00495 G01N2035/00524 G01N2035/00752 G01N2035/0093 G01N2035/0405 G01N2035/0436 G01N2035/0441 G01N2035/0443 G01N2035/0444 G01N2035/0448 G01N2035/0453 G01N2035/0465 G01N2035/1025 G01N2035/1076 G01N2035/1086 H01J49/04

European class: B01L3/08 B01L3/5025 B01L3/50853 G01N21/03A G01N21/25B2 G01N33/537 G01N33/538 G01N33/53B G01N33/542 G01N33/543D G01N35/00G5 G01N35/02C G01N35/02E H01J49/04 L01L200/14B L01L200/16 L01L3/5085 L01L300/04A2 L01L300/04A4 L01L9/06 S01N1/00B4 S01N35/00D7A S01N35/00E1 S01N35/00E1F S01N35/00E5 S01N35/00F1 S01N35/00F2 S01N35/00F4 S01N35/00G3C1A S01N35/00G5 S01N35/00G5A S01N35/00R S01N35/04A1B S01N35/04A6D S01N35/04B1 S01N35/04B2 S01N35/04B3 S01N35/04B4A S01N35/04B7 S01N35/04C2

S01N35/10B S01N35/10C5 S01N35/10M7 S01N35/10T1A

Classification Explorer

Cited documents: US5194782 A, US5158895 A, US5073343 A, US5051238 A, US5039615 A, US4956148 A, US4937048 A, US4810659 A, US4781891 A, US4774055 A, US4747060 A, US4746841 A, US4708886 A, US4647432 A, US4634575 A, US4568866 A, US4564831 A, US4526046 A, US4520290 A, US4516856 A, US4508832 A, US4483927 A, US4479190 A, US4455280 A, US4271123 A, US4093991 A, US4055752 A, US4045179 A, EP0410645 A2,

Forward Citations: WO14144759, WO09078352, US9632103, US9414777, US9402789, US8792953, US8760146, US8529511, US8154274, US8142404, US8142399, US8053721, US8052643, US8052642, US8021336, US7927304, US7885697, US7855084, US7846131, US7763005, US7758551, US7722573, US7722562, US7560686, US7250303, US2014287523, NL1005468, JP5203466, JP3873039, JP2011503567, JP2009240296, JP2006284575, JP2005061983, JP2005061897, JP2004340649, EP1508029, CN102947709,

Abstract:
An automated, continuous and random access analytical system, having apparatus and methodology capable of simultaneously performing multiple assays of liquid samples using different assay methodologies, and providing continuous and random access while performing a plurality of different assays on the same or different samples during the same time period, is disclosed. A method is also disclosed of operating an automated continuous and random access analytical system capable of simultaneously effecting multiple assays of a plurality of liquid samples wherein scheduling of various assays of the plurality of liquid samples is followed by creating a unit dose disposable and separately transferring a first liquid sample (26), reagents (30) to a reaction vessel (34) without initiation of an assay reaction sequence, followed by physical transfer of the unit dose disposable (34) to a process work station, whereby a mixture of the unit dose disposable reagents and sample (34) are achieved during incubation. The system is capable of performing more than one scheduled assay in any order, and assays where more than such scheduled assays are presented. The automated, continuous and random access analytical system is also capable of analyzing the incubated reaction mixtures independently and individually by at least two assay procedures.

29) Family number: 33507785 (EP0746769A4) © PatBase

Title: AUTOMATED CONTINUOUS AND RANDOM ACCESS ANALYTICAL SYSTEM AND COMPONENTS THEREOF

Priority: US19920859218 19920327 US19920915164 19920720 US19920915166 19920720 US19920915167 19920720 US19920915168 19920720 US19920916425 19920720 US19930027269 19930318 US19930027482 19930318 WO1993US02791 19930324 US19920916551 19920720 US19920916556 19920720 US19920917253 19920720 US19920917634 19920720

Family:

Publication number	Publication date	Application number	Application date
AU199339350 A1	19931108	AU19930039350	19930324
CA2132959 AA	19940926	CA19932132959	19930324
CA2132959 C	20060124	CA19932132959	19930324
EP0746769 A1	19961211	EP19930908571	19930324
EP0746769 A4	19950407	EP19930908571	19930324
EP0746769 B1	20060906	EP19930908571	19930324
ES2271941 T3	20070416	ES19930908571T	19930324
JP3439210 B2	20030825	JP19930517551T	19930324
JP7505476 T2	19950615	JP19930517551T	19930324

Probable Assignee: ABBOTT LAB

Assignee(s):(std)**:** ABBOTT LAB

Assignee(s): ABBOTT LABORATORIES ; CLARK FREDERIC L ; CLIFT GILBERT ; CLOONAN KEVIN M ; HANCE ROBERT B ; LAGOCKI PETER A ; OLEKSAK CARL M ; MITCHELL JAMES E ; RUMBAUGH WILLIAM ; HILLS DAVID B JR ; KANEWSKE WILLIAM J III ; SMITH B JANE ; MOORE LARRY W ; MARTIN RICHARD R ; SCHRIER PAUL R ; PENNINGTON CHARLES D ; HENDRICK KENDALL B ; STANTON ALYN K ; WOHLFORD ROBERT A ; TAYI APPARAO ; WALKER EDNA S ; YOST DAVID A ; WATKINS WILLIAM E III ; VAUGHT JAMES A ; VICKSTROM RICHARD L ; WINTER GARY E

Inventor(s):(std)**:** YOST DAVID A ; WINTER GARY E ; WILLIAM RUMBAUGH ; WILLIAM J KANEWSKE III ; WILLIAM E WATKINS III ; WATKINS WILLIAM E III ; WALKER EDNA S ; VAUGHT JAMES A ; TAYI APPARAO ; STANTON ALYN K ; SMITH JANE B ; RUMBAUGH WILLIAM ; ROBERT B HANCE ; RICHARD R MARTIN ; PETER A LAGOCKI ; PENNINGTON CHARLES D ; OLEKSAK CARL M ; MOORE LARRY W ; MITCHELL JAMES E ; MARTIN RICHARD R ; LARRY W MOORE ; LAGOCKI PETER A ; KENDALL B HENDRICK ; KANEWSKE WILLIAM J III ; JANE B SMITH ; JAMES E MITCHELL ; JAMES A VAUGHT ; HENDRICK KENDALL B ; HANCE ROBERT B ; GILBERT CLIFT ; GARY E WINTER ; FREDERIC L CLARK ; EDNA S WALKER ; DAVID A YOST ; CLIFT GILBERT ; CLARK FREDERIC L ; CHARLES D PENNINGTON ; CARL M OLEKSAK ; APPARAO TAYI ; ALYN K STANTON ; WOHLFORD ROBERT A ; VICKSTROM RICHARD L ; SMITH B JANE ; SCHRIER PAUL R ; LOGOCKI PETER A ; HILLS DAVID B JR ; CLOONAN KEVIN M

Inventor(s): HILLS DAVID B ; KANEWSKE WILLIAM J ; WATKINS WILLIAM E

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; OGILVY RENAULT LLP SENCRL SRL

Designated states: BE CH DE ES FR GB IT LI

International class (IPC 8–9): B01L3/00 B01L3/08 B29C45/00 B65D83/00 F24H3/04 G01F11/04 G01M11/00 G01N1/00 G01N1/14 G01N1/28 G01N21/03 G01N21/25 G01N21/27 G01N21/49 G01N21/59 G01N21/64 G01N33/53 G01N33/531 G01N33/533 G01N33/535 G01N33/537 G01N33/538 G01N33/542 G01N33/543 G01N35/00 G01N35/02 G01N35/04 G01N35/10 G05D23/00 G05D23/19 G06F15/00 H01J49/04 H02P8/00 H04B15/00 H05B39/04 H05B41/00 H05B41/36 (Advanced/Invention); B01L9/06 G01N1/00 G01N35/00 G01N35/04 G01N35/10 (Advanced/Non–invention); B01L3/00 B01L3/08 B65D83/00 F24H3/04 G01F11/02 G01M11/00 G01N1/00 G01N1/14 G01N1/28 G01N21/03 G01N21/25 G01N33/53 G01N33/531 G01N33/533 G01N33/535 G01N33/536 G01N33/543 G01N35/00 G01N35/02 G01N35/10 G05D23/00 G05D23/19 G06F15/00 H01J49/02 H02P8/00 H04B15/00 H05B39/00 H05B41/00 H05B41/36 (Core/Invention);

B01L9/00 G01N35/00 G01N35/04 (Core/Non–invention)

International class (IPC 1–7): B65D83/00 F24H3/04 G01F11/04 G01M11/00 G01N1/00 G01N1/14 G01N33/53 G01N33/531 G01N33/533 G01N33/535 G01N33/543 G01N35/00 G01N35/02 G01N35/06 G05D23/19 G06F15/00 H04B15/00 H05B39/04 H05B41/00 H05B41/36

CPC: Y02B20/14 B01L3/08 B01L3/5025 B01L3/5085 B01L3/50853 B01L9/06 B01L2200/142 B01L2200/16 B01L2300/042 B01L2300/043 G01N21/0303 G01N21/253 G01N33/5302 G01N33/537 G01N33/538 G01N33/542 G01N33/54313 G01N35/0092 G01N35/0099 G01N35/025 G01N35/026 G01N35/1004 G01N2001/007 G01N2035/00287 G01N2035/00356 G01N2035/00386 G01N2035/00455 G01N2035/00475 G01N2035/00495 G01N2035/00524 G01N2035/00752 G01N2035/0093 G01N2035/0405 G01N2035/0436 G01N2035/0441 G01N2035/0443 G01N2035/0444 G01N2035/0448 G01N2035/0453 G01N2035/0465 G01N2035/1025 G01N2035/1076 G01N2035/1086 H01J49/04 Y10S435/809 Y10S436/807 B29C45/00 B29K2995/0032 B29L2023/22 G01N21/03 G01N35/1065 G01N2035/00168 Y10T436/11 Y10T436/113332 Y10T436/114165 Y10T436/114998 Y10T436/119163 Y10T436/2575

European class: B01L3/00C2D4 B01L3/00C6D B01L3/08 B01L3/5025 B01L3/50853 B29C45/00 G01N21/03 G01N21/03A G01N21/25B2 G01N33/537 G01N33/538 G01N33/53B G01N33/542 G01N33/543D G01N35/00G5 G01N35/02C G01N35/02E H01J49/04 L01L200/14B L01L200/16 L01L3/5085 L01L300/04A2 L01L300/04A4 L01L9/06 L29K995/00E9B L29L23/22 S01N1/00B4 S01N35/00C9 S01N35/00D7A S01N35/00E1 S01N35/00E1F S01N35/00E5 S01N35/00F1 S01N35/00F2 S01N35/00F4 S01N35/00G3C1A S01N35/00G5 S01N35/00G5A S01N35/00R S01N35/04A1B S01N35/04A6D S01N35/04B1 S01N35/04B2 S01N35/04B3 S01N35/04B4A S01N35/04B7 S01N35/04C2 S01N35/10B S01N35/10C5 S01N35/10M S01N35/10M7 S01N35/10T1A Y02B20/14

Classification Explorer

Cited documents: EP0409126 A2, EP0223002 A2,

Forward Citations: US8641968, JP2012101028, JP2012016569, JP2011522241, JP2011522240,

Abstract:
Source: EP0746769A4 An automated, continuous and random access analytical system, having apparatus and methodology capable of simultaneously performing multiple assays of liquid samples using different assay methodologies, and providing continuous and random access while performing a plurality of different assays on the same or different samples during the same time period, is disclosed. A method is also disclosed of operating an automated continuous and random access analytical system capable of simultaneously effecting multiple assays of a plurality of liquid samples wherein scheduling of various assays of the plurality of liquid samples is followed by creating a unit dose disposable and separately transferring a first liquid sample (26), reagents (30) to a reaction vessel (34) without initiation of an assay reaction sequence, followed by physical transfer of the unit dose disposable (34) to a process work station, whereby a mixture of the unit dose disposable reagents and sample (34) are achieved during incubation. The system is capable of performing more than one scheduled assay in any order, and assays where more than such scheduled assays are presented. The automated, continuous and random access analytical system is also capable of analyzing the incubated reaction mixtures independently and individually by at least two assay procedures.

0) US5486008A – BULLET TRAP

30) Family number: 20357666 (US5486008A) © PatBase

Title: Bullet trap

Priority: US19930154023 19931117 WO1994US10545 19940919

Family:

Publication number	Publication date	Application number	Application date
AT204641 E	20010915	AT19940931276T	19940919
AU199480102 A1	19950606	AU19940080102	19940919
CA2176112 AA	19960508	CA19942176112	19940919
CA2176112 C	19990720	CA19942176112	19940919
DE69428053 D1	20010927	DE192860053	19940919
EP0729561 A1	19960904	EP19940931276	19940919
EP0729561 A4	19970924	EP19940931276	19940919
EP0729561 B1	20010822	EP19940931276	19940919
US5486008 A	19960123	US19930154023	19931117
WO9514206 A1	19950526	WO1994US10545	19940919

Probable Assignee: SAVAGE SPORTS CORP

Assignee(s):(std): RONALD COBURN ; PASSIVE BULLET TRAPS LTD ; COBURN RONALD

Assignee(s): FIRST UNION NATIONAL BANK OF NORTH CAROLINA ; FIRST UNION NATIONAL BANK OF NORTH CAROLINA ONE FI ; BANK OF AMERICA NA ; WACHOVIA BANK NATIONAL ASSOC ; VAGE SPORTS CORPSA ; SAVAGE SPORTS CORP ; PASSIVE BULLET TRAPS LIMITED ; SHOOTING RANGES INC ; SAVAGE CORP ; GMAC COMMERCIAL FINANCE LLC ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE ; WACHOVIA BANK NATIONAL ASSOCIATION AS ADMINISTRATI ; WELLS FARGO BANK NATIONAL ASSOCIATION ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS

Inventor(s):(std): COBURN RONALD

Inventor(s): RONALD COBURN

Agent(s): R WILLIAM WRAY AND ASSOCIATES

Designated states: AT AU BE BF BJ BR CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KR LI LU MC ML MR NE NL NO NZ PT RO SE SK SN TD TG

International class (IPC 8–9): F41J13/00 (Advanced/Invention); F41J13/00 (Advanced/Non–invention); F41J13/00 (Core/Invention)

International class (IPC 1–7): F41J1/12 F41J1/14

CPC: F41J13/00

European class: F41J13/00

US class: 273/404 273/410

Classification Explorer

Cited documents: US840610 A, US694581 A, US5121671 A, US5113700 A, US5070763 A, US4821620 A, US4512585 A, US4126311 A, US385546 A, US3737165 A, US2772092 A, US2013133 A, GBH6353, GB6353, GB19086353, GB190806353 A,

Forward Citations: WO14039933, WO12103142, WO12103142, US9423217, US9228810, US9146083, US8827273, US8602418, US8485529, US8469364, US8459651, US8276916, US8128094, US8091896, US7967296, US7909331, US7793937, US7775526, US7653979, US7503250, US7434811, US7306230, US7275748, US7194944, US6732628, US6530572, US6446974, US6173956, US5715739, US2017045340, US2015028546, US2012126481, US2011233869, US2010327531, US2010276889, US2010270743, US2010187761, US2009206551, US2009102130, US2009096173, US2008302026, US2008022847, US2007102883, US2007069472, US2006220319, US2006208425, KR100872128, JP2006105410, EP2416103, DE20307711,

Abstract:
Source: US5486008A A bullet trap with a passageway defined between flat upper and lower boundary walls extending convergingly, at opposite angles of inclination of between 0 DEG and about 15 DEG to the horizontal, from an entrance opening to an exit opening or throat, and a deceleration chamber having a generally spirally curved circumferential boundary wall and provided in its upper region with an inlet opening and in its lower region with a discharge opening leading to a collecting vessel. The circumferential boundary wall of the chamber is constituted by two oppositely concave channel−shaped members the respective upper end regions of which are spaced from each other to define the inlet opening, and the respective lower end regions of which are spaced from each other to define the discharge opening. The chamber communicates at its upper region with the passageway substantially tangentially of the chamber via the directly adjacent inlet opening and throat, and a liquid lubricating fluid can be directed into the chamber from the collecting vessel either in a forced flow mode (pump−activated) through the inlet opening or in a passive mode (bullet−activated) through the discharge opening. For the special purpose of enabling a previously fired firearm to be checked for whether a bullet remains in the firing chamber of the firearm, the trap may have the same basic construction but without the liquid lubricating fluid feature.

31) Family number: 29580625 (US2007248957A) © PatBase

Title: ENCODED SOLID SUPPORTS FOR BIOLOGICAL PROCESSING AND ASSAYS USING SAME

Priority:

US19950428662	19950425	US19950473660	19950607	US19950480147	19950607
US19960020706P	19960624	US19950567746	19951205	US19950538387	19951003
US19950480196	19950607	US19950484504	19950607	US19950484486	19950607
US19960723423	19960930	US19960709435	19960906	US19960633410	19960610
US19960669252	19960624	US19960711426	19960905	US19960726703	19961007
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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

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Abstract:
Source: US2007248957A Combinations, called matrices with memories, of matrix materials with remotely addressable or remotely programmable recording devices that contain at least one data storage unit are provided. The matrix materials are those that are used in as supports in solid phase chemical and biochemical syntheses, immunoassays and hybridization reactions. The matrix materials may additionally include fluophors or other luminescent moieties to produce luminescing matrices with memories. The data storage units are non−volatile

antifuse memories or volatile memories, such as EEPROMS, DRAMS or flash memory. By virtue of this combination, molecules and biological particles, such as phage and viral particles and cells, that are in proximity or in physical contact with the matrix combination can be labeled by programming the memory with identifying information and can be identified by retrieving the stored information. Combinations of matrix materials, memories, and linked molecules and biological materials are also provided. The combinations have a multiplicity of applications, including combinatorial chemistry, isolation and purification of target macromolecules, capture and detection of macromolecules for analytical purposes, selective removal of contaminants, enzymatic catalysis, cell sorting, drug delivery, chemical modification and other uses. Methods for electronically tagging molecules, biological particles and matrix support materials, immunoassays, receptor binding assays, scintillation proximity assays, non–radioactive proximity assays, and other methods are also provided.

0) US5753108A – INTEGRATED OIL RESPONSE AND RECOVERY SYSTEM AND...

32) Family number: 8794610 (US5753108A) © PatBase

Title: INTEGRATED OIL RESPONSE AND RECOVERY SYSTEM AND METHOD AND SKIMMER FOR USE THEREIN

Priority: US19950547218 19951024 WO1996US17049 19961024

Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): HAYNES WILLIAM FREDERICK

Inventor(s):(std)**:** HANAHOE RICHARD JOHN ; HAYNES WILLIAM FREDRICK ; PHELPS CHARLES BERNDT

Inventor(s): WILLIAM FREDRICK HAYNES ; RICHARD JOHN HANAHOE ; CHARLES BERNDT PHELPS

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IL IS IT JP KE KG KP KR KZ LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN

International class (IPC 8–9): E02B15/04 E02B15/10 (Advanced/Invention); E02B15/04 (Core/Invention)

International class (IPC 1–7): E02B15/04

CPC: E02B15/104 Y10S210/923

European class: E02B15/10E

US class: 210/122 210/170 210/170.05 210/170.11 210/242.3 210/923

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Abstract:
Source: US5753108A A skimmer for recovering spilled oil plows through the water at relatively high speeds and operates under a variety of weather conditions. To counteract the pitch and roll of the skimmer while traveling through choppy seas, the skimmer is attached to the propelling vessel by a biaxial mount, which has the shaft perpendicular to the center line of the vessel and horizontal to the water line. This allows the nose section of the skimmer to travel in a vertical direction in concert with oncoming swells and waves. The main control frame of the skimmer is hinged perpendicularly to the vessel shaft yoke to allow the main frame to roll in concert with cross waves and swells. This biaxial mounting allows the nose of the skimmer to remain at a fairly uniform depth in the water no matter which direction the waves are approaching, which allows the skimmer to be attached to virtually any vessel with size and characteristics to accommodate the mass of the skimmer. Pontoons are placed on both sides of the skimmer nose to hold the skimmer nose at a proper depth when moving forward. The pontoons are hinged so as to pivot and stay in concert with the waves and swells to maintain a uniform nose depth. The skimmer belt is a mesh design that will lift high quantities of unwanted material, especially spilled oil, and limit the amount of water that is lifted. Water jets are attached to the mouth of the skimmer to direct unwanted material or

spilled oil into the skimmer.

0) US2001034583A – SPEEDOMETER FOR A MOVING SPORTSMAN

33) Family number: 29953458 (US2001034583A) © PatBase

Title: SPEEDOMETER FOR A MOVING SPORTSMAN

Priority:

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A43B3/00 A43B5/06 A61B5/00 A61B5/024 A61B5/08 A61B5/103 A61B5/11 A61B5/145 A61B5/22 A61F5/14 A63B24/00 A63B71/06 A63C11/00 A63C5/06 A63F13/798 A63K3/00 G01B21/00 G01B21/16 G01B5/02 G01B5/10 G01B7/004 G01C17/38 G01C21/16 G01C22/00 G01C22/02 G01C5/00 G01C9/00 G01G19/44 G01G23/00 G01G23/37 G01G7/00 G01G9/00 G01K13/00 G01L1/00 G01L1/04 G01L1/16 G01L1/22 G01L3/24 G01L5/00 G01P1/12 G01P11/00 G01P13/00 G01P15/00 G01P15/02 G01P15/08 G01P15/18 G01P21/00 G01P3/00 G01P3/36 G01P3/42 G01P3/50 G01P3/62 G01P5/08

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A63B24/00 G01S11/00 (Core/Non-invention)

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European class: A42B3/04B6 A42B3/04B6D A43B3/00 A43B3/00E A43B5/06 A61B5/00B A61B5/11 A61B5/11M A61B5/11N A61B5/11P2 A61B5/11W A61B5/68B1D3 A61B5/68B3D1 A63B23/035G A63B24/00 A63B24/00A A63B24/00A1 A63B24/00E A63B24/00G A63B69/00U A63B69/18 A63B69/18C A63B71/06 A63B71/06B A63B71/06D2 A63B71/10 A63C11/00 A63C17/26 A63C5/06 G01C21/10 G01C21/16 G01C21/20 G01C22/00B G01C22/00P G01C22/02 G01G19/44 G01G23/00 G01G23/37W G01P1/06 G01P1/12C G01P15/00 G01P15/08L G01P15/18 G01P3/36C G01P3/42 G01P3/50 G01P3/62 G01P5/08 G01S11/14 G01S17/02C G01S17/58 G01S19/19 G04F8/08 G06Q10/08 G06Q10/083 G06Q10/0833 G07C1/10 G07C1/22 G07C1/24 G08G1/20 G08G9/00 H04N7/18D2 H04W4/02P4 K61B5/113 K61B5/11M K61B5/11N K61B5/11N2 K61B5/11R K61B5/11S2 K61B503/10 K61B560/04B2 K61B562/02C K61B562/08 K61B562/24B K63B208/12 K63B208/14 K63B220/05 K63B220/12 K63B220/13 K63B220/14 K63B220/16 K63B220/18 K63B220/20 K63B220/30 K63B220/34 K63B220/40 K63B220/44 K63B220/51 K63B220/52 K63B220/53 K63B220/56 K63B220/62 K63B220/64 K63B220/74 K63B220/80A K63B220/80C K63B220/80F K63B220/80G K63B220/80M K63B220/83A K63B220/83C K63B225/15 K63B225/50 K63B230/01 K63B230/75 K63B24/00E1 K63B24/00G3 K63B244/08 K63B244/10 K63B244/19 K63B244/24 K63B5/00 K63B69/00 K63B69/00G K63B69/00J K63B69/00K K63B69/00U K63B69/16 K63B69/18 K63B69/18M K63B69/26 K63B71/06 K63B71/06B K63B71/06C K63B71/06D3 K63B71/06D4 K63B71/06D6B2 K63C203/18 K63C203/24 K63C5/03 S01S11/14 S01S15/60 T04N5/38 T04W4/04B

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Abstract:
Source: US2001034583A The invention detects the loft time and/or speed of a vehicle, such as a sporting vehicle, during activities of moving and jumping. A loft sensor detects when the vehicle leaves the ground and when the vehicle returns to the ground. A microprocessor subsystem converts the sensed information to determine a loft time. A display shows the recorded loft time to a user of the system. In addition, a speed sensor can detect the vehicle's speed for selective display to the user. The invention is particularly well−suited to sporting activities such as snowboarding where users loft into the air on ski jumps and catch "air" time but have no quantitative measure of the actual time lapse in the air. Therefore, users in skiing can use invention to record, store, and playback selected information relating to their sporting day, including the total amount of "air" time for the day and information such as dead time, i.e., time not spent on the slopes.

34) Family number: 13133035 (US5645491A) © PatBase

Title: Apparatus and method for placing golf ball on tee

Priority: US19960695172 19960808

Family:

Publication number	Publication date	Application number	Application date
US5645491 A	19970708	US19960695172	19960808

Probable Assignee: BROWN LOUIS S

Assignee(s):(std)**:** BROWN LOUIS S

Inventor(s):(std)**:** BROWN LOUIS S

International class (IPC 8–9)**:** A63B57/00 (Advanced/Invention); A63B47/02 (Advanced/Non–invention); A63B57/00 (Core/Invention); A63B47/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B57/00

CPC: A63B57/0006 A63B2047/028 A63B2225/05

European class: A63B57/00A K63B225/05 K63B47/02E1P

US class: 473/133 473/135

Classification Explorer

Cited documents: US5549299 A, US5297797 A, US4662641 A, US2643883 A, US2618480 A, US2051253 A, JP6071005 A2,

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Abstract:
Source: US5645491A An automatic apparatus that positions a golf ball on a tee retrieves and positions a new ball on the tee each time a golfer makes a tee shot. A bucket of balls is charged into the apparatus, and a ramp directs the balls, one at a time, to a tee loading station. A plunger drives a ball in the tee loading station into contact with a horizontally positioned tee. The tee has a bore formed in it that communicates with a source of negative pressure so that a ball driven into contact with the tee by the plunger is held to the tee by a vacuum. The resulting increase in a vacuum line reconfigures a four way valve and activates a mechanism that rotates the tee and ball into a vertical position so that the golfer may make a tee shot. The shot disconnects the ball from the tee, resulting in bleeding of the vacuum line, and the drop in pressure reconfigures the four way valve. The valve activates a mechanism that returns the tee to its horizontal position so that it may retrieve another ball from the tee loading station. In another embodiment, the tee moves in a straight line toward the golfer after retrieving a ball so that the golfer may practice hitting a moving target.

0) US2001022558A – WIRELESS LOCATION USING SIGNAL FINGERPRINTING

35) Family number: 29494064 (US2001022558A) © PatBase

Title: WIRELESS LOCATION USING SIGNAL FINGERPRINTING

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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): G01C21/20 G01C21/28 G01C21/34 G01C21/36 G01S1/00 G01S1/02 G01S1/04 G01S19/06 G01S19/09 G01S19/11 G01S19/38 G01S19/46 G01S19/48 G01S3/02 G01S3/14 G01S5/00 G01S5/02 G01S5/04 G01S5/06 G01S5/10 G06Q30/00 G06Q50/00 H04Q7/20 H04Q7/32 H04W24/00 H04W4/02 H04W4/22 H04W64/00 H04W76/00 H04W88/02 (Advanced/Invention);
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G01S5/06 H04W24/00 H04W4/02 H04W4/22 H04W64/00 H04W88/00 (Core/Non–invention)

International class (IPC 1–7): G01S3/02 G01S3/14 G01S5/02 H04B17/00 H04B7/26 H04M11/00 H04Q7/20 H04Q7/22 H04Q7/24 H04Q7/26 H04Q7/36 H04Q7/38 H04Q7/38

CPC: H04W84/045 H04L67/18 G01S2013/466 G01S2013/468 G06Q30/06 G06Q30/02 G06Q30/0641 G06Q40/02 G06Q50/16 G01S5/0263 G01S5/0289 G01S13/878 G06Q20/3224 G01S19/45 H04W28/04 G08G1/096811 G01S5/10 H04W4/028 H04W24/00 H04W88/16 G01S5/0278 G01C21/206 G01S1/026 G01S1/028 G01S1/045 G01S5/0009 G01S5/02 G01S5/0205 G01S5/021 G01S5/0252 G01S5/06 G01S2205/006 G01S2205/008 H04W88/06 H04W4/025 G01S5/0054 H04W4/027 H04W4/02 H04W64/00 G01S5/0018 H04W4/22 G01S5/0268 H04W76/007 G01S5/0257 G01S19/48 H04W4/021 H04W24/10 H04W64/006 H04W88/005

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Abstract:
Source: US2001022558A A location system is disclosed for commercial wireless telecommunication infrastructures. The system is an end−to−end solution having one or more location centers for outputting requested locations of commercially available handsets or mobile stations (MS) based on, e.g., CDMA, AMPS, NAMPS or TDMA communication standards, for processing both local MS location requests and more global MS location requests via, e.g., Internet communication between a distributed network of location centers. The system uses a plurality of MS locating technologies including those based on: (1) two−way TOA and TDOA; (2) pattern recognition; (3) distributed antenna provisioning; and (4) supplemental information from various types of very low

cost non−infrastructure base stations for communicating via a typical commercial wireless base station infrastructure or a public telephone switching network. Accordingly, the traditional MS location difficulties, such as multipath, poor location accuracy and poor coverage are alleviated via such technologies in combination with strategies for: (a) automatically adapting and calibrating system performance according to environmental and geographical changes; (b) automatically capturing location signal data for continual enhancement of a self−maintaining historical data base retaining predictive location signal data; (c) evaluating MS locations according to both heuristics and constraints related to, e.g., terrain, MS velocity and MS path extrapolation from tracking and (d) adjusting likely MS locations adaptively and statistically so that the system becomes progressively more comprehensive and accurate. Further, the system can be modularly configured for use in location signaling environments ranging from urban, dense urban, suburban, rural, mountain to low traffic or isolated roadways. Accordingly, the system is useful for 911 emergency calls, tracking, routing, people and animal location including applications for confinement to and exclusion from certain areas.

36) Family number: 29909586 (US2001006181A) © PatBase

Title: COUNTER–TOP TICKET DISPLAY, WRITING STAND AND METHOD

Priority:
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A63F1/18 A63F3/06 A63F9/24 B05D3/06 B26D7/06 B26F3/00 B26F3/02 B65D83/12 B65G47/14 B65G59/00 B65H35/10 C09D163/10 C09D4/06 G03F7/031 G06F17/00 G07C15/00 G07F11/00 G07F11/70 G07F17/00 G07F17/32 G07F17/42 G07F9/02 (Advanced/Invention);
A63F3/06 G06F17/00 G07F11/00 G07F17/00 (Advanced/Non–invention);
A63F1/00 A63F9/24 B05D3/06 B26D7/06 B26F3/00 B26F3/02 B65G47/14 B65G59/00 B65H35/00 C09D163/10 C09D4/06 G03F7/031 G06F17/00 G07C15/00 G07F17/00 G07F17/32 (Core/Invention);
A63F3/06 (Core/Non–invention);
A63F (Subclass/Invention)

International class (IPC 1–7): A63F3/06 A63F9/24 B05D3/06 B26D1/00 B26F3/00 B26F3/02 B65H35/10 G06F17/00 G07F11/00 G07F17/00

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USD448956 S1, USD441227 S1, USD428060 S1, US7665394 BB, US7548797 BB, US7032793 BB, US7011381 BB, US6932258 BA, US6887152 BB, US6886728 BB, US6863168 BA, US6726077 BB, US6726077 BA, US6726077 B1, US6714838 BB, US6714838 BA, US6714838 B1, US6666318 BB, US6599187 BB, US6497408 BA, US6450887 BA, US6356794 BA, US6351688 BA, US6309298 BA, US6280326 BA, US6251017 BA, US6226077 BA, US6181981 BA, US6181981 B1, US6056233 A, US6050927 A, US6024641 A, US6003668 A, US5997170 A, US5983197 A, US5983179 A, US5979729 A, US5963452 A, US5953709 A, US5944606 A, US5944354 A, US5943241 A, US5941414 A, US5935000 A, US5927541 A, US5902983 A, US5871398 A, US5862968 A, US5853117 A, US5836498 A, US5810664 A, US5803308 A, US5791990 A, US5772511 A, US5772510 A, US5749784 A, US5749277 A, US5735432 A, US5722511 A, US5713256 A, US5695105 A, US5693105 A, US5673837 A, US5657899 A, US5628684 A, US5609337 A, US5608643 A, US5580311 A, US5549233 A, US5543233 A, US5529564 A, US5492398 A, US5476190 A, US5451996 A, US5449111 A, US5445054 A, US5440106 A, US5417424 A, US5406872 A, US5399005 A, US5398932 A, US5377975 A, US5358113 A, US5358094 A, US5317135 A, US5305937 A, US5290033 A, US5286023 A, US5282620 A, US5282127 A, US5239165 A, US5222644 A, US5222624 A, US5219158 A, US5186463 A, US5176224 A, US5160076 A, US5158293 A, US5146820 A, US5137135 A, US513615 A, US5133615 A, US5131561 A, US5119295 A, US5100038 A, US5076555 A, US4995507 A, US4982337 A, US4956221 A, US4949606 A, US4910602 A, US4858806 A, US4753817 A, US4738384 A, US4716799 A, US4677553 A, US4649062 A, US4618085 A, US4608487 A, US4592669 A, US4577789 A, US4556210 A, US4542842 A, US4529114 A, US4473218 A, US4454973 A, US4425209 A, US4412292 A, US4322612 A, US4287228 A, US4252453 A, US4165191 A, US4157670 A, US4148035 A, US4145035 A, US4140259 A, US4107777 A, US4094451 A, US4077859 A, US4054683 A, US4042476 A, US4011975 A, US3998979 A, US3991924 A, US3888399 A, US3661614 A, US3659766 A, US3256760 A, US3110209 A, US3102671 A, US2836018 A, US2752106 A, US2643619 A, US2601200 A, US2578115 A, US2482714 A, US2191497 A, US2164698 A, US2006035698 AA, US2004229671 AA, US2004000572 AA, US2003157979 AA, US2003045340 AA, US2002100785 AA, US2001049986 AA, US2001048013 AA, US2001034263 AA, US1767784 A, KR20010050099 A, KR20000061506 A, EP0665036 A1, EP0479297 A2, CA2379687 AA,

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Abstract:
Source: US2001006181A Lottery ticket dispensing housings are provided with a hinged, transparent rear and top cover, a hinged front wall, and a powered ticket drive and separator module. A relatively tall embodiment of the dispenser with a small footprint is fitted onto the countertop of a check−out counter of a retail store. The top of the housing is flat so as to provide a convenient place for customers to write checks with the tickets being displayed immediately below being highly visible to the customer. A display of relatively flat and short dispensers is provided wherein a rack or housing supports the dispensers one a top of the other in a vertical array. In such a rack or housing the units are connected together electrically in a daisy−chain manner and one control device (point−of−sale terminal, computer or on−line terminal) operates all connected dispensers. The dispensers are shifted laterally with respect to one another to as to give greater viewability of the contents of each of the dispensers to a customer. The length of each dispenser can be decreased with the increasing elevation of the dispenser so as to provide a vertical alignment of the front sides of the dispensers, the side through which tickets are dispensed. A ticket drive and dispensing module is provided which will fit into any of the housings with a minimum of mounting effort or hardware. This relatively flat and short dispenser can also be mounted vertically on a wall or a stand to provide additional convenient installation operations. In such case multiple units are to be daisy−chained together as described above and one control device operates the connected dispensers.

0) US2003179344A – SCANNING LASER OPHTHALMOSCOPE OPTIMIZED FOR SEL...

37) Family number: 20658195 (US2003179344A) © PatBase

Title: SCANNING LASER OPHTHALMOSCOPE OPTIMIZED FOR SELECTIVE RETINAL MICROPHOTOCOAGULATION

Priority: US19960755448 19961122 US19980075239 19980509 US19990317098 19990523 US19990431680 19991101 US19980118767 19980718 US20020291958 20021110 US20080151951 20080509 WO1997US21453 19971120 WO1999US09911 19990507 WO2000US14176 20000523 US20050182538 20050715 WO2003US35717 20031110 US20020291958 20021110

Family:

Publication number	Publication date	Application number	Application date
EP0973432 A2	20000126	EP19970948485	19971120
EP1082048 A1	20010314	EP19990921721	19990507
EP1194066 A1	20020410	EP20000936220	20000523
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US6186628 BA	20010213	US19990431680	19991101
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Probable Assignee: VAN DE VELDE JOZEF F

Assignee(s):(std)**:** JOZEF F VAN DE VELDE ; VAN DE VELDE FRANS ; VAN DE VELDE FRANS J ; VELDE FRANS J VAN DE ; VELDE JOZEF F VAN DE ; VELDE JOZEK F VAN DE

Assignee(s): VAN DE VELDE JOZEF F ; VAN DE VELDE JOZEK F

Inventor(s):(std)**:** VAN DE VELDE FRANS ; VAN DE VELDE FRANS J

Agent(s): DR FRANS J VAN DE VELDE

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT JP LU MC NL PT RO SE SI SK TR

International class (IPC 8–9)**:** A61B3/00 A61B3/10 A61B3/12 A61B3/14 A61B3/15 A61F9/008 (Advanced/Invention); A61B17/00 A61B17/22 A61B3/107 A61B3/12 A61F9/01 (Advanced/Non–invention); A61B3/10 A61B3/12 A61B3/14 A61B3/15 A61F9/007 (Core/Invention); A61B17/00 A61B17/22 A61B3/107 A61B3/12 (Core/Non–invention); A61B (Subclass/Invention)

International class (IPC 1–7)**:** A61B3/00 A61B3/10 A61B3/14 H01B17/58 H02G3/18 H02G3/22

CPC: A61B2017/22087 A61F2009/00872 A61F2009/00848 A61F2009/00897 A61B2017/00694 A61F9/008 A61F9/00821 A61F2009/00846 A61F2009/00863 A61F2009/0088 A61B3/1025 A61B3/1225 A61B3/102

European class: A61B3/10 A61B3/10F A61B3/10H A61B3/10J A61B3/12H A61B3/14B A61B3/15B A61F9/008 A61F9/008C K61B17/00Q4 K61B17/22S6 K61B3/107 K61B3/12H

K61F9/008F1 K61F9/008F2 K61F9/008L1 K61F9/008L5 K61F9/008P1 K61F9/008S

US class: 351/200 351/200P 351/205 351/206 351/221 351/221P

Classification Explorer

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Abstract:
Source: US2003179344A A combination of a confocal scanning laser ophthalmoscope and external laser sources is used for microphotocoagulation purposes. An opto−mechanical linkage device and beamsplitter is used to align the pivot point of the Maxwellian view of the scanning laser ophthalmoscope with the pivot point of non−scanning external laser beams. The same pivot point is necessary to minimize wavefront aberrations and to enable precise focussing of a therapeutic laser beam on the retina. An AOM and/or two−dimensional AOD can be inserted in the pathway of the Gaussian therapeutic beam to control intensity and spatial pattern of small and short−duration pulses. The location of the external laser beam on the retina is determined with the help of two synchronized detectors and image processing. One detector is used to localize moving fiducial landmarks of the retina. A second detector is used to locate on the retina the external laser aiming beam. Two different confocal apertures are used. Polarizing the aiming beam is necessary to further reduce unwanted reflections from the anterior corneal surface.

0) US5763761A – BALL STRIKING APPARATUS

38) Family number: 10863570 (US5763761A) © PatBase

Title: BALL STRIKING APPARATUS

Priority: US19960605734 19960222

Family:

Publication number	Publication date	Application number	Application date
US5763761 A	19980609	US19960605734	19960222

Probable Assignee: PARENTE EUGENE R

Assignee(s):(std)**:** PARENTE EUGENE R

Inventor(s):(std)**:** DYNES SEAN J ; PARENTE EUGENE R

International class (IPC 8–9)**:** A63B59/00 A63B69/40 G01M99/00 (Advanced/Invention); A63B47/00 A63B69/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** G01M7/00

CPC: A63B60/42 G01M99/00 A63B47/008 A63B69/0002 A63B69/40 A63B69/408

European class: A63B59/00M A63B69/40 G01M99/00 K63B47/00M K63B69/00B K63B69/40E4

US class: 473/453 73/12.02 73/12.09 73/12.14 73/121.4

Classification Explorer

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Forward Citations: WO15027285, WO14165942, WO14043055, US9675857, US9463572, US9452884, US8974314, US6640200, US6381516, US5908979, US2016151680, US2016101939, US2014128172, US2014074425, GB2532674, CN104661712, CN103604577,

Abstract:
Source: US5763761A Generally, the invention can be used to strike an object with an implement. Two applications for which the invention is particularly useful are hitting a golf ball with a golf club, and hitting a baseball or softball with a baseball bat. The invention can be used to, for instance, test an implement (e.g., golf club or baseball bat) used to strike an object (e.g., golf ball or baseball), either to verify acceptable performance of the implement, or to provide information regarding the performance of the implement to assist in the further design of the implement. The invention can also be used to test the object (e.g., golf ball or baseball) being struck. Additionally, when the invention is used to hit a baseball or softball, the invention can be used to hit balls to enable one or more players to engage in fielding practice. An apparatus of the invention includes a frame, an arm rotatably mounted to the frame, and a drive mechanism adapted to rotate the arm, such that when the arm is rotated, an implement held by the arm strikes an object. The apparatus of the invention further includes one or more of several novel features that enable the apparatus to swing the arm in a desired fashion.

0) WO9849614A1 – METHOD AND APPARATUS FOR DESIGNING AND CONTROLL...

39) Family number: 31808497 (WO9849614A1) © PatBase

Title: METHOD AND APPARATUS FOR DESIGNING AND CONTROLLING FORCE SENSATIONS IN FORCE FEEDBACK COMPUTER APPLICATIONS

Priority: EP19980919880 19980420 US19970846011 19970425 WO1998US08309 19980420

Family:

Publication number	Publication date	Application number	Application date
CA2287349 AA	19991025	CA19982287349	19980420
CA2287349 C	20020625	CA19982287349	19980420
EP1012697 A1	20000628	EP19980919880	19980420
EP1012697 A4	20050202	EP19980919880	19980420
EP1012697 B1	20150805	EP19980919880	19980420
EP1988446 A1	20081105	EP20080162795	19980420
WO9849614 A1	19981105	WO1998US08309	19980420

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** IMMERSION CORP ; IMMERSION HUMAN INTERFACE CORP

Assignee(s): ROSENBERG LOUIS B ; CHANG DEAN C

Inventor(s):(std)**:** CHANG DEAN C ; ROSENBERG LOUIS B

Agent(s): SMART AND BIGGAR; WESTON ROBERT DALE; ILGART JEAN CHRISTOPHE

Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

International class (IPC 8–9): B25J9/16 G05G9/047 G06F3/00 G06F3/01 G06F3/033 G06F3/038 G09G5/08 (Advanced/Invention); A63B24/00 (Advanced/Non–invention)

International class (IPC 1–7): G06F3/00 G06F3/033 G09G5/08

CPC: G06F3/016 A63B24/00 A63F2300/1025 A63F2300/1037 B25J9/1689 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/03543 G06F3/038 G06F3/0383 G06F2203/014 G06F2203/015 H01H2003/008

European class: B25J9/16T4 G05G9/047 G06F3/00B8T G06F3/01F G06F3/033Z8D1 G06F3/0354M G06F3/038 G06F3/038E K63B24/00 K63F300/10D K63F300/10F S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F

Classification Explorer

Cited documents: WO9712357 A1, WO9532459 A1, US6219032 BA, US6028593 A, US6024576 A, US5959613 A, US5805140 A, US5767839 A, US5734373 A, US5731804 A, US5721566 A, US5551701 A, US5185561 A, US08747841, US08709012, US08664086, US08571606, US08566282, US08560091, US08489068, US08400233,

Forward Citations: WO9858308, WO0041155, US6863536, US6433771, US6424356, US6343349, US6292170, US6285351, US6252583, TWI426188, GB2346455, GB2346455, FR2790319, EP0995152,

Abstract:
A method and apparatus for commanding and designing force sensations for use with a force feedback interface device (14). A force feedback interface device (14) is connected to a host computer (12) that implements a graphical environment. The host (12) sends commands and command parameters to the interface device (14) to initiate and characterize force sensations output on a user manipulatable object (34), such as a joystick. The interface device includes a local microprocessor (26) for implementing force sensations by controlling actuators (30) and reading sensors (28) according to the host commands. Host commands are included for initiating and characterizing condition forces, such as walls, effect (wave) forces, such as periodic waves, and dynamic force sensations. A graphical design interface tool displays graphical representations of force sensations and allows intuitive and flexible design and modification of the force sensations.

40) Family number: 31808496 (WO9858308A1) © PatBase

Title: METHOD AND APPARATUS FOR DESIGNING FORCE SENSATIONS IN FORCE FEEDBACK COMPUTER APPLICATIONS

Priority: US19970877114 19970617 WO1998US12389 19980615

Family:

Publication number	Publication date	Application number	Application date
AT520071 E	20110815	AT19980930218T	19980615
CA2294128 AA	19991216	CA19982294128	19980615
EP0995152 A1	20000426	EP19980930218	19980615
EP0995152 A4	20000607	EP19980930218	19980615
EP0995152 B1	20110810	EP19980930218	19980615
WO9858308 A1	19981223	WO1998US12389	19980615

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** IMMERSION CORP ; IMMERSION HUMAN INTERFACE CORP

Assignee(s): ROSENBERG LOUIS B ; CHANG DEAN C

Inventor(s):(std)**:** CHANG DEAN ; ROSENBERG LOUIS ; ROSENBERG LOUIS B ; CHANG DEAN C

Agent(s): SMART AND BIGGAR; WESTON ROBERT DALE

Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

International class (IPC 8–9): G05G9/047 G06F3/00 G06F3/01 G06F3/033 G06F3/038 G09G5/08 (Advanced/Invention)

International class (IPC 1–7): G06F3/00 G06F3/033 G09G5/08

CPC: A63F2300/1025 A63F2300/1037 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/016 G06F3/03543 G06F3/0383 G06F2203/014 G06F2203/015 H01H2003/008

European class: G05G9/047 G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/0354M G06F3/038E K63F300/10D K63F300/10F S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F

Classification Explorer

Cited documents: WO9849614 A1, US5551701 A,

Forward Citations: WO0120437, WO0120437, US8994643, US8576222, US8456484, US8174535, US7889209, US7864173, US7833018, US7815436, US7808509, US7806696, US7800609, US7714836, US7710415, US7626589, US7411576, US7400331, US7382378, US7319466, US7259761, US7225404, US7212203, US7149596, US7103499, US7102635, US7095418, US6985133, US6965371, US6958752, US6929481, US6879315, US6867770, US6792398, US6671651, US6552722, US6529183, US6470302, US6433771, US6424356, US6421048, US6417638, US6343349, US6292170, US6285351, US6252583, US6106301, US6084587, GB2387241, GB2387241, GB2348352, GB2346455, GB2346455, FR2790319,

Abstract:
A design interface tool (300) for designing force sensations for a force feedback interface device (14) connected to a host computer (12) that displays the interface tool (300). Input from a user is received in the interface (300) to select a type of force sensation to be commanded by a host computer (12) and output by a force feedback interface device (14). A graphical representation of the force sensation is displayed on the host computer (12) which provides a visual demonstration of a feel of the force sensation so that the user can view an effect of user input parameters on said force sensation. The force sensation is output to a user manipulatable object (34) of the force feedback device (14) so that the user can feel the designed force sensation, where the graphical representation is updated in conjunction with the output of the force sensation. The user can interactively modify force sensation characteristics and feel the results.

0) US6973931B – AUTOMATED HAIR ISOLATION AND PROCESSING SYSTEM ...

41) Family number: 20694926 (US6973931B) © PatBase

Title: AUTOMATED HAIR ISOLATION AND PROCESSING SYSTEM

Priority: US19970063574P 19971030 US19980530303 19981030 WO1998US23055 19981030 US20000530303 20000427

Family:

Publication number	Publication date	Application number	Application date
AU199912903 A1	19990524	AU19990012903	19981030
CA2388886 AA	20020423	CA19982388886	19981030
CA2388886 C	20091020	CA19982388886	19981030
EP1124454 A2	20010822	EP19980956364	19981030
JP2002527631 T2	20020827	JP20000518635T	19981030
US6973931 BA	20051213	US20000530303	20000427
WO9922694 A2	19990514	WO1998US23055	19981030
WO9922694 A3	19990812	WO1998US23055	19981030

Probable Assignee: KING CHRISTOPHER R

Assignee(s):(std)**:** KING CHRISTOPHER R

Assignee(s): CHRISTOPHER R KING

Inventor(s):(std)**:** KING CHRISTOPHER R

Inventor(s): CHRISTOPHER R KING

Agent(s): CHRISTOPHER R KING; NA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9)**:** A41G3/00 A41G5/00 A45C3/00 A45D19/02 A45D19/16 A45D24/10 A45D24/34 B26B13/24 B26B19/20 (Advanced/Invention); A45C3/00 A45D19/00 A45D19/16 B26B13/24 B26B19/38 (Advanced/Non–invention); A41G3/00 A41G5/00 A45C3/00 A45D19/00 A45D24/00 B26B19/00 (Core/Invention); B26B13/00 B26B19/38 (Core/Non–invention)

International class (IPC 1–7)**:** A41G3/00 A45C3/00 A45D24/10 A45D24/34

CPC: A41G5/0086 A45D19/02 A45D19/16 A45D24/34 A45D2019/0091 A45D2024/345 B26B13/24 B26B19/20 B26B19/38

European class: A41G5/00C6 A45D19/02 A45D24/34 B26B19/20 K45D19/00T6S K45D19/16 K45D24/34S L26B13/24 L26B19/38

US class: 132/201 132/212

Classification Explorer

Cited documents: US5107867 A, US5018542 A, US4385638 A, US4108186 A, US3926200 A, US3903903 A, US3521645 A, US3295534 A, US2091738 A, US1678891 A, JP48010817 B4, JP48010817 A2,

Forward Citations: WO16092080, WO11154073, WO10088495, WO08024955, WO08024955, WO05070244, USRE42438, USRE42437, USRE42381, US9656400, US9526581, US9271535, US8951267, US8882783, US8800163, US8690894, US8672923, US8590543, US8575076, US8322046, US8290229, US8211134, US8206035, US8199983, US8152827, US8152377, US8136263, US8133247, US8096205, US8036448, US7962192, US7946056, US7922688, US7792333, US7783177, US7771821, US7650976, US7627157, US7621934, US7621933, US7572200, US7500472, US7477782, US7458585, US7406940, US7322749, US7318514, US7284525, US7273655, US7255083, US7228786, US7146956, US7134381, US2014346161, US2014173927, US2012230561, US2011224693, US2011224504, US2011036822, US2010269649, US2010121304, US2009178943, US2009088720, US2009087830, US2009080733, US2009052738, US2008167674, US2008049992, US2007242858,

US2007163614, US2007106307, US2007106306, US2007078475, US2007078473, US2007078466, NL1030766, KR101030853, JP2009502520, ITNA20130055, EP3031350,

Abstract:
Source: US6973931B A device comprised of hair−flow−channel guides continuously moved over the surface of the scalp. A track cap of parallel tracks is placed on the head to guide device's movement over the scalp along non−overlapping rows. At the front of the device is a hair−tensioning straightener that pulls hairs perpendicular to the scalp before and during processing. A bend−under assembly, formed by two pinching conveyer belts, facilitates hair exit from the channels by bending scalp−attached hairs beneath the walls of each hair channel. Intermittent intersection of each channel by an obstructing member isolates one or a few leading hairs for processing and forces trailing hairs to wait their turn for cosmetic processing behind it. Isolated scalp hairs may be cosmetically processed in ways including coloration; cross−section reshaping, hair−extension attachment and removal, and cutting to length according to position along track. Hair extensions removed at one position along a track cap are conveyed to corresponding holding clips and loaded in an order so as to permit their reattachment to the same scalp area. Hair extensions so held can be channeled and isolated for attachment, as are scalp hairs. A bend−under assembly can be used to draw one or a group of isolated hairs longitudinally through the chamber in which they are isolated facilitating cross−sectional reshaping of hairs or cutting to a preprogrammed length. Intersecting member and cosmetic processing actuation synchronized by computer.

42) Family number: 14332756 (FR2773719A) © PatBase

Title: Propulsion device for ball on games table

Priority: FR19980000580 19980116

Family:

Publication number	Publication date	Application number	Application date
FR2773719 A1	19990723	FR19980000580	19980116
FR2773719 B1	20000407	FR19980000580	19980116

Probable Assignee: FONDIN GILLES

Assignee(s):(std)**:** FONDIN GILLES

Inventor(s):(std)**:** CYRILLE GUILLOT ; FONDIN GILLES ; GILLES FONDIN ; GUILLOT CYRILLE

International class (IPC 8–9)**:** A63F7/24 (Advanced/Invention)

International class (IPC 1–7)**:** A63F7/24

CPC: A63F7/2472 A63F7/2481 A63F7/28

European class: A63F7/24B5 K63F7/24B6 K63F7/28

Classification Explorer

Cited documents: US3195267, US2454939, US1953810, GB191213559, GB191023619, DE2929893,

Abstract:
The propulsion body (1) comprises a casing (3), containing a propulsion piston (6), connected to a launch ramp (2) which has a lower surface constituting a placing plane on the plane games surface (16). The launch ramp is provided with a location (14) for positioning the ball (13) and constitutes a guide for directing the path of the ball after propulsion. The ramp is pivoting mounted on the propulsion body around an axis (55) so that it can be in an inactive position preventing propulsion. It is placed in the active position when the ramp lower surfaces and the propulsion body are in the same plane.

0) WO9949443A2 – FORCE FEEDBACK CONTROL WHEELS AND KNOBS MOLETT...

43) Family number: 31808492 (WO9949443A2) © PatBase

Title: FORCE FEEDBACK CONTROL WHEELS AND KNOBS

Priority: EP19990914135 19990324 US19980049155 19980326 US19980179382 19981026 WO1999US06510 19990324

Family:

Publication number	Publication date	Application number	Application date
AT482446 E	20101015	AT19990914135T	19990324
AU199932042 A1	19991018	AU19990032042	19990324
AU762226 B2	20030619	AU19990032042	19990324
CA2291226 AA	19991125	CA19992291226	19990324
CA2291226 C	20021022	CA19992291226	19990324
DE69942788 D1	20101104	DE19996042788	19990324
EP1066616 A2	20010110	EP19990914135	19990324
EP1066616 A4	20030702	EP19990914135	19990324
EP1066616 B1	20100922	EP19990914135	19990324
EP2246770 A2	20101103	EP20100173211	19990324
EP2246770 A3	20110914	EP20100173211	19990324
EP2246770 B1	20121205	EP20100173211	19990324
WO9949443 A2	19990930	WO1999US06510	19990324
WO9949443 A3	20001026	WO1999US06510	19990324
WO9949443 C2	19991125	WO1999US06510	19990324

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): ROSENBERG LOUIS B ; SCHENA BRUCE M

Inventor(s):(std)**:** ROSENBERG LOUIS ; SCHENA BRUCE ; SCHENA BRUCE M ; ROSENBERG LOUIS B

Inventor(s): LOUIS B ROSENBERG ; BRUCE M SCHENA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; WESTON ROBERT DALE; PHILLIPS AND LEIGH

Designated states: AT AU BE CA CH CN CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

International class (IPC 8–9)**:** G01C21/36 G05G9/047 G06F3/00 G06F3/01 G06F3/023 G06F3/03 G06F3/033 G06F3/0354 G06F3/0362 G06F3/039 G06F3/048 G06F3/0482 G06F3/0485 G09G1/00 (Advanced/Invention)

International class (IPC 1–7)**:** G06F3/03 G06F3/033 G06K11/18 G09G G09G1/00 G09G5/08

CPC: G01C21/36 Y10S715/97 G06F3/016 A63F2300/1037 G01C21/3664 G05G9/047 G05G2009/0477 G06F3/0219 G06F3/0354 G06F3/03543 G06F3/03548 G06F3/0362 G06F3/0395 G06F3/0482 G06F3/0485 G06F2203/013 G06F2203/014 H01H2003/008 Y10T74/20262

European class: G01C21/36 G01C21/36K G05G9/047 G06F3/00B8T G06F3/01F G06F3/023A5 G06F3/02A5 G06F3/033A1M G06F3/033Z8A1 G06F3/033Z8C G06F3/033Z8D1 G06F3/0354 G06F3/0354M G06F3/0354S G06F3/0362 G06F3/039M G06F3/0482 G06F3/0485 K63F300/10F S05G9/047F2 S06F203/013 S06F203/014 T01H3/00F

Classification Explorer

Cited documents: WO9824183 A1, WO9725657 A1, WO9721160 A2, US5825308 A, US5805140 A, US5767839 A, US5745057 A, US5734373 A, US5731804 A, US5724106 A, US5721566 A, US5691898 A, US5473344 A, US5191320 A, US4868549 A, EP0794089 A2, EP0789321 A2, DE4405314 C1, DE19630810 A1, DE19528457 A1,

Forward Citations: WO17114650, WO16016520, WO13126392, WO05096113, WO05096113, WO04108453, WO04108453, WO04108331, WO04108331, WO04098029, WO04038573, WO04038573,

WO03030092, USRE45559, USRE44855, USRE44277, USRE44103, USRE42738, US9711066, US9654104, US9454256, US9405421, US9367151, US9360967, US9354751, US9274600, US9261984, US9047009, US9031742, US9009626, US8952886, US8933890, US8930157, US8872771, US8866780, US8820133, US8816967, US8773356, US8749493, US8743060, US8704770, US8704769, US8694201, US8683378, US8648829, US8552990, US8537132, US8537115, US8514185, US8482530, US8473115, US8446370, US8416198, US8395590, US8330061, US8314773, US8279176, US8243018, US8190326, US8185267, US8161404, US8159461, US8125461, US8125453, US8077147, US8059099, US8044314, US8022935, US7932897, US7910843, US7880729, US7808488, US7808479, US7795553, US7710409, US7710397, US7710394, US7710393, US7679611, US7671837, US7643917, US7535458, US7499040, US7495659, US7358963, US7345671, US7333092, US7312785, US7233318, US7119792, US7084856, US7046230, US6937927, US6863536, US6660947, GB2410316, GB2410316, FR3024562, EP2568369, EP2082311, EP1965291, EP1942397, EP1939712, EP1630654, EP1587026, EP1557809, EP1553483, EP1449197, EP1449197, EP1316878, EP1303853, EP1217507, EP1217507, EP1217496, EP1217496, EP1213188, EP1122683, EP1122683, EP1069488, EP1069488,

Abstract:
A force feedback wheel or knob is provided on a mouse or other device to be manipulated by a user. In one embodiment, a rotatable wheel is mounted upon a manipulandum, such as a mouse, and rotates about a wheel axis, where a wheel sensor provides a wheel signal to a host computer indicating a rotary position of the wheel, and a wheel actuator coupled to the rotatable wheel applies a computer−modulated force to the wheel about the wheel axis. The force applied to the wheel can correspond with an event or interaction displayed in a host graphical environment. In other embodiments, a knob on a device allows a user to control functions of the device. The knob is rotatable in a rotary degree of freedom and can be moved in a transverse direction perpendicular to the axis of rotation and/or moved in a linear degree of freedom, allowing the knob to be pushed or pulled by the user. Force feedback is preferably provided using an actuator coupled to the knob. The device controlled by the knob can be, for example, an audio device, a video device, etc. Detent forces can be provided for the knob by overlapping and adjusting ranges of closely−spaced detents in the rotary degree of freedom of the knob.

0) US2004046736A – NOVEL MAN MACHINE INTERFACES AND APPLICATIONS

44) Family number: 11839475 (US2004046736A) © PatBase

Title: NOVEL MAN MACHINE INTERFACES AND APPLICATIONS

Priority:

EP20040759053 20040331 EP20130150499 20040331 US19940290516 19940815
US19920946588 19920918 US19920496908 19920918 US19950496908 19950629
US19980138285 19980821 US19970056639P 19970822 US19970059561P 19970919
US19990142777P 19990708 US19990435854 19991108 US20000183807P 20000222
US20000142777P 20000222 US20000183807P 20000926 US20020376353P 20020429
US20030424975 20030429 US20000187396P 20000307 US20000187397P 20000307
US20010974250 20011010 US20000239618P 20001011 US20000246344P 20001107
US20020393130P 20020703 US20030458434P 20030331 US20010799797 20010307
US20000234934P 20000926 US20010789538 20010222 US20000612225 20000707
US20030502271P 20030912 US20030499890P 20030904 US20010799797 20010304
US20070852690 20070910 US20070980716 20071031 US20070980715 20071031
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US20060429305 20060508 US20030622812 20030721 US20070980717 20071031
US20050118774 20050502 US20060835072P 20060803 US20040639799P 20041229
US20050660328P 20050311 US20050684959P 20050527 US20060371224 20060309
US20060349350 20060208 US20050319807 20051229 US20050045131 20050131
US20070832134 20070801 US20060844082P 20060913 US20060439442 20060524
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US20050650554P 20050208 US20040893534 20040719 US20070878024 20070720
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US20030611814 20030702 US20040539578P 20040129 US20070980718 20071031
US20070980722 20071031 US20070980721 20071031 US20080022991P 20080123
US20090358404 20090123 US20090500968 20090710 US20090500984 20090710
US20090500978 20090710 US20090500973 20090710 US20090500925 20090710
US20090468401 20090519 US20080054643P 20080520 US20100748657 20100329
US20100748670 20100329 US20100748665 20100329 US20100754285 20100405
US20100719433 20100308 US20100715097 20100301 US20100748666 20100329
US20100834281 20100712 US20100897056 20101004 US20100897061 20101004
US20100897079 20101004 US20100897072 20101004 US20100897068 20101004
US20100897075 20101004 US20100897077 20101004 US20100964123 20101209
WO2010US35488 20100519 US20110051698 20110318 US20120461954 20120502
US20110506212P 20110711 US20120544180 20120709 US20120556019 20120723
US20120714755 20121214 US20120668351 20121105 US20130850602 20130326
US20130866839 20130419 US20130849150 20130322 US20120620299 20120914
US20090500951 20090710 US20120613679 20120913 WO2004US09701 20040331

Family:

Publication number	Publication date	Application number	Application date
AU2010249515 AA	20101125	AU20100249515	20100519
CN102498442 A	20120613	CN201080028358	20100519
DE602004050237 D1	20161215	DE200460050237T	20040331
EP1626877 A2	20060222	EP20040759053	20040331
EP1626877 A4	20110810	EP20040759053	20040331
EP2213501 A2	20100804	EP20100003820	20040331
EP2213501 A3	20120509	EP20100003820	20040331
EP2433188 A2	20120328	EP20100725928	20100519
EP2581248 A1	20130417	EP20130150499	20040331
EP2581248 B1	20161102	EP20130150499	20040331
JP2012527847 T2	20121108	JP20120512012T	20100519
KR20120011892 A	20120208	KR20117030372	20100519
US2004046736 AA	20040311	US20030622812	20030721
US2005064936 AA	20050324	US20040934762	20040907
US2005129273 AA	20050616	US20040893534	20040719
US2005276448 AA	20051215	US20050184076	20050719
US2006202953 AA	20060914	US20060429305	20060508
US2006267963 AA	20061130	US20060495666	20060731
US2008024463 AA	20080131	US20070832134	20070801

US2008088587 AA	20080417	US20070852690	20070910	
US2008122786 AA	20080529	US20070980716	20071031	
US2008122799 AA	20080529	US20070980715	20071031	
US2008122805 AA	20080529	US20070980718	20071031	
US2008125289 AA	20080529	US20070980717	20071031	
US2008129704 AA	20080605	US20070980701	20071031	
US2008129707 AA	20080605	US20070980722	20071031	
US2008132332 AA	20080605	US20070980714	20071031	
US2008144886 AA	20080619	US20070980710	20071031	
US2008211779 AA	20080904	US20070980721	20071031	
US2009233769 AA	20090917	US20090358404	20090123	
US2009267921 AA	20091029	US20090500968	20090710	
US2009273563 AA	20091105	US20090500978	20090710	
US2009273574 AA	20091105	US20090500951	20090710	
US2009273575 AA	20091105	US20090500984	20090710	
US2009300531 AA	20091203	US20090500973	20090710	
US2009322499 AA	20091231	US20090500925	20090710	
US2010182136 AA	20100722	US20100748657	20100329	
US2010182137 AA	20100722	US20100748670	20100329	
US2010182236 AA	20100722	US20100748665	20100329	
US2010190610 AA	20100729	US20100754285	20100405	
US2010194976 AA	20100805	US20100719433	20100308	
US2010201893 AA	20100812	US20100715097	20100301	
US2010231506 AA	20100916	US20090468401	20090519	
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US7714849 BB	20100511	US20060495666	20060731	
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US8892219 BB	20141118	US20120668351	20121105	
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WO04091956 A3	20071213	WO2004US09701	20040331	
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WO10135478 A3	20110224	WO2010US35488	20100519	

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B3/02 A61B5/11 A61B5/12 A61B6/00 A63B24/00 A63B71/00 A63F13/00 A63F13/02 A63F13/04 A63F13/06 A63F3/00 A63F3/02 A63F7/02 A63F9/24 B60K1/00 B60K35/00 B60K37/02 B60K37/06 B60Q1/00 B60R11/02 G01C21/36 G01D1/00 G01D13/00 G01F1/708 G01S5/16 G05B11/01 G05B15/00 G05B19/042 G06F15/00 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06F3/01 G06F3/03 G06F3/033 G06F3/0354 G06F3/038 G06F3/041 G06F3/042 G06F3/043 G06F3/045 G06F3/048 G06F3/0484 G06F3/0488 G06K11/06 G06K9/00 G06M11/04 G06T17/40 G06T7/00 G08B21/00 G08B6/00 G08C21/00 G09G5/00 G09G5/08 G09G5/10 G10H1/00 G10L21/00 H04B3/36 H04N5/225 H04N5/64 H04N7/18 H04N9/31 H04Q9/00 (Advanced/Invention); A63F9/24 B60R11/00 G06F3/041 (Advanced/Non–invention); A63B71/00 A63F3/02 A63F7/02 B60K37/04 B60Q1/00 G01D1/00 G01S5/00 G05B11/01 G05B15/00 G06F15/00 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F3/033 G06F3/041 G06F3/048 G06K9/00 G06M11/00 G09G5/00 G09G5/08 G10L21/00 H04N5/225 H04N5/64 H04N7/18 H04N9/31 (Core/Invention); A63F9/24 G06F3/041 (Core/Non–invention); B60K (Subclass/Invention)

International class (IPC 1–7): A63F9/24 B60K1/00 G06F19/00 G06K9/00 G09G5/00 G09G5/08

CPC: A63F7/027 A63F2003/00974 A63F2009/243 A63F2009/2435 A63F2009/2457 G06F3/0423 G06F2203/0381 G06F3/0426 H04N9/3129 G06F2203/04808 Y10S128/92 Y10S128/921 Y10S128/922 A63F2300/8023 G06F3/01 G06K9/00335 G06K9/2018 G06T2207/10021 G06T2207/30196 G06T2207/30204 A63B24/0062 A63B71/06 A63B24/0075 G06F19/3475 G06F19/3481 G06Q30/06 A63F13/02 A63F13/04 A63F13/10 A63F2300/1043 A63F2300/1062 A63F2300/1081 A63F2300/6045 A63F2300/69 G06F3/038 G06F3/0428 G06F19/3406 G06F19/3418 G06F19/3437 G10H1/0008 G10H2220/321 B60K2350/1004 G06T2219/2016 G06T2219/2021 G06F3/0346 G06F17/5095 G06F2217/32 G05B19/0423 A47L15/0063 G01F23/292 G05B2219/23031 G05B2219/2643 G05B2219/31048 A63F2300/1093 B60K2350/2052 F24C7/082 H05B6/6435 H05B2213/04 B60K2350/1044 B60K2350/1052 B60K2350/355 Y10S482/90 Y10S482/901 B60R11/02 B60R11/0235 B60R2011/0005 B60R2011/0007 B60R2011/0012 B60R2011/0028 B60R2011/0029 B60R2011/0042 B60R2011/0094 G06F3/042 B60K37/02 B60K2350/106 B60K2350/1072 G06F3/0421 G06F3/04886 G01C21/365 B60K2350/2013 B60K2350/925 B60K2350/962 G01C21/265 G06T19/20 G06F2203/04109 G06F3/012 G06F3/014 A63F13/213 A63F13/245 A63F13/803 A63F13/428 A63F13/2145 A63F13/00 A63F2300/1075 A63F2300/1087 A63F2300/30 A63F2300/308 A63F2300/8011 G07F17/3297 G06F3/0304 G06F3/0325 G06F3/011 A63F3/00643 A63F7/0005 A63F13/06 A63F2009/0012 A63F2009/2419 A63F2009/2433 A63F2250/50 A63F2300/1068 G06F2203/04101 G01S5/16 G05G1/105 B60K2350/1016 G06F3/0425 B60K2350/102 B60K2350/104 G01C21/3664 G06F3/0312 G06F3/03545 G06F3/04847 G06F3/0488 G06F2203/04108 G06F2203/04809 G06T7/246 G06T7/593 G06T7/73 B33Y50/00 B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028 B60K2350/901 G06F3/016 G06F3/017 G06F3/0416 G06F3/04883

European class: A63B71/06 A63F13/00 A63F13/02 A63F13/04 A63F13/06 A63F13/10 A63F3/00E A63F7/02P1 B60K35/00 B60K37/02 B60K37/06 B60R11/02 B60R11/02E2 G01C21/26C G01C21/36 G01C21/36G7 G01C21/36K G01F23/292 G01S5/16 G05B19/042N G06F17/50V G06F19/34A G06F19/34H G06F19/34M G06F19/34N G06F3/00B8 G06F3/00B8G G06F3/01 G06F3/01B G06F3/01F G06F3/01G G06F3/033D G06F3/033Z2 G06F3/033Z8E G06F3/0346 G06F3/0354N G06F3/038 G06F3/03H G06F3/03H2 G06F3/03H6 G06F3/041T G06F3/042 G06F3/042B G06F3/042B4 G06F3/042C G06F3/042C1 G06F3/042P G06F3/0484P G06F3/0488 G06F3/0488G G06F3/0488T G06K9/00G G06K9/20C G06Q30/06 G06T19/00 G06T19/00R G06T7/00P1 G06T7/00R7S G06T7/20C G07F17/32P10 G10H1/00M H04N9/31B K63B24/00H K63F250/50 K63F3/00E K63F3/00Q5 K63F300/10M K63F300/10S K63F300/10T K63F300/10T1 K63F300/10V K63F300/10X K63F300/10X1 K63F300/30 K63F300/30M K63F300/60N K63F300/69 K63F300/80B K63F300/80E K63F7/00B K63F9/00D2 K63F9/24N2B

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US class: 116/205 116/205S 128/920 128/921 128/922 178/18.01 178/18.09 273/237 273/274 307/10.1 340/407.1 340/407.100P 340/407.2 340/407.200P 340/425.5 340/425.500P 345/156 345/156P 345/156S 345/157 345/157P 345/158 345/158P 345/161 345/173 345/173P 345/173S 345/174 345/174P 345/175 345/175P 345/175S 345/177 345/177P 345/184 345/184S 345/419 345/690 345/7 345/7S 348/143 348/169 348/207.1 348/207.100S 348/373 348/373P 348/744 348/744P 348/744S 348/77 348/77S 348/837 348/837S 348/E5.024 348/E5.128 348/E5.137 348/E50.24S 348/E51.28S 348/E51.37S 348/E7.085 348/E70.85S 348/E9.025 348/E9.026 348/E90.25S 348/E90.26S 358/1.12 382/103 382/103P 382/104 382/107 382/154 382/176 382/181 382/312 463/1 463/10 463/16 463/30 463/31 463/31P 463/32 463/34 463/36 463/36P 463/36S 463/37 463/4 463/5 463/7 463/8 482/5 482/8 482/8P 482/9 482/900 482/901 600/476 600/558 600/559 600/595 700/17 700/18 700/19 700/20 700/83 702/127 704/275 704/275S 704/E21.001 704/E21.001S 707/802 707/802S 707/E17.044 707/E17.044S 709/206 709/206S 715/702 715/702S 715/709 715/744 715/745 715/764 715/764P 715/788 715/789 715/810 715/811 715/833 715/833S 715/863 715/865

Classification Explorer

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Abstract:
Source: US2004046736A Affordable methods and apparatus are disclosed for inputting position, attitude (orientation) or other object characteristic data to computers for the purpose of Computer Aided Design, Painting, Medicine, Teaching, Gaming, Toys, Simulations, Aids to the disabled, and internet or other experiences. Preferred embodiments of the invention utilize electro−optical sensors, and particularly TV Cameras, providing optically inputted data from specialized datum's on objects and/or natural features of objects. Objects can be both static and in motion, from which individual datum positions and movements can be derived, also with respect to other objects both fixed and moving. Real−time photogrammetry is preferably used to determine relationships of portions of one or more datums with respect to a plurality of cameras or a single camera processed by a conventional PC.

0) US2001024798A – BIOMIMETIC COMBINATORIAL SYNTHESIS

45) Family number: 30968653 (US2001024798A) © PatBase

Title: Biomimetic combinatorial synthesis

Priority: US19980089124P 19980611 US19990329970 19990610 US20010838760 20010419 US20010863141 20010522 US20020243974 20020913

Family:

Publication number	Publication date	Application number	Application date
US2001024798 AA	20010927	US20010838760	20010419
US2004014168 AA	20040122	US20020243974	20020913
US6797819 BA	20040928	US20010863141	20010522
WO9964379 A2	19991216	WO1999US12942	19990611
WO9964379 A3	20000803	WO1999US12942	19990611

Probable Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Assignee(s):(std)**:** HUGHES HOWARD MED INST ; CBR INST FOR BIOMED RES INC ; CBR INST FOR BIOMEDICAL RES IN ; SHAIR MATTHEW D ; SHEEHAN SCOTT M ; WESTWOOD NICHOLAS J ; HARVARD COLLEGE

Assignee(s): HOWARD HUGHES MEDICAL INSTITUTE ; CBR INST ; PRESIDENT AND FELLOWS OF HARVARD COLLEGE ; CBR INST FOR BIOMEDICAL RESEARCH INC ; CBR INSTITUT ; CBR INSTITUTE FOR BIOMEDICAL RESEARCH INC ; PELISH HENRY E ; CHEN CHUO ; GOESS BRIAN C ; CHAN LAWRENCE K ; LINDSLEY CRAIG W ; LAYTON MARK E ; NATIONAL INST ; HOWARD HUGHES MEDICAL INST ; NATIONAL INSTITUTES OF HEALTH

Inventor(s):(std)**:** BLACKWELL HELEN E ; CHAN LAWRENCE K ; CHEN CHUO ; FENG YAN ; GOESS BRIAN C ; KIRCHHAUSEN THOMAS ; LAYTON MARK E ; LINDSLEY CRAIG W ; PELISH HENRY E ; PELISH HENRY EFRAM ; PELISH HENRY EFREM ; PEREZ FERNANDEZ LUCY ; SCHREIBER STUART L ; SHAIR MATTHEW ; SHAIR MATTHEW D ; SHEEHAN SCOTT M ; TALLARICO JOHN A ; WESTWOOD NICHOLAS ; WESTWOOD NICHOLAS J

Designated states: AT AU BE CA CH CY DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE

International class (IPC 8–9)**:** C07B61/00 C07D311/78 C07D498/12 (Advanced/Invention); C07B61/00 C07D311/00 C07D498/00 (Core/Invention)

International class (IPC 1–7)**:** A61K31/00 C07B61/00 C07B61/00 C07D223/14 C07D241/04 C07D311/78 C07D313/00 C07D471/06 C07D493/10 C08G63/48 C08G63/91 C12P21/06 G01N33/50 G01N33/53

CPC: C07B2200/11 C07D311/78 C40B40/00

European class: C07D311/78 C07D498/12 M07B200/11 M40B40/00

US class: 435/68.1 435/68.100P 435/7.1 435/7.100P 525/54.1 525/54.100S 525/54.2 525/54.200S 540/543 540/546 540/581 544/385 544/385S

Classification Explorer

Cited documents: WO9740034 A1, WO9735199 A1, WO9722594 A1, WO9603424 A1, EP0774464 A2,

Forward Citations: WO14133532, WO13160728, US9676677, US9617589, US9090542, US8492568, US8487121, US7935500, US7067315, US2015211048, US2011257047, US2011108411, US2011098316, US2010311778, US2010311770, US2003113822, JP2015518960, EP2270197,

Abstract:
Source: US2001024798A The present invention provides biomimetic compounds and libraries thereof, as well as methods for their production. In general, the inventive method involves the selection of a desired biological synthetic pathway and mimics that synthetic pathway utilizing modern synthetic tools. The structures formed from this method are preferably generated in fewer than four steps. These scaffold structures can then be functionalized to yield biomimetic compounds and libraries of compounds. In preferred embodiments, biomimetic compounds and libraries are generated from an oxidative phenolic coupling reaction. In other particularly preferred embodiments, the compounds and libraries of compounds are generated from cascade reactions to yield bicyclo [n.3.1] ring systems, medium ring systems, and fused ring systems. In addition to compounds, libraries and methods for their production, the present invention also provides pharmaceutical compositions and methods and kits for determining one or more biological activities of the library members.

0) US2005162383A – LAPAROSCOPIC SIMULATION INTERFACE

46) Family number: 32097829 (US2005162383A) © PatBase

Title: LAPAROSCOPIC SIMULATION INTERFACE

Priority:

EP19960940091	19961126	US19930092974	19930716	US19940092974	19940712
US19950489068	19950609	US19950461170	19950605	US19950534791	19950927
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Family:

Publication number	Publication date	Application number	Application date
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US8717287 BB	20140506	US20100762791	20100419
US8747196 BB	20140610	US20050233563	20050922

US9582077 BB	20170228	US20070703322	20070206

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** BRAUN ADAM C ; BRAVE SCOTT B ; CHANG DEAN C ; IMMERSION CORP A DELAWARE CORP ; IMMERSION HUMAN INTERFACE CORP ; IMMERSION CORP ; ROSENBERG LOUIS B ; LEVIN MIKE D ; MALLETT JEFFREY R

Assignee(s): IMMERSION HUMAN INTERFACE CORP SAN JOSE ; IMMERSION DELAWARE CORP CORP ; IMMERSION CORP SAN JOSE ; IMMERSION A DELAWARE CORP CORP ; IMMERSION DELAWARE CORPORATION CORP ; IMMERSION A DELAWARE CORPORATION CORP ; IMMERSION DELAWARE D B A IMMERSION CORP ; IMMERSION (A DELAWARE CORPORATION) CORP ; IMMERSION (DELAWARE CORPORATION) CORP ; IMMERSION A DELAWARE CORP ; BANK OF NEW YORK MELLON TRUST CO NA

Inventor(s):(std)**:** BRAUN ADAM C ; BRAUN C ; BRAVE SCOTT B ; CHANG DEAN C ; JACKSON BERNARD G ; LEVIN D ; LEVIN MIKE D ; MALLETT JEFFREY R ; ROSENBERG B ; ROSENBERG LOUIS B ; SCHENA BRUCE M ; SCHENA M

Inventor(s): BRAUN ADAM ; ROSENBERG LOUIS ; MALLETT JEFFREY ; LEVIN MIKE ; JACKSON BERNARD ; CHANG DEAN ; BRAVE SCOTT

Agent(s): COOLEY GODWARD LLP, ATTN: PATENT GROUP; COOLEY GODWARD LLP ATTN PATENT GROUP; PATENT DEPARTMENT (51851), KILPATRICK STOCKTON LLP; PATENT DEPARTMENT 51851 KILPATRICK STOCKTON LLP; THELEN REID AND PRIEST LLP; DAVID B RITCHIE THELEN REID AND PRIEST LLP; IMMERSION THELEN REID AND PRIEST LLP THELEN REID AND PRIEST LLP; IMMERSION THELEN REID BROWN RAYSMAN AND STEINER LLP; DAVID B; THELEN REID BROWN RAYSMAN AND STEINER LLP; THELEN LLP; RITCHIE DAVID B; KILPATRICK STOCKTON; KILPATRICK STOCKTON LLP; KILPATRICK TOWNSEND AND STOCKTON LLP

Designated states: AL CH DE FR GB IT LI LT LV RO SE SI

International class (IPC 8–9)**:** A63F13/00 A63F13/06 A63F13/20 A63F13/285 B25J9/16 B25J9/18 G01B21/04 G01B5/008 G01B7/004 G05B19/19 G05B19/42 G05D25/02 G05G9/047 G06F1/26 G06F3/00 G06F3/01 G06F3/033 G06F3/038 G06F3/0481 G06T11/20 G09B23/28 G09B9/28 G09G5/00 G09G5/08 H04B3/36 (Advanced/Invention); A61B19/00 A63B24/00 H01H3/00 H04L29/06 (Advanced/Non–invention)

International class (IPC 1–7)**:** G05G9/047 G06F3/00 G06K11/20 G09G5/00

CPC: A63F2300/6063 G06T11/206 G05G5/03 A63F2300/1031 G06F1/266 A63B24/00 A63F11/0051 A63F13/10 A63F2300/64 A63F2300/8011 B25J9/1689 G06F3/03543 A61B90/50 A63F2300/8017 G05G9/04737 G05G2009/0474 G09B9/28 G09B23/28 A63F13/285 A63F13/23 A63F13/24 G06F3/0346 G06F3/03545 A63F2300/1043 B25J9/1692 G01B5/008 G01B7/004 G01B21/04 G05B19/4207 G06F3/011 G06F3/038 A63F13/335 A63F13/573 A63F13/577 A63F13/812 G06F3/016 A63F13/06 A63F2300/1025 A63F2300/1037 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/0383 G06F3/04812 G06F2203/014 G06F2203/015 H01H2003/008 H04L67/38

European class: A63F13/06 A63F13/10 B25J9/16T4 B25J9/16T5 G01B21/04 G01B5/008 G01B7/004 G05B19/42B2 G05D25/02 G05G5/03 G05G9/047 G05G9/047B G06F1/26P G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D2 G06F3/033Z8E G06F3/033Z9 G06F3/0346 G06F3/0354M G06F3/0354N G06F3/038 G06F3/038E G06F3/0481C G06T11/20T G09B23/28 G09B9/28 K61B19/26 K63B24/00 K63F11/00V K63F300/10D K63F300/10D1 K63F300/10F K63F300/10M K63F300/60S K63F300/64 K63F300/80B K63F300/80D S05G9/047 S05G9/047B S05G9/047E S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F T04L29/06C4

US class: 340/407.1 340/407.100P 345/156 345/156P 345/157 345/161 345/161P 345/173 345/173P 345/175 345/179 345/184 345/701 345/702 345/856 463/1 463/1P 463/36 463/37 463/38 715/701 715/702 715/856

Classification Explorer

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Abstract:
Source: US2005162383A A method and apparatus for providing high bandwidth and low noise mechanical input and output for computer systems. A gimbal mechanism provides two revolute degrees of freedom to an object about two axes of rotation. A linear axis member is coupled to the gimbal mechanism at the intersection of the two axes of rotation. The linear axis member is capable of being translated along a third axis to provide a third degree of freedom. The user object is coupled to the linear axis member and is thus translatable along the third axis so that the object can be moved along all three degrees of freedom. Transducers associated with the provided degrees of freedom include sensors and actuators and provide an electromechanical interface between the object and a digital processing system. Capstan drive mechanisms transmit forces between the transducers and the object. The linear axis member can also be rotated about its lengthwise axis to provide a fourth degree of freedom, and, optionally, a floating gimbal mechanism is coupled to the linear axis member to provide fifth and sixth degrees of freedom to an object. Transducer sensors are associated with the fourth, fifth, and sixth degrees of freedom. The interface is well suited for simulations of medical procedures and simulations in which an object such as a stylus or a joystick is moved and manipulated by the user.

0) US2003055231A – 12 HUMAN SECRETED PROTEINS

47) Family number: 29596960 (US2003055231A) © PatBase

Title: 12 HUMAN SECRETED PROTEINS

Priority: US19980105971P 19981028 US20000198407P 20000419 US20000243792P 20001030 US20080264040 20081103 US20050246999 20051011 US20010984130 20011029 US20010836353 20010418 WO1999US25031 19991027

Family:

Publication number	Publication date	Application number	Application date
AU200012314 A1	20000605	AU20000012314	19991027
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US2009311256 AA	20091217	US20080264040	20081103
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US8372948 BB	20130212	US20080264040	20081103
WO0029435 A1	20000525	WO1999US25031	19991027

Probable Assignee: HUMAN GENOME SCIENCES INC

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Inventor(s): CROCKER PAUL ; YING FEI WEI ; YOUNG PAUL ; STEVEN M RUBEN ; OLSEN HENRIK ; PAUL A MOORE ; PAUL E YOUNG ; RUBEN STEVEN ; MOORE PAUL ; GREENE JOHN ; HENRIK S OLSEN ; JIAN NI ; JOHN M GREENE ; JOSEPH J KENNY ; KENNY JOSEPH

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9)**:** A61K31/7088 A61K35/76 A61K38/00 A61K38/16 A61K39/395 A61K48/00 A61P11/06 A61P17/02 A61P17/06 A61P19/02 A61P25/16 A61P25/18 A61P25/22 A61P25/24 A61P25/28 A61P27/02 A61P27/06 A61P29/00 A61P3/00 A61P3/10 A61P31/04 A61P31/18 A61P33/02 A61P33/04 A61P33/06 A61P35/00 A61P35/02 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P7/00 A61P7/06 A61P9/00 A61P9/10 C07H21/04 C07K14/00 C07K14/435 C07K14/47 C07K14/705 C07K16/00 C07K16/18 C07K5/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/63 C12N5/10 C12N9/00 C12N9/64 C12P21/02 C12P21/06 C12Q1/02 C12Q1/68 G01N33/53 G01N33/566 (Advanced/Invention);
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C12N15/63 C12N5/10 C12N9/64 C12P21/02 C12Q1/02 C12Q1/68 G01N33/53 G01N33/566 (Core/Invention)

International class (IPC 1–7): A61K31/7088 A61K35/76 A61K38/00 A61K39/395 A61K48/00 A61P11/06 A61P17/02 A61P17/06 A61P19/02 A61P25/16 A61P25/18 A61P25/22 A61P25/24 A61P25/28 A61P27/02 A61P27/06 A61P29/00 A61P3/10 A61P31/04 A61P31/18 A61P33/02 A61P33/04 A61P33/06 A61P35/00 A61P35/02 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P7/00 A61P7/06 A61P9/10 C07H21/02 C07H21/04 C07K14/435 C07K14/47 C07K14/705 C07K16/18 C07K16/40 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/06 C12N5/10 C12N9/00 C12N9/64 C12P21/02 C12Q1/02 C12Q1/68 G01N33/53 G01N33/566

CPC: C12Q2600/136 C12Q2600/156 C12Q2600/158 C12Q1/6883 A61K38/00 C07K14/47 C07K14/705 C07K14/70503 C07K14/70546 C12N9/6424

European class: C07K14/47 C07K14/705 C07K14/705B C07K14/705D C12N9/64F21 C12Q1/68M6 K61K38/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K215/00 M12N203/00 M12N203/02 M12N205/00 M12N207/00 M12N215/00

US class: 424/130.1 424/139.1 424/139.100P 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/455 435/455S 435/6 435/6.14 435/6.140S 435/6.16 435/6.160P 435/6.160S 435/69.1 435/69.100P 435/69.100S 435/691 435/6P 435/6S 435/7.1 435/7.100S 514/1.1 514/1.100S 514/12 514/21.3 514/44.00RS 514/44R 530/324 530/350 530/350S 530/387.1 530/387.9 530/387.900S 530/388.1 530/388.100S 536/23.1 536/23.100P 536/23.100S 536/23.2 536/23.200S 536/232

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Forward Citations: WO16088059, WO13027191, WO11092234, WO09095372, WO08118212, WO08118212, WO08054502, WO03099863, WO03099863, WO0181414, WO0181414, US9556268, US9365649, US8895005, US8563255, US8524679, US8420084, US8389237, US8372948, US8043615, US8012696, US7741115, US7659385, US7485429, US7452677, US7402655, US7282566, US7273926, US7267960, US7129338, US2011195076, US2010323001, US2010111932, US2010008928, US2009311256, US2009238834, US2009222931, US2009185979, US2009185978, US2009142346, US2008260742, US2006127398, US2006110779, US2003108995, EP3124612, EP2400005, EP2400004, EP2400003, EP2400002, EP2400001, EP1733743, EP1339871, EP1141376,

Abstract:
Source: US2003055231A The present invention relates to 12 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

0) US2001004148A – PORTABLE CART

48) Family number: 28116123 (US2001004148A) © PatBase

Title: Portable cart

Priority:

AU20010072110	20010914	CA20012352979	20010713	CA20012357300	20010913
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Family:

Publication number	Publication date	Application number	Application date
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WO0040447 A2	20000713	WO2000US00570	20000107	
WO0040447 A3	20020829	WO2000US00570	20000107	

Probable Assignee: VALIANT ROCK LLC

Assignee(s):(std)**:** CHARLES DARLING III ; CHARLES W DARLING II ; CHARLES W DARLING III ; DARLING CHARLES W ; DARLING CHARLES W II ; DARLING CHARLES W III ; DARLING II CHARLES W ; DARLING III CHARLES ; DARLING III CHARLES W ; NORTH COAST OUTFITTERS LTD ; DARLING III CHARLES WESLEY ; VALIANT ROCK LLC

Inventor(s):(std)**:** DARLING CHARLES W ; DARLING CHARLES W II ; DARLING CHARLES W III ; III CHARLES W DARLING ; DARLING III CHARLES WESLEY ; DARLING III CHARLES W ; CHARLES W DARLING III ; CHARLES W DARLING II

Inventor(s): DARLING CHARLES ; DARLING CHARLES WIII

Agent(s): PATENT ATTORNEY SERVICES; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; MCFADDEN FINCHAM INC; SKONE JAMES ROBERT EDMUND; ALFRED M WALKER; ALFRED M; WALKER ALFRED M

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A61G1/00 A61G1/013 A61G1/02 A61G13/00 B60P3/10 B62B1/00 B62B1/12 B62B1/14 B62B13/18 B62B3/02 B62B5/00 B62D63/06 F16L3/08 F16L3/12 (Advanced/Invention); A61G1/00 A61G13/00 B62B1/00 B62B13/00 B62B3/02 B62B5/00 B62D63/00 F16L3/08 F16L3/12 (Core/Invention); A61G B62B (Subclass/Invention)

International class (IPC 1–7): A45C13/38 A45F3/15 A61G1/00 A61G1/013 A61G1/02 A61G13/00 B60P3/10 B62B1/00 B62B1/12 B62B1/14 B62B1/20 B62B3/02 B62B3/04 B62B5/00 B62D63/06 B62K13/00

CPC: B62B5/0083 A61G1/0212 A61G1/0225 A61G1/0231 A61G1/0287 B62D63/061 B63C13/00 A61G1/0293 A61G1/013 A61G13/105 A61G2210/30 A61G2220/10 B62B1/002 B62B1/008 B62B1/12 B62B3/02 B62B5/0023 B62B5/0079 B62B13/18 B62B2202/403 B62B2202/42 B62B2205/006 B62B2205/04 B62B2205/10 B62B2206/02 B62B2501/065 B62D63/064 A61G1/06 A61G7/0005 A61G2203/78 Y10T24/44504 Y10T24/44598 Y10T24/44966 Y10T24/44974 A61G1/02

European class: A61G1/013 A61G1/02 A61G1/02P A61G1/06 A61G1/06B A61G7/00B B62B1/00C B62B1/12 B62B13/18 B62B3/02 B62B5/00H B62B5/00S B62D63/06B B62D63/06C2 B63C13/00 K61G1/02P K61G1/06 K61G1/06B K61G13/10P K61G210/30 K61G220/10 L62B1/00P L62B202/403 L62B202/42 L62B205/00D L62B205/04 L62B205/10 L62B206/02 L62B5/00P8 L62B501/06P

US class: 224/627 24/514 24/525 24/568 24/568P 24/569 248/228.5 248/230.5 248/231.61 248/316.6 248/49 248/68.1 248/74.4 280/204 280/292 280/3 280/30 280/30P 280/30S 280/35 280/35P 280/414.2 280/414.200S 280/47.18 280/47.21 280/47.24 280/47.240S 280/47.25 280/47.26 280/47.33 280/47.331 280/47.331S 280/47.34 280/64 280/640 280/640P 280/646 280/651 280/651P 280/651S 280/652 280/652P 280/657 280/657P 280/7.12 280/7.120S 280/79.2 280/79.200P 296/20 5/626 5/627 D8/396 D8/72

Locarno class: 08/08

Classification Explorer

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Forward Citations: WO16018520, WO15157225, WO14189956, WO13010168, WO13010168, WO12031159, WO12031159, WO11103362, WO10128498, WO10103328, WO09061850, WO07135252, WO06078160, WO04017887, WO04017887, USD794133, USD763535, USD756211, USD756210, USD756209, USD747064, USD737568, USD731299, USD720912, USD715199, USD711731, USD678642, USD676623, USD675080, USD673024, USD672631, USD671704, USD661173, USD661042, USD655881, USD649009, USD649008, USD649007, USD647782, USD647781, USD647779, USD642750, USD638698, USD624725, USD616282, USD490955, USD476129, USD459564, USD448161, US9701482, US9701330, US9694093, US9692829, US9688212, US9677675, US9659434, US9631651, US9629770, US9629589, US9623924, US9623887, US9616143, US9598095, US9549864, US9545266, US9528085, US9526236, US9523072, US9487225, US9486380, US9475512, US9409665, US9409584, US9402773, US9381932, US9371080, US9358998, US9333977, US9332824, US9327749, US9321503, US9282797, US9259687, US9259371, US9242694, US9242369, US9205955, US9192529, US9192528, US9185902, US9181941, US9174772, US9174171, US9174145, US9150230, US9125783, US9102350, US9090275, US9051929, US9039016, US9004507, US8968911, US8967656, US8931202, US8921096, US8919717, US8916045, US8915505, US8910956, US8906229, US8900454, US8887330, US8881736, US8876129, US8857848, US8827304, US8820773, US8789730, US8783698, US8770615, US8757639, US8739335, US8733766, US8727298, US8721179, US8714570, US8690167, US8684374, US8662506, US8636289, US8627514, US8613455, US8590076, US8556276, US8544874, US8523858, US8505959, US8500075, US8465031, US8459627, US8438811, US8424899, US8419046, US8376391, US8376381, US8376298, US8366125, US8348301, US8342785, US8342544, US8328260, US8308213, US8276923, US8276225, US8210489, US8209802, US8191487, US8146975, US8141887, US8118201, US8100061, US8047554, US8025299, US7967325, US7959182, US7931321, US7891697, US7891676, US7823906, US7819618, US7793744, US7775530, US7766365, US7717453, US7638775, US7481411, US7407177, US7392994, US7322584, US7296816, US7252295, US7243928, US7222378, US7172207, US7168729, US7159878, US7114731, US7111851, US7044496, US7032921, US7025362, US7017939, US6942228, US6926292, US6912747, US6688635, US6575482, US6561529, US6550791, US6543800, US6481735, US6357063, US6325395, US2017113709, US2017086596, US2016288726, US2016264164, US2016121915, US2015300386, US2015266664, US2015250956, US2015204139, US2015197260, US2015130205, US2015113854, US2015014950, US2014346725, US2014332485, US2014313029, US2014232129, US2014131963, US2014097599, US2014007350, US2013341878, US2013284877, US2013270795, US2013251487, US2013249176, US2013160207, US2013146071, US2013143102, US2013140841, US2013127138, US2013127136, US2013076005, US2013036552, US2013025093, US2013015639, US2013015629, US2013001907, US2012292890, US2012241571, US2012235370, US2012228458, US2012223203, US2012181764, US2012181761, US2012153098, US2012031510, US2012000718, US2011309601, US2011233358, US2011227403, US2011204592, US2011198877, US2011112400, US2011070948, US2011049841, US2010263178, US2010257673, US2010253023, US2010249545, US2010244645, US2010237111, US2010232927, US2010225077, US2010213679, US2010213328, US2010213151, US2010187848, US2010187167, US2010138990, US2010133784, US2010126429, US2010078907, US2010072717, US2010063838, US2010059950, US2010052274, US2010038870, US2010013182, US2010011504, US2009212535, US2009212515, US2009211026, US2009146387, US2009124868, US2009051143, US2008272629, US2008174078, US2008111048, US2008048417, US2008033944, US2008030003, US2008005839, US2007286714, US2007273135, US2007194560, US2007187915, US2007176396, US2007084894, US2007050908, US2007029761, US2007029760, US2006287652, US2006273554, US2006228201, US2006207831, US2006186635, US2006186622, US2006145440, US2006138738, US2006055161, US2006017243, US2006006618, US2005236786, US2005225046, US2005212232, US2005188464, US2005167935, US2005161915, US2005109804, US2005077705, US2005012308, US2004200002, US2004155435, US2004130112, US2004108688, US2003209886, US2003080538, GB2396849, GB2396849, FR2958844, FR2901122, EP1188637, CN105596155, CN102348591, AU784865, AU2006228056,

Abstract:
Source: US2001004148A A portable cart, for use in camping, hunting and other outdoors activities carries canoes, small boats, game, injured parties or hauled cargo by hand. The portable cart can be converted to a canoe or boat cart which can be folded down and transported within the canoe or boat, or to a game cart for transporting game over long, rough terrain, or to a cargo hauling gear cart, all of which can broken down into a carrying position, by hand or by back. The portable cart can be carried by hand or as a backpack over rough terrain. Its width can be varied to accommodate watercraft of varying widths. The cart has optional removable clamps for clamping a conventional transportable carrier, such as a stretcher or stokes−type rescue carrier bed, thereto. Another optional bicycle pull clamp includes an ant−tipping attachment resisting centrifugal force urging said cart to tip over during a directional turn of the cart−hauling bicycle. It is collapsible, so that it can be disassembled and carried in a canoe or small boat, and then reassembled at another destination along the canoe or boat's journey.

49) Family number: 31808653 (GB2346455A) © PatBase

Title: Designing force sensations with associated sounds for computer applications

Priority: CA20002297514 20000201 US19990243209 19990202

Family:

Publication number	Publication date	Application number	Application date
CA2297514 AA	20000802	CA20002297514	20000201
DE10004372 A1	20000914	DE20001004372	20000202
DE10004372 B4	20110428	DE20001004372	20000202
FR2790319 A1	20000901	FR20000001312	20000202
FR2790319 B1	20040730	FR20000001312	20000202
GB2346455 A1	20000809	GB20000002225	20000201
GB2346455 B2	20030507	GB20000002225	20000201
IT1315182 B1	20030203	IT2000VI00024	20000201
ITVI20000024 A1	20010801	IT2000VI00024	20000201

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): IMMERSION CORP SAN JOSE ; MALLETT JEFFREY R ; ROSENBERG LOUIS B ; CHANG DEAN C

Inventor(s):(std)**:** CHANG DEAN C ; MALLET JEFFREY R ; MALLETT JEFFREY R ; ROSENBERG LOUIS B

Inventor(s): DEAN C CHANG ; JEFFREY R MALLET ; LOUIS B ROSENBERG

Agent(s): SMART AND BIGGAR

International class (IPC 8–9): G06F3/00 G06F3/01 G06F3/03 G06F3/033 (Advanced/Invention)

International class (IPC 1–7): A63F13/06 G06F3/00 G06F3/03 G06F3/033 G06K11/18

CPC: A63F2300/1037 A63F2300/6063 G06F3/011 G06F3/016 G06F3/03543 G06F2203/014 G06F2203/015

European class: G06F3/00B8T G06F3/01B G06F3/01F G06F3/0354M K63F300/10F K63F300/60S S06F203/014 S06F203/015

Classification Explorer

Cited documents: WO9858308 A1, WO9849614 A1, EP0677933 A2, EP0655264 A1, DE19649082 C1,

Forward Citations: US9159207, US7607983, US7133024, US7046229, US6614420, GB2482190, GB2347484, EP1695747,

Abstract:
Source: GB2346455A A design interface tool for designing force sensations for use with a host computer and force feedback interface device. A force feedback device is connected to a host computer that displays the interface tool. The user selects a type of force sensation and designs and defines physical characteristics of the selected force sensation using the interface tool. A graphical representation of the characterized force sensation is displayed, which provides a visual demonstration of a feel of the characterized force sensation. The force sensation is output to a user manipulatable object of a force feedback device to be felt by the user, where the graphical representation is updated in conjunction with the output of the force sensation. The user also associates a sound with the force sensation, such that the sound is output in conjunction with the output of the force sensation. The user can iteratively modify force sensation characteristics and feel the results, as well as synchronize the force sensations with the associated sounds.

0) US2006027335A – UPPER FRAME FOR A VERTICAL VENETIAN BLIND

50) Family number: 32610872 (US2006027335A) © PatBase

Title: UPPER FRAME FOR A VERTICAL VENETIAN BLIND

Priority:

AU20000037303	20000308	US19990123352P	19990308	US20010318270P	20010907
US20040910281	20040804	US20020936094	20020314	US20020238755	20020909
US20060549832	20061016	US20040910281	20040802	US20010936094	20010907
WO2000US06001	20000308	US20110045986	20110311	WO2020US06001	20000308

Family:

Publication number	Publication date	Application number	Application date
AU200037303 A5	20000928	AU20000037303D	20000308
AU2005203401 AA	20060216	AU20050203401	20050802
AU782309 B2	20050721	AU20000037303	20000308
CA2365354 AA	20010907	CA20002365354	20000308
EP1173192 A2	20020123	EP20000916155	20000308
EP1173192 A4	20020502	EP20000916155	20000308
JP2003530299 T2	20031014	JP20000603725T	20000308
US2006027335 AA	20060209	US20040910281	20040804
US2007203332 AA	20070830	US20060549832	20061016
US2012172283 AA	20120705	US20110045986	20110311
US7122172 BA	20061017	US20020238755	20020909
US7906103 BB	20110315	US20060549832	20061016
US8603436 BB	20131210	US20110045986	20110311
WO0053236 A2	20000914	WO2000US06001	20000308
WO0053236 A3	20010104	WO2000US06001	20000308

Probable Assignee: NIEN MADE ENTPR CO LTD

Assignee(s):(std)**:** GERHART GRAUPNER ; GRAUPNER GERHARD ; GRAUPNER GERHART ; NIEN MADE ENTPR CO LTD

Assignee(s): NIEN MADE ENTERPRISE CO ; NIEN MADE ENTERPRISE CO LTD

Inventor(s):(std)**:** GRAUPNER GERHART ; NIEN MING ; HSU YA WEI ; GRAUPNER GERHARD

Inventor(s): GERHART GRAUPNER

Agent(s): FB RICE; FB RICE PTY LTD; NA; TROXELL LAW OFFICE PLLC, SUITE 1404; TROXELL LAW OFFICE PLLC SUITE 1404; FITCH EVEN TABIN AND FLANNERY; FITCH EVEN TABIN AND FLANNERY LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A61F9/00 A61F9/007 A61K31/7088 A61K38/00 A61K38/03 A61K38/12 A61K38/22 A61K39/395 A61K45/00 A61K47/48 A61K47/50 A61K48/00 A61K49/04 A61K51/00 A61M36/14 A61P1/16 A61P25/28 A61P27/02 A61P35/00 A61P43/00 C07H21/00 C07K14/00 C07K14/70 C07K14/705 C07K19/00 C07K7/00 C07K7/04 C07K7/64 C12N15/00 C12N15/63 C12N5/02 E04F10/00 G01N33/53 (Advanced/Invention);
A61F9/007 A61K38/00 A61K38/22 A61K45/00 A61K51/00 A61P35/00 A61P43/00 (Advanced/Non–invention);
A61F9/00 A61F9/007 A61K38/00 A61K38/22 A61K45/00 A61K47/48 A61K49/04 A61K51/00 A61P25/00 A61P27/00 A61P35/00 A61P43/00 C07H21/00 C07K14/00 C07K14/43 C07K14/435 C07K19/00 C07K7/00 C12N15/00 E04F10/00 G01N33/53 (Core/Invention)

International class (IPC 1–7): A61F9/007 A61K38/00 A61K38/03 A61K38/22 A61K39/395 A61K45/00 A61K47/48 A61K51/00 A61M A61P27/02 A61P35/00 A61P43/00

CPC: E06B9/322 E06B9/323 E06B9/36 E06B9/38 A61K51/083 A61K47/6425 A61K47/66 A61K41/0095 A61K51/088 B82Y5/00 C07K2319/01 C07K2319/07 C07K2319/20

European class: A61K41/00Z4 A61K47/48R2H A61K47/48R6 A61K51/08Z B82Y5/00 E06B9/322 E06B9/323 E06B9/36 E06B9/38 M07K319/01 M07K319/07 M07K319/20

US class: 160/178.10V 160/178.1V 160/39 424/1.11 424/1.65 424/1.69 424/1.73 424/11.1 424/16.5 424/9.1 424/9.2 424/9.3 424/9.4 424/9.42 424/94.2 435/320.1 435/320.100S 435/375 435/375S 435/7.1 435/7.100S 514/1.1 514/1.2 514/1.200P 514/19.3 514/21.1 514/21.100S 514/44.00RS 514/44R 514/9 530/311 530/317 530/328 536/22.1 536/22.100P

Classification Explorer

Cited documents: WO9907324 A2, US7906103 BB, US7122172 BA, US6941998 BB, US6432915 BA, US6333318 BA, US6316652 BA, US6248305 BA, US6245531 BA, US6242381 BA, US6225284 BA, US6171859 BA, US6171859 B1, US6080728 A, US6074625 A, US6020192 A, US5976496 A, US5846741 A, US5686261 A, US5670320 A, US5650134 A, US5010940 A, US4742860 A, US4653564 A, US2837152 A,

Forward Citations: USD583603, US9468693, US9468692, US9102921, US8784774, US8603436, US8420352, US8210369, US8138155, US7985573, US7943775, US7906103, US7718605, US7678378, US7534418, US2012172283, US2010224332, US2009298782, US2008085238, US2007203332, US2006160748, US2006127309, FR2921404, EP3019199, EP2123667, EP2123667,

Abstract:
Source: US2006027335A An upper frame for a vertical Venetian blind includes a horizontal rod and a slide rail. The horizontal rod is formed axially with at least two rod portions, and the slide rail is axially formed with at least two slide rail portions. The rod portions can be connected together to make up the horizontal rod and the slide rail portions can be connected together to make up the slide rail. The rod portions and the slide rail portions are separable or collapsible before they are assembled, able to be packed with less space to save cost in packing, storing and transporting.

0) US2002140190A – COMPACT WAGON OR CART INCLUDING STOWABLE WHEELS...

51) Family number: 30051635 (US2002140190A) © PatBase

Title: Compact wagon or cart including stowable wheels and handle

Priority:

US19990271274 19990317 US20000604768 20000628 US20000604769 20000628
US20000604789 20000628 US20020323892 20021220 US20030361492 20030211
US20040891030 20040715 US20030622172 20030718 US20020157980 20020531
US20030346112 20030117 US20020143831 20020514 US20030143831 20030514
WO2000US06519 20000314 WO2001US20366 20010627 US20050699129 20050316
US20040891089 20040715 WO2003US12942 20030425 WO2003US17077 20030530
WO2003US17077 20030530 US20040916542 20040812

Family:

Publication number	Publication date	Application number	Application date
AU200036263 A5	20001004	AU20000036263	20000314
AU2001270187 AA	20020108	AU20010270187	20010627
AU2001270187 AB	20041014	AU20010270187	20010627
AU2003228706 AA	20031202	AU20030228706	20030425
AU2003228706 AH	20031202	AU20030228706	20030425
AU2003237294 AA	20031219	AU20030237294	20030530
AU2003237294 AH	20031219	AU20030237294	20030530
AU767653 B2	20031120	AU20000036263	20000314
CA2367865 AA	20010917	CA20002367865	20000314
CA2413876 AA	20021223	CA20012413876	20010627
CN1655976 A	20050817	CN20038012506	20030530
CN1655976 B	20100505	CN20038012506	20030530
CN1662410 A	20050831	CN20038014847	20030425
CN1662410 B	20100505	CN20038014847	20030425
EP1169208 A1	20020109	EP20000914943	20000314
EP1339595 A2	20030903	EP20010948745	20010627
US2002140190 AA	20021003	US20020157980	20020531
US2002163163 AA	20021107	US20020143831	20020514
US2003085552 AA	20030508	US20020323892	20021220
US2003102654 AA	20030605	US20030346112	20030117
US2003127835 AA	20030710	US20030361492	20030211
US2004026899 AA	20040212	US20030622172	20030718
US2004251648 AA	20041216	US20040891089	20040715
US2004256838 AA	20041223	US20040891030	20040715
US2005012307 AA	20050120	US20040916542	20040812
US2005173894 AA	20050811	US20050699129	20050316
US6220611 BA	20010424	US19990271274	19990317
US6581945 BA	20030624	US20000604769	20000628
US6863297 BB	20050308	US20030346112	20030117
US6893030 BB	20050517	US20020157980	20020531
US6916028 BB	20050712	US20020323892	20021220
US6991249 BB	20060131	US20030361492	20030211
US7000939 BB	20060221	US20040891089	20040715
US7066485 BB	20060627	US20040916542	20040812
US7226072 BB	20070605	US20040891030	20040715
US7264265 BB	20070904	US20050699129	20050316
WO0055025 A1	20000921	WO2000US06519	20000314
WO0200486 A2	20020103	WO2001US20366	20010627

WO0200486 A3	20030626	WO2001US20366	20010627
WO03097466 A2	20031127	WO2003US12942	20030425
WO03097466 A3	20040506	WO2003US12942	20030425
WO03101802 A2	20031211	WO2003US17077	20030530
WO03101802 A3	20040429	WO2003US17077	20030530
WO04071841 A2	20040826	WO2004US03958	20040211
WO04071841 A3	20051117	WO2004US03958	20040211
ZA200300317 A	20040504	ZA20030000317	20030113

Probable Assignee: RICHARD SHAPIRO

Assignee(s):(std)**:** RICHARD N SHAPIRO ; RICHARD SHAPIRO ; SHAPIRO RICHARD N

Assignee(s): PANCAKE WHEEL LLC

Inventor(s):(std)**:** RICHARD N SHAPIRO ; SHAPIRO RICHARD N

Inventor(s): SHAPIRO RICHARD

Agent(s): GRIFFITH HACK; BATTISON WILLIAMS DUPUIS; MARKS AND CLERK; RICHARD N SHAPIRO HAJEK SHAPIRO COOPER AND LEWIS PC; RICHARD N SHAPIRO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B60F1/00 B62B1/00 B62B1/04 B62B1/18 B62B1/20 B62B3/00 B62B3/02 B62B3/12 B62B3/16 B62B5/04 B62B5/06 B62B7/00 B62B7/06 B62B7/08 B62B7/10 (Advanced/Invention); B62B5/06 B62B7/00 B62B7/04 (Advanced/Non–invention);
B60F1/00 B62B1/00 B62B3/00 B62B3/02 B62B3/14 B62B5/00 B62B7/00 (Core/Invention); B62B5/00 (Core/Non–invention);
B62B B65D (Subclass/Invention)

International class (IPC 1–7): B60F1/00 B62B B62B1/00 B62B1/04 B62B1/18 B62B1/20 B62B11/00 B62B3/00 B62B3/02 B62B7/00 B62B7/06 B62B7/08 B62B7/10 B65D

CPC: B62B1/206 B62B3/007 B62B3/02 B62B3/16 B62B5/06 B62B7/10 B62B2205/10 B62B2205/04 B62B2205/12 B62B3/12 B62B7/004 B62B7/044 B62B2205/121 B62B5/04 B62B5/0461 B62B5/0476 B62B7/06 B62B2205/22 B62B1/208 B62B5/067 B62B5/049 B62B1/006 B62B2205/20 B62B2205/24

European class: B62B1/20D B62B1/20F B62B3/00D B62B3/02 B62B3/12 B62B3/16 B62B5/04 B62B5/04Z B62B7/06 B62B7/10 L62B205/04 L62B205/10 L62B205/12 L62B205/121 L62B205/22 L62B5/04L3 L62B5/04W L62B5/06 L62B5/06S L62B7/00H L62B7/04D

US class: 280/30 280/33.998 280/33.998S 280/39 280/39P 280/47.18 280/47.25 280/47.33 280/47.34 280/47.340S 280/47.38 280/62 280/62P 280/642 280/642S 280/643 280/643P 280/644 280/644S 280/646 280/646P 280/648 280/650 280/650P 280/651 280/651P 280/651S 280/653 280/653P 280/655 280/655S 280/656 280/656P 280/658 280/827 280/827S 280/87.05

Classification Explorer

Cited documents: USD448536 S1, USD287779 S1, US989561 A, US987895 A, US955783 A, US908472 A, US877350 A, US855000 A, US836505 A, US832628 A, US7118115 BB, US6991251 BB, US6935643 BA, US6923469 BB, US6908088 BB, US6886838 BA, US6863297 BB, US6863297 BA, US6863297 B1, US6845991 BA, US6733026 BA, US6705628 BB, US663526 A, US6585285 BB, US6581945 BA, US6561536 BB, US6561536 BA, US6561536 B1, US6533311 BB, US6533311 BA, US6533311 B1, US6446981 BA, US6431580 BA, US6416077 BA, US6402186 BA, US6378883 BA, US6338493 BA, US6328331 BA, US6325406 BA, US6271755 BA, US6250652 BA, US6220611 BA, US6170837 BA, US6170837 B1, US6164683 A, US6056306 A, US6053515 A, US6010145 A, US5997016 A, US598964 A, US5979921 A, US5947493 A, US5941542 A, US5921574 A, US5897462 A, US5887889 A, US5887879 A, US5884922 A, US5876049 A, US5857695 A, US5839748 A, US5839738 A, US5772222 A, US5741020 A, US5692761 A, US5660296 A, US5653458 A, US5647601 A, US5636852 A, US5599033 A, US5538267 A, US5484046 A, US5465985 A, US5464237 A, US5460391 A, US5433462 A, US5421597 A, US5373708 A, US5372376 A, US5344171 A, US5330212 A, US5310199 A, US5306029 A, US5299826 A, US5267744 A, US5261690 A, US5242177 A, US5228706 A, US5203815 A, US5141241 A, US5133567 A, US5125674

A, US5028060 A, US5020814 A, US4969656 A, US4921305 A, US4889360 A, US4887836 A, US4856810 A, US4852894 A, US4834403 A, US4824137 A, US4796909 A, US4779889 A, US4765643 A, US4744575 A, US474138 A, US4740008 A, US4705280 A, US4659096 A, US4647056 A, US4632409 A, US4624467 A, US4623163 A, US4533151 A, US4487428 A, US4471996 A, US4369987 A, US4355818 A, US4340124 A, US4266791 A, US4230340 A, US4174849 A, US4174120 A, US4165094 A, US4109926 A, US4089543 A, US3944241 A, US3883149 A, US3722904 A, US3719370 A, US3689099 A, US3679223 A, US3652103 A, US3565453 A, US3550998 A, US3488062 A, US3451690 A, US3400942 A, US3367675 A, US3318612 A, US3272527 A, US3248128 A, US3241853 A, US3204367 A, US3143359 A, US3116935 A, US3079162 A, US2998979 A, US2986400 A, US2984499 A, US2938734 A, US2901260 A, US2879072 A, US2860890 A, US2802672 A, US2781225 A, US2767996 A, US2727751 A, US2688493 A, US2660446 A, US2634791 A, US263026 A, US2625407 A, US2593962 A, US2587688 A, US2564266 A, US2555767 A, US2545336 A, US2525506 A, US2484677 A, US2472491 A, US2469506 A, US2468390 A, US2456013 A, US2450373 A, US2437380 A, US2435733 A, US2429763 A, US2362186 A, US2350062 A, US2276792 A, US2225999 A, US2222678 A, US2092388 A, US2080922 A, US2003102654 AA, US2002163163 AA, US1823816 A, US1662292 A, US1650163 A, US1622108 A, US1582045 A, US1569498 A, US1492244 A, US1482146 A, US1479223 A, US1465211 A, US1449255 A, US1409838 A, US1403261 A, US1373034 A, US1352577 A, US125126 A, US1242418 A, US1131559 A, US1125441 A, US1090950 A, US1076087 A, US1075372 A, US1025292 A, US1024176 A, US1017983 A,

Forward Citations: WO12071590, WO12071590, WO12060676, WO12020241, WO11017818, WO11011904, WO09092970, WO09092970, WO06060303, WO03097466, WO03097466, USRE46150, USD794133, USD787378, USD777607, USD723762, USD704600, USD671174, USD526251, US9682718, US9669859, US9610999, US9598095, US9555822, US9505424, US9469370, US9469324, US9469322, US9393983, US9371109, US9365225, US9358445, US9333977, US9327749, US9315206, US9242663, US9238475, US9227649, US9221484, US9193368, US9187109, US9162727, US9150273, US9150230, US9145154, US9120600, US9108656, US9085322, US9061695, US9050989, US8998233, US8979098, US8857847, US8844960, US8814183, US8794659, US8783698, US8678424, US8662506, US8608189, US8573625, US8567810, US8556276, US8534682, US8523196, US8479394, US8474839, US8434769, US8408581, US8376391, US8342562, US8333404, US8196516, US8186368, US8141887, US8123241, US8091916, US8087683, US8029007, US7984916, US7963531, US7891676, US7845666, US7823906, US7819409, US7819408, US7798501, US7784816, US7780175, US7770912, US7731221, US7717453, US7712843, US7703795, US7614707, US7568721, US7527274, US7481443, US7462009, US7461477, US7455312, US7455308, US7413199, US7387310, US7354049, US7201385, US7147243, US7137644, US7137644, US7104565, US7090242, US7077420, US7000939, US6966574, US6942228, US6896272, US6893030, US6871863, US6863297, US6802516, US6702370, US6698789, US6581945, US6536796, US2017072977, US2016185374, US2016176427, US2015274186, US2015210307, US2015166092, US2015137465, US2015076775, US2014332299, US2014300069, US2014183832, US2014138932, US2014125021, US2014097599, US2013015639, US2013015629, US2013001926, US2012319371, US2012248720, US2012247897, US2012235370, US2012187655, US2012119459, US2012068426, US2011198825, US2011175332, US2011169235, US2010313924, US2010164192, US2010140889, US2010133769, US2010102526, US2010078907, US2010072730, US2010066057, US2010059970, US2010044983, US2010000805, US2009309331, US2009309330, US2009302563, US2009295219, US2009235964, US2009212515, US2009156094, US2009066114, US2009051143, US2009039217, US2009008907, US2008284119, US2008279665, US2008261488, US2008258435, US2008256788, US2008164668, US2008073880, US2007284853, US2007262562, US2007257456, US2007227818, US2007221592, US2007216116, US2007205576, US2007200309, US2007176396, US2007051031, US2007007745, US2006255564, US2006207831, US2006192366, US2006175803, US2006163828, US2006082097, US2005104333, US2005051999, US2005035646, US2005006877, US2004251648, US2004188966, US2004066013, US2003222479, US2003102654, US2002185833, US2002171228, US2002163163, TWI355343, TWI305520, RU2481216, KR20110114571, KR101687732, KR101555699, GB2519666, GB2518977, GB2496629, FR2926521, ES2249114, EP1972522, EP1864884, EP1864884, EP1553001, DE10257932, DE10257932, DE102013013339, CN105816281, CN105460066, CN105015596, CN104470785, CN104287910, CN104071195, CN103448778, AU2009207533,

Abstract:
Source: US2002140190A Compact carrier devices with stub walls, including wagons, carts and wheelbarrows, are disclosed, which include fixed, stowable and/or pivoting wheels, as well as stowable handles. In various embodiments, simple manually manipulable methods latch each wheel and handle in stowed flat positions within the overall perimeter and profile of the devices, which effectively allows the devices to fold to an ultra flat profile without any wheel or component being detached. Associated innovations include unique nesting methods, both

unique center push/pull handles and U shaped handle designs, unique handle access panels, device couplers, simple methods to fixate or allow device wheels/axles to rotate, as well as snap on accessories which are designed to hold drink containers, fishing rods and implements.

0) US6147674A – METHOD AND APPARATUS FOR DESIGNING FORCE SENSAT...

52) Family number: 31808582 (US6147674A) © PatBase

Title: METHOD AND APPARATUS FOR DESIGNING FORCE SENSATIONS IN FORCE FEEDBACK COMPUTER APPLICATIONS

Priority: US19950566282 19951201 US19960664086 19960614 US19970846011 19970425

Family:

Publication number	Publication date	Application number	Application date
US6147674 A	20001114	US19970846011	19970425

Probable Assignee: IMMERSION DELAWARE CORPORATION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): IMMERSION DELAWARE CORP CORP ; IMMERSION DELAWARE CORPORATION CORP ; IMMERSION HUMAN INTERFACE CORP ; IMMERSION (DELAWARE CORPORATION) CORP

Inventor(s):(std)**:** CHANG DEAN C ; ROSENBERG LOUIS B

International class (IPC 8–9)**:** B25J9/16 G05G9/047 G06F3/00 G06F3/01 G06F3/033 G06F3/038 (Advanced/Invention); A63B24/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** G06F3/033

CPC: G06F3/016 A63B24/00 A63F2300/1025 A63F2300/1037 B25J9/1689 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/03543 G06F3/038 G06F3/0383 G06F2203/014 G06F2203/015 H01H2003/008

European class: B25J9/16T4 G05G9/047 G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D1 G06F3/033Z9 G06F3/0354M G06F3/038 G06F3/038E K63B24/00 K63F300/10D K63F300/10F S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F

US class: 345/157 345/326 715/781

Classification Explorer

Cited documents: WO9731333 A1, WO9532459 A1, WO9520788 A1, WO9502801 A1, US5889670 A, US5844392 A, US5831408 A, US5825308 A, US5808601 A, US5805140 A, US5802353 A, US5790108 A, US5781172 A, US5769640 A, US5767839 A, US5760764 A, US5755577 A, US5754023 A, US5742278 A, US5739811 A, US5734373 A, US5721566 A, US5714978 A, US5709219 A, US5691898 A, US5666473 A, US5666138 A, US5643087 A, US5642469 A, US5629594 A, US5625576 A, US5596347 A, US5589854 A, US5576727 A, US5551701 A, US5550562 A, US5526480 A, US5513100 A, US5482051 A, US5451924 A, US5414337 A, US5405152 A, US5389865 A, US5354162 A, US5341459 A, US5235868 A, US5223776 A, US5220260 A, US5193963 A, US5186629 A, US5185561 A, US5146566 A, US5116180 A, US5103404 A, US5076517 A, US5044956 A, US4935728 A, US4907973 A, US4896554 A, US4868549 A, US4800721 A, US4477043 A, US3919691 A, EP0875819 A1, EP0626634 A2,

Forward Citations: WO14196866, WO10024567, WO10024567, WO07062237, WO03085481, WO0191100, USRE44277, US9727139, US9724165, US9696803, US9636185, US9615002, US9582178, US9507421, US9504914, US9492237, US9480918, US9421456, US9411420, US9360937, US9323332, US9289680, US9280205, US9195317, US9134795, US9081426, US9056244, US9002426, US8956304, US8942828, US8928581, US8911499, US8909817, US8905844, US8887547, US8830161, US8811720, US8803795, US8751179, US8740705, US8739033, US8723810, US8717287, US8707768, US8704776, US8700791, US8686941, US8674932, US8663122, US8654073, US8638308, US8612247, US8574080, US8572293, US8571628, US8527873, US8502792, US8441437, US8395582, US8391954, US8387437, US8316166, US8287522, US8264525, US8260972, US8189038, US8188981, US8182099, US8172399, US8167431, US8162482, US8157381, US8152640, US8152310, US8152304, US8152303, US8100770, US8095200, US8079251, US8063893, US8063892, US8059105, US8059104, US8059088, US8049734, US8031181, US8020095, US8010180, US8007282, US7992101, US7982720, US7982711, US7978186, US7978183, US7944435, US7862476, US7843424, US7833135, US7825903, US7812820, US7791588, US7765333, US7747311, US7742036, US7735020, US7728820, US7727117, US7701438, US7699755, US7679611, US7665039, US7665038, US7567232, US7530929,

US7518745, US7404716, US7345670, US7331226, US7307619, US7280095, US7259761, US7245289, US7225115, US7209118, US7209028, US7191191, US7168042, US7154484, US7148875, US7077751, US6954899, US6906700, US6863536, US6857878, US6836982, US6803924, US6781569, US6757644, US6717571, US6687657, US6680729, US6678567, US6496200, US6433771, US6429846, US6424356, US6422944, US6402620, US6396509, US6390919, US6353850, US6339419, US6292170, US6285351, US2014115510, US2013331157, US2013174083, US2012109152, US2011157185, US2011081959, US2010271343, US2010271295, US2010261526, US2010251108, US2010231695, US2010231550, US2010231541, US2010231540, US2010231539, US2010231508, US2010231367, US2010201502, US2010199224, US2010167820, US2010152620, US2010033426, US2009289779, US2009227296, US2009227295, US2009055768, US2009019370, US2008281442, US2008223627, US2008126930, US2008117166, US2008055546, US2008055402, US2008055401, US2007298883, US2007296692, US2007268256, US2007195059, US2007182708, US2007142751, US2007139769, US2007139619, US2007139618, US2007139617, US2007139616, US2007139519, US2007070033, US2007018973, US2006279538, US2006260395, US2006211543, US2006211463, US2006187201, US2006181050, US2006129719, US2005184696, US2005134561, US2005044079, US2005030284, US2005014561, US2004243202, US2004217942, US2004167642, US2004147318, US2004095313, US2004034283, US2003183728, US2003095151, US2003076298, US2002187833, US2002084986, TWI550374, EP1873619, EP1450231, EP1450231, EP1440429, EP1406152, EP1333369, CN103197873, CN103197873,

Abstract:
Source: US6147674A A method and apparatus for designing force sensations for use with a force feedback interface device. A graphical design interface tool displayed on a host computer receives input from a user to select a type of force sensation and to define physical characteristics of a particular force sensation of that type, such as a spring or periodic sensation. A graphical representation of the characterized force sensation is displayed, providing the user with a visual demonstration of a feel of the force sensation. The user can preferably feel the designed force sensation through a force feedback device connected to the computer, and may iteratively modify and update force sensations to achieve a desired feel. The graphical display can also be modified by the user with a cursor or other input to modify the force sensation.

0) US2001006503A – REMOVABLE OPTICAL STORAGE DEVICE AND SYSTEM

53) Family number: 28252045 (US2001006503A) © PatBase

Title: REMOVABLE OPTICAL STORAGE DEVICE AND SYSTEM

Priority: US19990315398 19990520 US20000753109 20001229 US20010753356 20010315 US20060442828 20060530 US20040891173 20040713 US20020274487 20021017 WO2000US13736 20000518

Family:

Publication number	Publication date	Application number	Application date
AU200050290 A5	20001212	AU20000050290	20000518
CA2371370 AA	20001130	CA20002371370	20000518
CN100385501 C	20080430	CN20008010553	20000518
CN1379900 A	20021113	CN20008010553	20000518
EP1203371 A2	20020508	EP20000932592	20000518
EP1203371 A4	20080618	EP20000932592	20000518
JP2003500787 T2	20030107	JP20000620625T	20000518
MXPA01011917 A1	20030904	MX2001PA11917	20000518
US2001006503 AA	20010705	US20010753356	20010315
US2001014071 AA	20010816	US20000753109	20001229
US2002101816 AA	20020801	US19990315398	19990520
US2003117938 AA	20030626	US20020274487	20021017
US2004255318 AA	20041216	US20040891173	20040713
US2006294536 AA	20061228	US20060442828	20060530
US7913270 BB	20110322	US20060442828	20060530
WO0072312 A2	20001130	WO2000US13736	20000518
WO0072312 A3	20020124	WO2000US13736	20000518

Probable Assignee: CLEARWATER INNOVATIONS LLC

Assignee(s):(std)**:** DATAPLAY CO ; DATAPLAY COM ; DATAPLAY INC ; VOLK STEVEN B ; VOLAN GREGORY D ; REDMOND IAN R ; SPINVISION INC ; DATAPLAYINC ; DPHI AQUISITIONS INC ; DPHI ACQUISITIONS INC ; BRAITBERG MICHAEL F

Assignee(s): CLEARWATER INNOVATIONS LLC ; ENHANCED DATA SOLUTIONS LLC ; SEQUEL ENTREPRENEURS FUND II LP ; GATX VENTURES INC ; DATAPLAYCOM INC ; SILICON VALLEY BANK ; DATAPLAYCOM

Inventor(s):(std)**:** GREGORY D VOLAN ; MICHAEL F BRAITBERG ; STEVEN B VOLK ; VOLK STEVEN B ; VOLAN GREGORY D ; REDMOND IAN R ; BRAITBERG MICHAEL F

Inventor(s): BRAITBERG MICHAEL ; IAN R REDMOND ; VOLAN GREGORY ; VOLK STEVEN ; REDMOND IAN

Agent(s): FB RICE; FB RICE PTY LTD; SMART AND BIGGAR; MACPHERSON KWOK CHEN AND HEID LLP; HAYNES AND BOONE LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): G11B17/04 G11B17/16 G11B19/00 G11B23/03 G11B3/70 G11B33/02 G11B7/007 G11B7/085 G11B7/09 G11B7/12 G11B7/125 G11B7/135 G11B7/24 (Advanced/Invention); G11B23/03 G11B7/007 G11B7/09 G11B7/125 G11B7/135 (Advanced/Non–invention)

International class (IPC 1–7): G11B0/00 G11B15/64 G11B17/32 G11B19/00 G11B23/03 G11B3/00 G11B3/70 G11B33/02 G11B5/84 G11B7/085 G11B7/09 G11B7/125 G11B7/135 G11B7/24 G11B7/26

CPC: G11B31/006 G11B17/167 G11B7/007 G11B7/00745 G11B7/08576 G11B7/127 G11B7/135 G11B7/24097 G11B17/057 G11B23/0308 G11B7/123

European class:

G11B17/057 G11B17/16B3 G11B23/03A4 G11B23/03B2 G11B7/085H2 G11B7/127 G11B7/12H G11B7/24 G11B7/24097 S11B7/007 S11B7/007S S11B7/085H2 S11B7/135

US class: 369/275.1 369/275.100S 369/275.2 369/275.200S 369/275.3 369/275.300S 369/283 369/283S 369/284 369/284S 369/291 369/291.1 369/291.100S 369/300 369/300S 369/53.26 369/53.260S 369/75.1 369/77.2 720/632 720/632P 720/659 720/659S 720/681 720/681P 720/718 720/718S 720/736 720/736P G9B/17.048 G9B/17.048S G9B/23.033 G9B/23.033S G9B/23.042 G9B/23.042S G9B/7.055 G9B/7.055S G9B/7.108 G9B/7.108S G9B/7.139 G9B/7.139S G9B/7.159 G9B/7.165 G9B/7.166

Classification Explorer

Cited documents: WO8793134, WO8703134 A1, US6426936 BA, US6141315 A, US5974025 A, US5965229 A, US5963532 A, US5930090 A, US5808986 A, US5656370 A, US5627012 A, US5498507 A, US5481420 A, US5470628 A, US5418030 A, US5242784 A, US5132944 A, US4924436 A, US4876667 A, US4744055 A, US4660175 A, US4660117 A, US4543619 A, US4503474 A, US4199413 A, JP4349241 A2, JP4335233 A2, JP11066619 A2, JP10049914 A2, EP0907176 A3, EP0907176 A2, EP0510889 A1,

Forward Citations: WO07128665, WO04062117, WO04062117, WO02093569, WO0184545, WO0184545, USRE42973, US9672863, US9643088, US9633686, US9276968, US9118740, US8868778, US8645325, US8572663, US8341217, US8283679, US8267388, US8230452, US8224776, US8073965, US8072577, US8068403, US8010596, US8001387, US7983139, US7970815, US7924664, US7914711, US7769253, US7668576, US7616532, US7526188, US7483346, US7459726, US7385655, US7383560, US7383557, US7368222, US7324133, US7051054, US6990058, US6912189, US6908725, US6883661, US6831888, US6826213, US6820276, US6817026, US6750902, US6738333, US6622866, US6619100, US2011235252, US2009257340, US2009147655, US2009144763, US2009067976, US2007288947, US2007279604, US2007250718, US2007100935, US2007072681, US2006277563, US2006212541, US2006161944, US2006155599, US2006134959, US2006133227, US2005169120, US2005152261, US2005058439, US2005006648, US2004195572, US2004101861, US2004007706, US2003187654, US2003169342, US2003137065, US2002071350, TWI345684, JP2009509288, JP2009505328, FR2879009, EP1667125,

Abstract:
Source: US2001006503A A user−removable optical data storage system is provided. A rotatable first−surface medium is enveloped in a cartridge. The cartridge provides relatively large data capacity such as about 0.25 Gbytes or more despite a relatively small size such as about 35 mmx35 mmx3 mm. Preferably the cartridge substantially seals the data surfaces of the medium when the cartridge is withdrawn from a drive and at least a portion of one surface is automatically exposed to the objective of an optics arm when said cartridge is inserted in the drive. Tracking involves rotating an optic arm about an axis parallel to the disk rotation axis. Focus can involve pivoting the arm about an axis parallel to the disk surface.

0) US6169540B – METHOD AND APPARATUS FOR DESIGNING FORCE SENSAT...

54) Family number: 31808577 (US6169540B) © PatBase

Title: METHOD AND APPARATUS FOR DESIGNING FORCE SENSATIONS IN FORCE FEEDBACK APPLICATIONS

Priority: US19950566282 19951201 US19970846011 19970425 US19970877114 19970617

Family:

Publication number	Publication date	Application number	Application date
US6169540 BA	20010102	US19970877114	19970617

Probable Assignee: IMMERSION DELAWARE CORPORATION CORP

Assignee(s):(std): IMMERSION CORP

Assignee(s): IMMERSION DELAWARE CORP CORP ; IMMERSION DELAWARE CORPORATION CORP ; IMMERSION HUMAN INTERFACE CORP ; IMMERSION (DELAWARE CORPORATION) CORP

Inventor(s):(std): CHANG DEAN C ; ROSENBERG LOUIS B

International class (IPC 8–9): G05G9/047 G06F3/00 G06F3/01 G06F3/033 G06F3/038 (Advanced/Invention)

International class (IPC 1–7): G06F3/033

CPC: A63F2300/1025 A63F2300/1037 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/016 G06F3/03543 G06F3/0383 G06F2203/014 G06F2203/015 H01H2003/008

European class: G05G9/047 G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D1 G06F3/033Z9 G06F3/0354M G06F3/038E K63F300/10D K63F300/10F S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F

US class: 345/157 345/161 345/326 715/701 715/866

Classification Explorer

Cited documents: WO9731333 A1, WO9532459 A1, WO9520788 A1, WO9502801 A1, US5959613 A, US5889670 A, US5844392 A, US5831408 A, US5825308 A, US5808601 A, US5805140 A, US5802353 A, US5790108 A, US5781172 A, US5769640 A, US5767839 A, US5760764 A, US5755577 A, US5754023 A, US5742278 A, US5739811 A, US5734373 A, US5721566 A, US5714978 A, US5709219 A, US5691898 A, US5666473 A, US5666138 A, US5643087 A, US5642469 A, US5629594 A, US5625576 A, US5596347 A, US5589854 A, US5576727 A, US5551701 A, US5550562 A, US5526480 A, US5513100 A, US5482051 A, US5451924 A, US5414337 A, US5405152 A, US5389865 A, US5354162 A, US5341459 A, US5235868 A, US5223776 A, US5220260 A, US5193963 A, US5186629 A, US5185561 A, US5146566 A, US5116180 A, US5103404 A, US5076517 A, US5044956 A, US4935728 A, US4907973 A, US4896554 A, US4868549 A, US4800721 A, US4477043 A, US3919691 A, EP0875819 A1, EP0626634 A2,

Forward Citations: WO03087980, WO03087980, WO03077106, WO0203172, WO0203172, WO0156005, USRE45884, USD746856, USD733181, USD563982, USD556774, US9720501, US9696803, US9626059, US9625905, US9619030, US9619029, US9612659, US9588684, US9588683, US9557915, US9557813, US9552065, US9524025, US9495055, US9477308, US9448630, US9430074, US9423875, US9405417, US9372565, US9372539, US9367132, US9323332, US9298262, US9298261, US9280224, US9280205, US9274612, US9270155, US9239623, US9229571, US9207795, US9197735, US9174134, US9164587, US9128525, US9116617, US9098141, US9075525, US9063627, US9058101, US9056244, US9052790, US9035898, US9019228, US9013417, US8970403, US8947383, US8928621, US8928581, US8922510, US8922503, US8922502, US8917234, US8830161, US8803795, US8723832, US8717326, US8717287, US8704790, US8704649, US8686941, US8638308, US8619035, US8593269, US8587548, US8587541, US8570295, US8553005, US8547339, US8527873, US8519948, US8519947, US8456438, US8441437, US8316166, US8315652, US8279172, US8279053, US8271105, US8188981, US8179368, US8144120, US8102869, US8063893, US8063892, US8059105, US8059104, US8059088, US8049734, US8032605, US8031181, US8027349, US8020095, US8007282, US7982720, US7982711, US7978183, US7944435, US7904194, US7873965, US7853645, US7843424, US7812820, US7791588, US7779166, US7742609, US7742036, US7701438,

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Abstract:
Source: US6169540B A design interface tool for designing force sensations for use with a host computer and force feedback interface device. A force feedback device is connected to a host computer that displays the interface tool. Input from a user is received in the interface to select a type of force sensation to be commanded by a host computer and output by a force feedback interface device. Input, such as parameters, is then received from the user which designs and defines physical characteristics of the selected force sensation. A graphical representation of the characterized force sensation is displayed on the host computer which provides a visual demonstration of a feel of the characterized force sensation so that the user can view an effect of parameters on said force sensation. The characterized force sensation is output to a user manipulatable object of the force feedback device so that the user can feel the designed force sensation, where the graphical representation is updated in conjunction with the output of the force sensation. The user can iteratively modify force sensation characteristics and feel the results, and store the characterized force sensations.

0) US6194679B – FOUR ELECTRICAL CONTACT TESTING MACHINE FOR MIN...

55) Family number: 15293928 (US6194679B) © PatBase

Title: Four electrical contact testing machine for miniature inductors and process of using

Priority: US19990370083 19990806 WO2000US13171 20000515

Family:

Publication number	Publication date	Application number	Application date
AU200051326 A5	20010305	AU20000051326D	20000515
BRPI0006951 A	20010731	BR2000PI06951	20000515
CN1377305 A	20021030	CN20008001331	20000515
DE60036203 D1	20071011	DE20006036203	20000515
DE60036203 T2	20080515	DE20006036203T	20000515
EP1171247 A1	20020116	EP20000935941	20000515
EP1171247 A4	20050202	EP20000935941	20000515
EP1171247 B1	20070829	EP20000935941	20000515
IL141807 A0	20020310	IL20000141807	20000515
JP2003506694 T2	20030218	JP20010515077T	20000515
KR100411609 B1	20031218	KR20017004242	20010403
KR20010075569 A	20010809	KR20017004242	20010403
TW486391 B	20020511	TW20000103553	20000301
US6194679 BA	20010227	US19990370083	19990806
WO0110575 A1	20010215	WO2000US13171	20000515

Probable Assignee: ELECTRO SCIENTIFIC IND INC

Assignee(s):(std)**:** ELECTRO SCIENT IND INC ; ELECTRO SCIENTIFIC IND INC ; GARCIA DOUGLAS J ; HERRMANN JAKOB

Assignee(s): ELECTRO SCIENTIFIC INDUSTRIES INC ; ELECTRO SCIENTIFIC IND

Inventor(s):(std)**:** DJ GARCIA ; GARCIA D J ; GARCIA DOUGLAS J ; HERRMANN J ; HERRMANN JAKOB ; J HERRMANN

Inventor(s): JAKOB HERRMANN ; GARCIA DOUGLASJ ; DOUGLAS J GARCIA ; D J GARCIA

Agent(s): MATSUNAGA NOBUYUKI; OGOU SOICHI; SATO RYOTARO

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): B07C5/34 B07C5/344 G01R27/26 G01R31/00 G01R31/01 H01R39/00 (Advanced/Invention); B07C5/344 (Advanced/Non–invention); B07C5/34 G01R27/26 G01R31/00 G01R31/01 H01R39/00 (Core/Invention)

International class (IPC 1–7): B07C B07C5/344 G01R27/26 G01R31/00 G01R31/01 H01R39/00

CPC: B07C5/344 G01R31/013

European class: B07C5/344 G01R31/01B

US class: 209/571 209/573 209/574 209/600 209/601 324/546 324/750.25 324/754 324/757.01 324/758 324/759.03

Classification Explorer

Cited documents: US6040705 A, US5842579 A, US5739696 A, US5568870 A, US5131206 A, US5042668 A, US5034749 A, US4978913 A, US4818382 A, US4790438 A, US4747479 A, US4500003 A, US4436619 A, US3930993 A, US3690397 A, US3537580 A, FR2489648 A1, EP0425087 A2,

Forward Citations: WO08094826, WO03091739, US9029725, US8686310, US8235643, US8231323, US7924033, US7888949, US7819235, US7704033, US7635973, US7609078,

US7030634, US6906508, US6756798, US6710611, US6601365, US2014048457, US2012205297, US2010206693, US2009237096, US2009237091, US2009160471, US2009127169, US2008181751, US2008179224, US2007248442, US2005139450, US2005127896, US2005062466, US2004217764, TWI450660, JP2010516595, DE10297410, CN103272785,

Abstract:
Source: US6194679B In a machine for testing and sorting miniature electrical inductors of the type having spaced−apart, opposed first and second metal−terminated ends, wherein the machine includes a feed station having an inlet, an outlet and adapted to receive bulk quantities of inductors, a rotatably mounted transport wheel the wheel having an outer rim portion that includes a plurality of separate, spaced−apart compartments adapted to receive inductors from the feed station whereby each of the compartments has a central axis that is oriented perpendicular to the axis of the wheel, a test station including testing apparatus, and a sorting station operatively connected to the testing apparatus whereby an electrical inductor that is within the sorting station can be directed by a transfer means into one of at least two receiving means based on the testing performed at the test station, wherein when an electrical inductor is located in one of the compartments of the wheel. The inductor is transported from the feed station to the test station and then to the sorting station while remaining in the compartments, the improvement in the ability to test the inductor using four separate electrical contacts simultaneously comprising a fixed first electrical contact and a second electrical contact, the second electrical contact moveable in a direction toward and away from the wheel, the first and the second electrical contacts in side−by−side, spaced−apart, arrangement in the test station and configured to contact the metal−terminated first end of the electrical inductor, and third and fourth electrical contacts, each of the third and fourth contacts moveable in a direction toward and away from the wheel for contacting the metal−terminated second end of the electrical inductor, the first, second, third and fourth electrical contacts arranged to contact the metal−terminated first and second ends of the electrical inductor simultaneously so that electrical tests can be performed on the inductors using all four electrical contacts.

0) US2012063655A – METHODS AND SYSTEMS FOR PRODUCING AN IMPLANT

56) Family number: 15294925 (US2012063655A) © PatBase

Title: METHODS AND SYSTEMS FOR PRODUCING AN IMPLANT

Priority: US19990148275P 19990811 US19990148277P 19990811 US20000129308 20001103 US19990163323P 19991103 US20020089467 20020327 US19990148393P 19990811 US20020129308 20020903 US20100720518 20100309 US20120616007 20120914 US20110228517 20110909 US20130967738 20130815 US20140277835 20140515 US20140277275 20140514 US20130039994 20130927 WO2000US22053 20000811 WO2000US41821 20001103 WO2000US22053 19990811 US20160072607 20160317 US20160075498 20160321

Family:

Publication number	Publication date	Application number	Application date
AU200066348 A5	20010305	AU20000066348	20000811
AU200126216 A5	20010514	AU20010026216D	20001103
EP1226553 A2	20020731	EP20000989754	20001103
US2012063655 AA	20120315	US20110228517	20110909
US2012230566 AA	20120913	US20100720518	20100309
US2013018497 AA	20130117	US20120616007	20120914
US2014003695 AA	20140102	US20130967738	20130815
US2014301627 AA	20141009	US20140277835	20140515
US2015032421 AA	20150129	US20140277275	20140514
US2015049929 AA	20150219	US20130039994	20130927
US2016196651 AA	20160707	US20160072607	20160317
US2016203241 AA	20160714	US20160075498	20160321
US2016321802 A9	20161103	US20130039994	20130927
US7702380 BA	20100420	US20000129308	20001103
US8781557 BB	20140715	US20100720518	20100309
US9208558 BB	20151208	US20130967738	20130815
US9275191 BB	20160301	US20120616007	20120914
US9292920 BB	20160322	US20140277835	20140515
US9330206 BB	20160503	US20140277275	20140514
US9626756 BB	20170418	US20130039994	20130927
US9672302 BB	20170606	US20160075498	20160321
US9672617 BB	20170606	US20160072607	20160317
WO0110339 A2	20010215	WO2000US22053	20000811
WO0110339 A3	20010830	WO2000US22053	20000811
WO0133511 A2	20010510	WO2000US41821	20001103
WO0133511 A3	20011220	WO2000US41821	20001103

Probable Assignee: OSTEOPLASTICS LLC

Assignee(s):(std)**:** DEAN H DAVID ; UNIV CASE WESTERN RESERVE ; SUBRAMANYAN KRISHNAMOORTHY ; MOULLAS ALEXANDROS T ; OSTEOPLASTICS LLC ; RATCHESON ROBERT A ; DEAN HOWARD D

Assignee(s): RATCHESON ROBERT ; SUBRAMANYAN KRISHNA ; DEAN HOWARD DAVID ; MOULLAS ALEXANDROS ; DEAN HOWARD ; CASE WESTERN RESERVE UNIV ; CASE WESTERN RESERVE UNIVERSITY ; DEAN H

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Inventor(s): H DAVID DEAN ; KRISHNAMOORTHY SUBRAMANYAN ; ALEXANDROS T MOULLAS ; DEAN H

Agent(s): BENESCH FRIEDLANDER COPLAN AND ARONOFF LLP; ASCENDA LAW GROUP PC; MUETING RAASCH AND GEBHARDT PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): A61B19/00 A61B34/10 A61B5/00 A61B5/05 A61B5/055 A61B5/103 A61B5/107 A61B6/03 A61F2/28 A61F2/30 G05B19/18 G05B19/4099 G06F17/50 G06F19/00 G06K9/00 G06K9/34 G06K9/62 G06T15/00 G06T15/08 G06T17/00 G06T19/00 G06T7/00 G06T7/11 G06T7/50 (Advanced/Invention); A61B5/055 A61B6/00 A61B6/03 A61F2/28 G06T15/00 (Advanced/Non–invention); A61B5/05 G06T17/00 (Core/Invention)

International class (IPC 1–7): A61B5/00 A61F A61F2/02 G06T17/00

CPC: A61B5/103 Y10S623/911 Y10S128/923 A61B6/505 A61F2/28 A61F2002/2835 G06T7/0014 G06F19/3437 G06F19/321 G06F19/3481 G06K9/34 G06K9/6251 G06K2209/05 G06T19/00 G06T2207/10081 G06T2207/20084 G06F17/50 G06T15/00 G06T7/0012 A61B5/1075 A61B5/7264 A61F2/2875 G06T2207/30008 A61B6/03 A61B6/501 A61B2576/00 A61F2/30942 A61F2002/30943 G06T17/00 G06T2207/30016 G06T2207/30201 Y10S128/922 Y10S623/914 G06K9/6201 G06T7/001 G06T2207/10088 G06T2207/30108 G06T2210/41 A61B19/50 A61B2019/508 A61B34/10 A61B2034/108 G06T15/08 A61B6/032 G06T2207/30052 G05B19/4099 G05B2219/49023 A61B5/055 G06T7/11 G06T7/50 B33Y50/00 B33Y80/00 G06T7/0051 G06T7/0081

European class: G06F19/00A G06F19/32A G06F19/34H G06F19/34N G06K9/34 G06K9/62B4T G06T17/00 S06K209/05

US class: 1/1 128/922 128/923 345/419 378/21 382/128 382/128P 382/131 382/141 382/171 382/172 382/173 382/181 600/410 600/414 600/425 600/426 600/427 600/587 623/16.11 623/911 623/914 700/118 700/98 703/1

Classification Explorer

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Forward Citations: WO17044919, WO16077646, WO12068679, WO12027150, WO12027150, WO09105495, WO06042077, WO06042077, USD691719, US9717461, US9693049, US9672617, US9672302, US9665734, US9659152, US9649170, US9646113, US9636181, US9626756, US9622820, US9607377, US9595135, US9589376, US9589344, US9566138, US9549782, US9504402, US9495726, US9474582, US9433390, US9408618, US9402637, US9402565, US9393432, US9354510, US9330206, US9324185, US9292920, US9275191, US9268002, US9208558, US9208263, US9207639, US9162072, US9159134, US9153022, US9125624, US9111180, US9109998, US9084901, US9076238, US9017336, US8968320, US8831322, US8805625, US8801720, US8801719, US8777875, US8737700, US8734455, US8715291, US8705830, US8666497, US8633942, US8617175, US8617171, US8588496, US8568646, US8532361, US8494237, US8483469, US8480679, US8465689, US8460303, US8460302, US8447105, US8442295, US8442288, US8406497, US8405396, US8397732, US8374679, US8280478, US8086313, US8048359, US2017069131, US2017064294, US2016270856, US2016203241, US2016049001, US2016005167, US2015328004, US2015055839, US2014343557, US2014328519, US2014272789, US2014253548, US2014204702, US2013316302, US2013297265, US2013289951, US2013230838, US2013217996, US2013057548, US2012141008, US2012114201, US2012113116, US2012050319, US2011317905, US2011214279, US2011194744, US2011188726, US2011161058, US2011087443, US2011074414, US2010215235, US2010114249, US2009299380, US2009299165, US2009299164, US2009292327, US2009281623, US2009222059, US2009221898, US2009131941, US2008234573, US2008147072, US2007185539, US2007074732, JP6147349, JP2015530581, EP3008722, EP2510878, CN103892855, CN103393486, CN103393486,

Abstract:
Source: US2012063655A A computer implemented method for determining the 3–dimensional shape of an

implant to be implanted into a subject includes obtaining a computer readable image including a defective portion and a non−defective portion of tissue in the subject, superimposing on the image a shape to span the defective portion, and determining the 3−dimensional shape of the implant based on the shape that spans the defective portion.

0) US2002033854A – PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY I...

57) Family number: 31982087 (US2002033854A) © PatBase

Title: PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION

Priority: AU19970007979 19970712 AU1997PO07979 19970712 AU1997PO07979 19970715
AU20050200090 20050111 AU20020319008 20020806 AU1997PO07991 19970715
US19980113053 19980710 US20010922207 20010806 WO2002AU01054 20020806

Family:

Publication number	Publication date	Application number	Application date
AU2002319008 AA	20030224	AU20020319008	20020806
AU2002319008 BB	20041021	AU20020319008	20020806
AU2005200090 AA	20050203	AU20050200090	20050111
AU2005200090 BB	20050630	AU20050200090	20050111
CA2456714 AA	20040206	CA20022456714	20020806
CA2456714 C	20061114	CA20022456714	20020806
US2002033854 AA	20020321	US20010922207	20010806
US6195150 BA	20010227	US19980112739	19980710
US6362868 BA	20020326	US19980113053	19980710
US6857719 BB	20050222	US20010922207	20010806
WO03013861 A1	20030220	WO2002AU01054	20020806
ZA200401205 A	20041022	ZA20040001205	20040216

Probable Assignee: MEMJET TECHNOLOGY LTD

Assignee(s):(std)**:** SILVERBROOK KIA ; SILVERBROOK RES PTY LTD ; SILVERBROOK RESEARCH PTY LTD

Assignee(s): ZAMTEC LTD ; ZAMTEC LTD8 FITZWILLIAM SQUAREDUBLIN 2IE ; SILVERBROOK RESEARCH PTY LTD393 DARLING STREETNSW 2041BALMAINAU ; SILVERBROOK RESEARCH LTD ; SILVERBROOK RESEARCH PTY LIMITED ; SILVERBROOK RESEARCH PTYLTD ; GOOGLE INC ; MEMJET TECHNOLOGY LTD

Inventor(s):(std)**:** KIA SILVERBROOK ; SILVERBROOK KIA

Inventor(s): SILVERBROOK KIAAU

Agent(s): SILVERBROOK RESEARCH PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B41J11/00 B41J11/70 B41J15/04 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 B42D15/10 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 G11C11/56 H04N1/21 H04N1/32 H04N13/00 H04N5/225 H04N5/262 (Advanced/Invention);
B41J2/165 B41J2/175 H04N1/00 (Advanced/Non–invention);
B41J11/00 B41J11/70 B41J15/04 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 B42D15/10 G06F1/16 G06F21/00 G06K1/00 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 G11C11/56 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Core/Invention);
B41J2/165 B41J2/175 H04N1/00 (Core/Non–invention)

International class (IPC 1–7): B41J2/01 B41J2/175 B41J29/38 G03B27/00 G03B27/32 G03B27/58 G03G15/00

CPC: B82Y30/00 B41J2/14427 B41J2/1623 B41J2/1626 B41J2/1628 B41J2/1629 B41J2/1631 B41J2/1632 B41J2/1635 B41J2/1637 B41J2/1642 B41J2/1643 B41J2/1645 B41J2/1646 B41J2/1648 B41J2/16585 B41J2/17503 B41J2/17513 B41J2/17596 B41J2002/041 B41J2202/21 G06F21/79 G06F21/86 G06F2221/2129 G06K1/121 G06K7/14 G06K7/1417 G06K19/06037 G11C11/56 H04N1/0044 H04N1/2112 H04N1/2154 H04N5/225 H04N2101/00 B42D2035/34 B41J2/01 G03B27/00 H04N5/228 H04N5/2628 B41J2/17546

European class:

B41J11/00A B41J11/70 B41J15/04 B41J2/14S B41J2/16M B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M7S B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/16S B41J2/175C B41J2/175C2 B41J2/175C7E B41J3/42B B41J3/44B B42D15/10 B82Y30/00 G06F21/79 G06F21/86 G06K1/12B G06K19/06C3 G06K19/073 G06K7/14 G06K7/14A2C G11C11/56 H04N1/00D3D4 H04N1/21B3 H04N1/21B3H H04N1/32C H04N1/32C16 H04N5/225 H04N5/262T L41J2/04M L41J2/165L L41J2/175P L41J202/21 L42D35/34 S06F221/2129 T04N1/00C T04N101/00 T04N201/00C T04N201/00C22 T04N201/00W1 T04N201/32C12 T04N201/32C3H T04N201/32C6 T04N201/32C9B

US class: 347/17 347/17P 347/19 347/19S 347/5 347/5S 347/86 348/E05.024 348/E05.055 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S 355/18 355/22 355/72 399/12 977/742 977/775 977/839 977/890

Classification Explorer

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Forward Citations: WO10111709, WO10111709, WO06123865, WO03013860, US9703574, US9584681, US9560221, US9544451, US9524248, US9448965, US9432529, US9338312, US9333787, US9332663, US9237244, US9225972, US9219832, US9197767, US9191530, US9191529, US9185247, US9185246, US9179020, US9171389, US9168761, US9167109, US9154648, US9154647, US9148530, US9143636, US9143635, US9137398, US9137397, US9131083, US9124737, US9124736, US9124735, US9113010, US9113009, US9113008, US9113007, US9108430, US9106775, US9100516, US9088675, US9083830, US9083829, US9060128, US9060081, US9055221, US9049318, US9044965, US9036162, US9013717, US8953178, US8953061, US8953060, US8947679, US8947592, US8937727, US8936196, US8934053, US8934027, US8928897, US8922791, US8922670, US8913182, US8913151, US8913137, US8908075, US8908069, US8908051, US8902357, US8902340, US8902333, US8902324, US8896724, US8896720, US8891008, US8890970, US8890969, US8885180, US8885179, US8878953, US8872952, US8867134, US8866926, US8866923, US8854538, US8854494, US8854493, US8854492, US8836809, US8823823, US8810723, US8789939, US8773763, US8755121, US8725961, US8646770, US8646684, US8550597, US8421869, US8376520, US8371678, US8363262, US8328101, US8317281, US8310760, US8303199, US8285137, US8284492, US8274665, US8254030, US8235483, US8144399, US8136938, US8120855, US8118400, US8111462, US8102568, US8100509, US8098285, US8096642, US8096639, US8092005, US8091982, US8079666, US8077393, US8077207, US8068151, US8066352, US8061828, US8057024, US8057004, US8042893, US8029113, US8027055, US8025009, US8020979, US8020969, US8016400, US8013905, US8011570, US8009360, US8007085, US7997706, US7997704, US7992966, US7992961, US7984969, US7984965, US7967406, US7965425, US7959275, US7957009, US7942332, US7934817, US7934494, US7891758, US7878505, US7874751, US7808610, US7775655, US7766468, US7758167, US7738175, US7733361, US7722175, US7712886, US7703668, US7695082, US7690765, US7690560, US7665836, US7665834, US7625060, US7621607, US7611237, US7600670, US7588319, US7581826, US7581495, US7575316, US7575313, US7572077, US7562971, US7524047, US7524046, US7524045, US7524031, US7517071, US7513590, US7492490, US7484841, US7483053, US7470020, US7470014, US7468842, US7344325, US7333268, US7325897, US7312845, US7311257, US7289727, US7284921, US7281786, US7278723, US7275800, US7271829, US7237485, US7236188, US7236187, US7192108, US7188944, US7154580, US7154519, US7153555, US7152939, US7152780, US7147294, US7140726, US7140726, US7140609, US7128386, US7088420, US7061532, US7055927, US7052103, US7014307, US7002664, US6986562, US6906778, US6890051, US6837425, US6788336, US6718664, US6637873, US6565181, US6520631, US6490093, US2015093049, US2014347813, US2012179854, US2011216369, US2011209328, US2011122263, US2011098084, US2011092250, US2011058235, US2011019283, US2010295915, US2010277547, US2010277546, US2010277528, US2010265339, US2010245998, US2010245411, US2010231648, US2010225705, US2010220199, US2010208085, US2010201846, US2010176196, US2010157005, US2010091116, US2010091069, US2010039488, US2010004429, US2010002063, US2010002053, US2009290926, US2009279934, US2009278901, US2009268003, US2009267992, US2009262149, US2009257809, US2009251737, US2009244292, US2009244215, US2009244185, US2009244183, US2009242636, US2009213150, US2009195611, US2009195610, US2009123209, US2009122412, US2009087246, US2009087245, US2009058976, US2009058975, US2009058923, US2009051949, US2009051744, US2009051743, US2009046136, US2009021840, US2008316275, US2008309746, US2008291246, US2008273217, US2008247801, US2008246812,

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Abstract:
Source: US2002033854A A printing cartridge includes a housing. An array of pressure sensor actuators is positioned on the housing. The array of pressure sensor actuators represents data relating to at least one of: a serial number of the cartridge, a media and a media colorant so that when a pressure sensor array is actuated by the array of pressure sensor actuators, a signal carrying such data can be generated.

58) Family number: 15416103 (US6231483B) © PatBase

Title: Sliding exercise apparatus and recreational device

Priority: US19990344302 19990624 US20010819256 20010327 US20070983528 20071112 US20070983525 20071112 US20070983012 20071106

Family:

Publication number	Publication date	Application number	Application date
US6231483 BA	20010515	US19990344302	19990624
US7309302 BA	20071218	US20010819256	20010327
US7789804 BA	20100907	US20070983528	20071112
US7896778 BA	20110301	US20070983012	20071106
US7896779 BA	20110301	US20070983525	20071112

Probable Assignee: WORLDSLIDE LLC

Assignee(s):(std)**:** PHILLIPS FORREST B ; WORLDSLIDE L L C ; WORLDSLIDE LLC

Assignee(s): AQUAWOOD LLC

Inventor(s):(std)**:** PHILLIPS FORREST B

Agent(s): WOLF GREENFIELD AND SACKS; WILLIAM S

International class (IPC 8–9)**:** A63B17/00 A63B22/00 A63B69/18 A63B9/00 A63C11/02 A63C19/10 A63G21/00 (Advanced/Invention); A63B69/00 (Advanced/Non–invention); A63B17/00 A63B69/18 A63B9/00 A63C11/00 A63C19/00 A63G21/00 (Core/Invention); A63B69/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B22/00

CPC: A63B69/0093 A63B69/18 A63C11/025 A63C19/10

European class: A63B69/18 A63C11/02B2 A63C19/10 K63B69/00U

US class: 280/814 280/842 472/116 482/148 482/35 482/51 482/71

Classification Explorer

Cited documents: USRE34042 E, USD597624 S1, USD597163 S1, USD595801 S1, USD556849 S1, USD460141 S1, USD340965 S1, USD328326 S1, US7547255 BB, US7497784 BB, US7371183 BB, US7371182 BB, US7309302 BA, US7066821 BB, US6984195 BA, US6648767 BA, US6558264 BB, US6491589 BA, US6471001 BA, US6413165 BA, US6406377 BA, US6336771 BA, US6319137 BA, US6231483 BA, US6223673 BA, US6142879 A, US6132317 A, US6062983 A, US5875868 A, US5678357 A, US5676602 A, US5669822 A, US5652983 A, US5593770 A, US5593370 A, US5564729 A, US5557815 A, US5509871 A, US5507696 A, US5478281 A, US5453054 A, US5407393 A, US5401214 A, US5387158 A, US5326338 A, US5246401 A, US5213547 A, US5167170 A, US5154671 A, US5135440 A, US5104017 A, US5012921 A, US4910055 A, US4887811 A, US4805898 A, US4762316 A, US4715416 A, US4657266 A, US4180260 A, US4148477 A, US3856321 A, US3811534 A, US3712417 A, US3669217 A, US3639931 A, US3290703 A, US3140878 A, US2982547 A, US2009029785 AA, US2007167246 AA, US2007072690 AA, US2002117354 AA, US1871215 A,

Forward Citations: WO14181977, US9555335, US9511298, US9492705, US9463390, US9446323, US8276920, US7896779, US7896778, US7789804, US7309302, US2017072326, US2016199744, US2015148141, US2015057093, US2014357387, US2012083350, US2011300995, US2011049820, US2009088239, US2008293505, US2008246269, US2008076098, US2007259320, US2006189443, US2006006634, US2005001392, TWI303573, KR101361807, KR101074081, CN105413182,

Abstract:
Source: US6231483B A sliding exercise apparatus used as a recreational device. The device includes a sport board housed within a carrying case. The carrying case has at least a low friction and board protective bottom surface to facilitate sliding the apparatus upon a suitable contact area. The top of the carrying case is provided with removable portions that would enable the user to access the sports board while the board is housed within its carrying case. A user can be supported by the board while in its case and can employ the board and case to navigate upon a suitable support surface.

59) Family number: 28168778 (US2002018281A) © PatBase

Title: Coupled electrochromic compounds with photostable dication oxidation states

Priority:

CN200480012149	20040506	CN200780007652	20070302	CN200780016001	20070305
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JP20060514324	20040506	US20040511104P	20040827	US20040415004P	20040929
US20010884717	20010619	US19990350879	19990709	US20020260741	20020930
US20030430885	20030506	US20040605111P	20040827	US20040548472P	20040227
JP20100206381	20040506	JP20080558324	20070302	JP20080558324T	20070302
US20070682098	20070305	US20070682121	20070305	US20070713849	20070305
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US20060477242	20060629	US20080028415P	20080213	US20070888686P	20071207
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US20120431700	20120327	WO2011US43191	20110707	US20130749541	20130124
US20120567363	20120806	US20130047217	20131007	US20130022499	20130910
US20140155659	20140115	US20140164505	20140127	US20140511728	20141010
US20150699402	20150429	US20150717047	20150520	US20150840723	20150831
WO2005US05932	20060825	US20130395069	20130211	US20160353084	20161116

Family:

Publication number	Publication date	Application number	Application date
AU2003272785 AA	20040423	AU20030272785	20030929
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Agent(s): MACRAE AND CO; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWAELTE; BAYLISS GEOFFREY CYRIL; FINNIE PETER JOHN; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; CUNDY JACK WILLIAM; UESUGI HIROSHI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KUMAKURA YOSHIO; NISHIJIMA TAKAKI; PRICE HENEVELD COOPER DEWITT AND LITTON LLP GENTEX CORP; BRIAN J REES GENTEX CORP; BROMBERG AND SUNSTEIN LLP; GENTEX C O QUARLES AND BRADY LLP CORP; PRICE HENEVELD COOPER DEWITT AND LITTON LLP; SHULTZ JR JAMES E; JAMES E; QUARLES AND BRADY LLP; YAKOV; SCOTT P; PRICE HENEVELD LLP; BRADLEY D; SUNSTEIN BRUCE D ET AL; SIDORIN YAKOV

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9)**:** B05D5/06 B05D5/12 B23K26/362 B23K26/402 B32B17/06 B32B17/10 B32B7/02 B32B7/14 B60Q1/26 B60R1/02 B60R1/04 B60R1/06 B60R1/07 B60R1/08 B60R1/12

C03C17/36 C09K9/02 C23C14/08 C23C14/46 F16M13/02 G02B1/04 G02B1/10 G02B13/04 G02B27/00 G02B27/14 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02B7/182 G02F1/00 G02F1/01 G02F1/03 G02F1/061 G02F1/15 G02F1/153 G02F1/155 G02F1/157 G02F1/161 G02F1/163 H05K1/02 H05K3/32 (Advanced/Invention);
B60R1/06 B60R1/08 C23C14/08 C23C14/34 G02F1/1345 G02F1/15 G02F1/155 G02F1/157 G02F1/161 H05K1/03 (Advanced/Non–invention);
B05D5/06 B32B7/02 B60R1/06 B60R1/08 B60R1/12 C23C14/46 G02B1/04 G02B27/00 G02B5/08 G02B5/20 G02B5/26 G02B5/28 G02F1/00 G02F1/01 H05K1/02 H05K3/32 (Core/Invention);
H05K1/03 (Core/Non–invention);
B60R (Subclass/Invention)

International class (IPC 1–7): B60R1/08 G02B27/00 G02F1/15 G02F1/153 G02F1/161

CPC: C09K9/02 G02F1/1521 G02F2001/1512 B82Y20/00 G02F2202/36 C23C14/185 C23C14/5833 C23C14/5873 B60R1/1207 B60R2001/123 B60R2001/1284 G02F1/1345 Y10S359/90 F16M13/02 B60R1/02 H05K2201/10106 H05K1/0306 H05K1/0274 H05K3/321 H05K2201/0108 H05K2201/10651 H05K2201/2036 H05K2201/2054 G02B27/14 B60R1/084 Y10T29/49826 G02F1/0018 G02B5/0808 B60R1/08 B32B17/06 B32B17/10036 B32B17/10174 B32B17/10321 B32B17/10513 B32B2255/205 B32B2605/00 B32B2307/40 C23C14/086 B60R1/12 C03C17/36 C03C17/3618 C03C17/3639 C03C17/3663 B60R1/025 G02F1/15 B32B2307/202 B32B2307/412 B32B2307/728 B32B2307/73 B32B2605/006 C23C14/34 G02B5/0875 B23K26/362 B23K26/402 B23K2203/50 B23K2203/00 G02F1/1533 Y10T29/49002 Y10T428/24355 Y10T428/2495 G02F2203/09 C03C17/3647 C03C17/3649 B60R1/00 B60R1/04 B60R1/06 B60R1/083 B60R1/085 B60R2001/1215 B60R2001/1223 B60R2001/1253 B60R2300/108 E06B3/6722 G02F2201/34 G02F1/136204 G02F1/155 E06B9/24 G02F1/13439 G02F1/153 G02F1/157 G02F1/163 G02F2201/48 B60R1/088 G02F1/161 G02F1/00

European class: B32B17/06 B32B17/10C4 B32B17/10E10 B32B17/10E20 B32B17/10E40D64 B60R1/00 B60R1/04 B60R1/06 B60R1/08 B60R1/08G B60R1/08G2 B60R1/08G3 B60R1/08G5 B60R1/12 B82Y20/00 C03C17/36 C03C17/36B320 C03C17/36B339 C03C17/36B352M C09K9/02 C23C14/08L C23C14/18B C23C14/58D2 C23C14/58J E06B3/67F2 G02F1/15 G02F1/153 G02F1/153B G02F1/155 G02F1/157 G02F1/15V G02F1/161 G02F1/163 H05K1/02G H05K3/32B L60R1/12A L60R1/12B L60R1/12C L60R1/12D L60R1/12G L60R1/12L L60R300/10X P06B9/24 S02F1/1343B S02F1/1345 S02F1/153B S02F1/155 S02F1/157 S02F1/15B S02F1/15M S02F1/161 S02F1/163 S02F201/34 S02F201/48 S02F202/36 S02F203/02 T05K1/03B T05K201/01A1 T05K201/10D1D T05K201/20F

US class: 1/1 204/298.36 204/298.360P 248/205.1 29/428 29/592.1 359/245 359/245P 359/265 359/265P 359/265S 359/266 359/267 359/267P 359/268 359/269 359/270 359/271 359/272 359/273 359/273P 359/273S 359/274 359/275 359/296 359/601 359/602 359/603 359/603S 359/604 359/604P 359/636 359/636S 359/753 359/838 359/838S 359/839 359/839P 359/871 359/871S 359/872 359/872S 359/877 359/883 359/883S 359/900 362/494 362/514 362/516 427/162 427/555 428/141 428/141P 428/213 428/213S

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Forward Citations: WO17112427, WO17095797, WO17079144, WO17075420, WO17058882, WO17058721, WO17036734, WO17009563, WO17007912, WO16209414, WO16191406, WO16145120, WO16126460, WO16069174, WO16049129, WO16044746, WO16040795, WO16040730, WO16014933, WO16007168, WO15172032, WO15168282, WO15151750, WO15133878, WO15133862, WO14160357, WO14159699, WO14116507, WO14110124, WO14090666, WO13126719, WO13109881, WO13096779, WO12170566, WO12162502, WO12051294, WO12051294, WO12006422, WO11109125, WO11109123, WO11109121, WO11071559, WO11044312, WO11028933, WO11028254, WO11028253, WO10119229, WO10119228, WO10093703, WO10024840, WO09153593, WO09146371, WO09112644, WO09046513, WO09020846, WO08039718, WO08039718, WO08013501, WO08007237, WO08007237, WO07146862, WO07014547, WO07005368, WO06121659, WO05008326, WO04103773, WO04034183, WO04013688, WO03069397, WO03052494, WO03052494, WO03011688, WO03011688, WO0208826, USD783480, USD725561, USD661234, USD660208, US9723723, US9718407, US9718357, US9713986, US9713985, US9711422, US9709869, US9709793, US9707895, US9705494, US9703167, US9701248, US9701247, US9696482, US9694753, US9694752, US9694751, US9694750, US9694749, US9686673, US9684209, US9676427, US9676336, US9676334, US9671665, US9669762, US9664974, US9663036, US9660644, US9659498, US9658727, US9654103, US9649981, US9645465, US9638978, US9637055, US9630561, US9630559, US9625764, US9623800, US9620065, US9618819, US9616808, US9612500, US9607023, US9606412, US9599525, US9598826, US9598016, US9595501, US9588394, US9588336, US9586521, US9581877, US9575481, US9575360, US9575359, US9575315, US9573346, US9568527, US9559688, US9557584, US9550457, US9548733, US9545883, US9545882, US9536715, US9533619, US9531379, US9529214, US9523902, US9520875, US9517776, US9511711, US9508593, US9505350, US9505349, US9500927, US9500808, US9499214, US9499102, US9496632, US9488892, US9487144, US9487143, US9487142, US9484651, US9482922, US9481306, US9481304, US9481303, US9477131, US9477129, US9470927, US9469252, US9454056, US9454055, US9454054, US9454053, US9448345, US9447613, US9444068, US9442342, US9442341, US9442339, US9440589, US9440587, US9436055, US9436054, US9434312, US9434311, US9429809, US9423664, US9415724, US9412290, US9406698, US9405165, US9405047, US9403590, US9398270, US9393909, US9387648, US9376552, US9376061, US9354734, US9354470, US9352623, US9349911, US9348192, US9346403, US9346402, US9342182, US9341914, US9341912, US9341909, US9340161, US9337832, US9336302, US9333917, US9333909, US9327648, US9316347, US9315155, US9315151, US9311204, US9308867, US9302624, US9302452, US9290970, US9290127, US9287864, US9287627, US9283900, US9281672, US9278654, US9274394, US9272371, US9255029, US9249283, US9242607, US9221399, US9219472, US9216691, US9214254, US9210761, US9206078, US9205780, US9198317, US9197206, US9187439, US9184745, US9176357, US9174578, US9168814, US9162624, US9158173, US9158172, US9153377, US9151948, US9146437, US9145090, US9143126, US9140950, US9136840, US9134585, US9128346, US9128345, US9127348, US9117884, US9114425, US9108881, US9105573, US9105382, US9102279, US9099673, US9099535, US9096181, US9090212, US9090211, US9081247, US9081222, US9073553, US9073491, US9073490, US9067542, US9067541, US9065447, US9057925, US9056584, US9045933, US9045091, US9041998, US9041025, US9040829, US9035754, US9030725,

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Abstract:
Source: US2002018281A Coupling of anodic electrochromic compounds by a covalent bond or a bridge link which provides for electronic communication between the coupled electrochromic compounds results in coupled electrochromic compounds which exhibit greater stability as well as electrochromic activity that differs from the monomeric electrochromic compounds. Extension of the absorption spectrum into the near−infrared region of the spectrum is frequently observed. The coupled electrochromic compounds are highly suitable for use in electrochromic media used to produce electrochromic devices.

0) US6285351B – DESIGNING FORCE SENSATIONS FOR COMPUTER APPLICA...

60) Family number: 31808565 (US6285351B) © PatBase

Title: Designing force sensations for computer applications including sounds

Priority: US19970846011 19970425 US19970877114 19970617 US19990243209 19990202

Family:

Publication number	Publication date	Application number	Application date
US6285351 BA	20010904	US19990243209	19990202

Probable Assignee: IMMERSION DELAWARE CORPORATION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): IMMERSION DELAWARE CORP CORP ; IMMERSION DELAWARE CORPORATION CORP ; IMMERSION (DELAWARE CORPORATION) CORP

Inventor(s):(std)**:** CHANG DEAN C ; MALLETT JEFFREY R ; ROSENBERG LOUIS B

International class (IPC 8–9)**:** G06F3/00 G06F3/01 G06F3/033 (Advanced/Invention)

International class (IPC 1–7)**:** G09G5/00 G09G5/08

CPC: A63F2300/1037 A63F2300/6063 G06F3/011 G06F3/016 G06F3/03543 G06F2203/014 G06F2203/015

European class: G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D1 G06F3/0354M K63F300/10F K63F300/60S S06F203/014 S06F203/015

US class: 345/156 345/161 345/163 345/167 463/30 463/37 463/38 715/804 715/835 715/866

Classification Explorer

Cited documents: WO9858308 A1, WO9849614 A1, WO9731333 A1, WO9721160 A2, WO9532459 A1, WO9520788 A1, WO9502801 A1, US6169540 BA, US6147674 A, US6131097 A, US6125385 A, US6111577 A, US6088017 A, US6078308 A, US6028593 A, US6020876 A, US6005551 A, US6004134 A, US6001014 A, US5973689 A, US5959613 A, US5956484 A, US5889670 A, US5857986 A, US5844392 A, US5831408 A, US5825308 A, US5808601 A, US5805140 A, US5802353 A, US5790108 A, US5784052 A, US5781172 A, US5769640 A, US5767839 A, US5760788 A, US5760764 A, US5755577 A, US5754023 A, US5742278 A, US5739811 A, US5736978 A, US5734373 A, US5721566 A, US5715412 A, US5714978 A, US5709219 A, US5691898 A, US5684722 A, US5666473 A, US5666138 A, US5643087 A, US5642469 A, US5629594 A, US5625576 A, US5596347 A, US5589854 A, US5576727 A, US5565840 A, US5550562 A, US5526480 A, US5513100 A, US5482051 A, US5461711 A, US5451924 A, US5414337 A, US5405152 A, US5402499 A, US5389865 A, US5386507 A, US5354162 A, US5341459 A, US5235868 A, US5223776 A, US5220260 A, US5193963 A, US5186629 A, US5185561 A, US5182557 A, US5146566 A, US5116180 A, US5103404 A, US5076517 A, US5044956 A, US4935728 A, US4907973 A, US4896554 A, US4868549 A, US4800721 A, US4477043 A, US3919691 A, EP0875819 A1, EP0626634 A2, EP0265011 A1,

Forward Citations: WO03032538, WO03032538, WO03032289, USD596645, USD553144, USD553143, USD553142, US9715798, US9715276, US9704350, US9696803, US9615002, US9607478, US9606627, US9557888, US9507421, US9448626, US9372599, US9367210, US9354783, US9330546, US9323332, US9299217, US9239700, US9208638, US9092059, US9064387, US9056244, US9019087, US8992322, US8928581, US8917234, US8909817, US8761915, US8717287, US8717152, US8700791, US8688251, US8686941, US8638308, US8576174, US8572293, US8564554, US8527873, US8441437, US8378964, US8376844, US8271105, US8260972, US8102869, US8032605, US8027349, US8020095, US8007282, US8000825, US7982711, US7979146, US7904194, US7877243, US7853645, US7843424, US7765333, US7742036, US7701438, US7623114, US7502662, US7425675, US7404716, US7369115, US7307619, US7280095, US7209028, US7208671, US7168042, US7137107, US7091948, US7039866, US7031798, US7027032, US7024666, US7024255, US6941543, US6885898, US6863536, US6803924, US6703550, US6699123, US6697086, US6563523, US6496200, US2016307414, US2015273322, US2015149904, US2013143647, US2013040723, US2012206247, US2012115611, US2011215913, US2011202155, US2011128132, US2011025648, US2011025618, US2010271295, US2010231550, US2010231541,

US2010231540, US2010231539, US2010231508, US2010231367, US2010201502, US2010167820, US2010033426, US2009289779, US2009280896, US2009231276, US2009118015, US2008291061, US2008223627, US2007193436, US2006279538, US2006129719, US2006017691, US2005246638, US2005184696, US2005004987, US2004217942, US2004161118, US2004145600, US2003067440, US2003025723, KR100914086, EP1438706, EP1437640, EP1378856, AU2012258486, AU2012204093,

Abstract:
Source: US6285351B A design interface tool for designing force sensations for use with a host computer and force feedback interface device. A force feedback device is connected to a host computer that displays the interface tool. The user selects a type of force sensation and designs and defines physical characteristics of the selected force sensation using the interface tool. A graphical representation of the characterized force sensation is displayed, which provides a visual demonstration of a feel of the characterized force sensation. The force sensation is output to a user manipulatable object of a force feedback device to be felt by the user, where the graphical representation is updated in conjunction with the output of the force sensation. The user can also associate a sound with the force sensation, such that the sound is output in conjunction with the output of the force sensation. The user can iteratively modify force sensation characteristics and feel the results, as well as synchronize force sensations with sounds.

0) WO0164481A2 – VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY...

61) Family number: 33540712 (WO0164481A2) © PatBase

Title: VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE

Priority: US20000186520P 20000302 US20000218336P 20000714 US20000234412P 20000721 US20000234412P 20000921 US20000237077P 20000930 US20000238483P 20001006 US20000243986P 20001027 US20010263680P 20010123 WO2001US06067 20010226

Family:

Publication number	Publication date	Application number	Application date
AU2001243285 AA	20010912	AU20010243285	20010226
AU200143285 A5	20010912	AU20010043285	20010226
EP1263626 A2	20021211	EP20010916237	20010226
WO0164481 A2	20010907	WO2001US06067	20010226
WO0164481 A3	20020523	WO2001US06067	20010226

Probable Assignee: DONNELLY CORP

Assignee(s):(std)**:** DONNELLY CORP

Inventor(s):(std)**:** BINGLE ROBERT L ; LYNAM NIALL R ; O BRIEN FRANK ; SCHOFIELD KENNETH

Inventor(s): ROBERT L BINGLE ; NIALL R LYNAM ; FRANK O BRIEN ; KENNETH SCHOFIELD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): B60C23/00 B60C23/04 B60K35/00 B60Q1/26 B60Q1/50 B60Q1/54 B60Q3/02 B60R1/04 B60R1/12 B60R11/02 B60R11/04 B60S1/08 G02B27/01 G06Q20/00 (Advanced/Invention); B60R11/00 B60R21/01 B60R21/015 G02B27/00 G02B6/00 (Advanced/Non–invention)

International class (IPC 1–7): B60R1/00 B60R1/12

CPC: B60R1/00 B60R1/04 B60R1/12 B60S1/0822 B60S1/0844 B60R1/02 B60R1/025 B60C23/00 B60C23/0408 B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028 B60Q1/22 B60Q1/2665 B60Q1/503 B60Q1/54 B60Q3/258 B60R1/06 B60R1/1207 B60R11/0235 B60R11/0241 B60R11/0247 B60R11/04 B60R21/01566 B60R2001/1215 B60R2001/1223 B60R2001/1253 B60R2001/1284 B60R2011/0026 B60R2011/0033 B60R2011/004 B60R2011/0082 B60R2011/0084 B60R2011/0089 B60R2011/0282 B60R2011/0288 B60R2011/0294 B60R2300/103 B60R2300/105 B60R2300/106 B60R2300/302 B60R2300/406 B60R2300/8026 B60R2300/804 B60R2300/8053 B60R2300/806 B60S1/0885 G02B6/00 G02B27/01 G02B27/0101 G02B2027/0118 G02B2027/012 H04N7/18

European class: B60C23/00 B60C23/04C B60K35/00 B60K37/06 B60Q1/22 B60Q1/26J2 B60Q1/50A B60Q1/54 B60Q3/02B12 B60R1/00 B60R1/04 B60R1/06 B60R1/12 B60R11/02E2 B60R11/02H B60R11/04 B60S1/08F2 B60S1/08F2D8 B60S1/08F2P6 G02B27/01 G02B27/01A H04N7/18 L60K350/10J5 L60K350/10J5D L60R1/12A L60R1/12B L60R1/12C L60R1/12G L60R1/12L L60R11/00P1K L60R11/00P1P L60R11/00P3 L60R11/00R6A L60R11/00R6C L60R11/00R6D3 L60R11/02G L60R11/02S L60R11/02T L60R11/02W L60R21/015R L60R300/10L L60R300/10M L60R300/10N L60R300/30G L60R300/40W L60R300/80E1 L60R300/80L L60R300/80N L60R300/80P S02B27/01A4 S02B27/01A4A S02B6/00

Classification Explorer

Cited documents: WO0018612 A1, US5956181 A, US5793308 A, US263680 P2, US243986 P2, US238483 P2, US237077 P2, US234412 P2, US218336 P2, US186520 P2, JP11078693 A2, GB2351055 A1, DE29902344 U1, DE29703084 U1,

Forward Citations: WO16139639, WO13022576, WO10127473, US9718357, US9643605, US9637053, US9609289, US9555803, US9539956, US9527445, US9446715, US9440535, US9436880, US9434314, US9428192, US9283900, US9266474, US9234989, US9233645, US9193302, US9191634, US9171217, US9090213, US9035233, US9019090, US9008369, US8993951, US8926151, US8917169, US8842176, US8818042, US8749367, US8710969, US8462204, US8309907, US8294975,

US8194133, US8179236, US8154418, US8095310, US8072318, US8044776, US7926960, US7916009, US7914188, US7906756, US7898719, US7898398, US7888629, US7871169, US7864399, US7859737, US7855755, US7832882, US7826123, US7822543, US7821697, US7815326, US7306276, US7292208, GB2417151, EP2711245, EP2711245, CN104268534, CN104268534, CN104241324, CN103770709,

Abstract:
A vehicular video mirror system includes an interior rearview mirror assembly and a video display assembly. The interior rearview mirror assembly includes a mirror casing incorporating a reflective element. The mirror assembly further includes a mirror−mounting portion. The mirror casing is adjustable about the mirror−mounting portion for adjusting the rearward field of view of the reflective element. The video display assembly includes a video screen which is incorporated in a video display housing. The display housing is adapted to be adjustable about the display−mounting portion for adjusting the orientation of the video screen and, further, for moving the display housing to a stowed position whereby the video screen is generally not viewable by a driver when seated in a vehicle seat in the vehicle to thereby minimize the distraction to the driver of the vehicle.

0) US2007083457A – SYSTEM AND METHODS FOR PRICING AND ALLOCATION O...

62) Family number: 15893004 (US2007083457A) © PatBase

Title: SYSTEM AND METHODS FOR PRICING AND ALLOCATION OF COMMODITIES OR SECURITIES

Priority: AU20010053835 20010302 AU20010053835 20010302 AU20060246486 20061130 AU20060246486 20061130 US20000187800P 20000308 AU20020353835 20021021 US20080193175 20080818 US20000668225 20000921 US20060479134 20060630 US20000668255 20000921 US20050695398P 20050630 US20020373658P 20020419 US20020372080P 20020415 US20010330092P 20011019 WO2001US40236 20010302

Family:

Publication number	Publication date	Application number	Application date
AU2001253835 AA	20010917	AU20010253835	20010302
AU2006246486 AA	20061221	AU20060246486	20061130
CA2440836 AA	20030905	CA20012440836	20010302
CN1543619 A	20041103	CN20018009110	20010302
EP1264246 A1	20021211	EP20010927379	20010302
US2007083457 AA	20070412	US20060479134	20060630
US2008306865 AA	20081211	US20080193175	20080818
US7415436 BA	20080819	US20000668255	20000921
US7644034 BB	20100105	US20080193175	20080818
US7647270 BB	20100112	US20060479134	20060630
WO0165908 A2	20010913	WO2001US40236	20010302
WO08005712 A2	20080110	WO2007US71914	20070622
WO08005712 A3	20090219	WO2007US71914	20070622

Probable Assignee: WR HAMBRECHT AND CO INC

Assignee(s):(std)**:** EVELYN MICHAEL H ; GERRISH CLIFF M ; GOLDBERG ROBERT S ; HANSSON OTHAR ; W R HAMBRECHT AND CO LLC ; HAYES JORDAN M ; OCHERET CHARLES A

Assignee(s): MONOGEN INC ; W R HAMBRECHT AND CO ; WR HAMBRECHT AND CO ; WR HAMBRECHT AND CO LLC ; WR HAMBRECHT AND CO INC

Inventor(s):(std)**:** EVELYN MICHAEL H ; GERRISH CLIFF M ; GOLDBERG ROBERT S ; GOLDBERG ROBERT S OCHERET CHAR ; HANSSON OTHAR ; HAYES JORDAN M ; MAYER WILLIAM J ; OCHERET CHARLES A ; WROBLEWSKI LUCIEN J

Inventor(s): GOLDBERG ROBERT S OCHERET CHARLES A HANSSON OTHAR ; OTHAR HANSSON ; ROBERT S GOLDBERG ; WILLIAM J MAYER ; MICHAEL H EVELYN ; CHARLES A OCHERET ; CLIFF M GERRISH ; JORDAN M HAYES ; LUCIEN J WROBLEWSKI

Agent(s): MALLESONS STEPHEN JAQUES; KING AND WOOD MALLESONS; MINTER ELLISON; SMART AND BIGGAR; BROMBERG AND SUNSTEIN LLP; SUNSTEIN KANN MURPHY AND TIMBERS LLP; SANDVOS JAY ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B01D61/18 B01D61/22 B01D63/08 B01D65/08 B01F13/04 B01F7/16 B01L3/00 B65B69/00 B65B7/16 B67B7/18 C12M1/00 C12M1/12 C12M1/34 C12N5/06 C12Q1/02 G01N1/00 G01N1/02 G01N1/10 G01N1/28 G01N1/36 G01N33/48 G01N33/483 G01N35/00 G01N35/02 G01N35/04 G06F17/00 G06Q40/00 G07F7/00 H04L12/16 H04L9/00 (Advanced/Invention);
B01F13/00 B01F7/00 B01L3/14 G01N27/22 G01N35/10 (Advanced/Non–invention);
B01D61/18 B01D61/22 B01D63/08 B01D65/00 B01F13/00 B01F7/16 B01L3/00 B65B69/00 B65B7/16 B67B7/00 C12M1/00 C12M1/12 C12M1/34 C12N5/06 C12Q1/02 G01N1/00 G01N1/02 G01N1/10 G01N1/28 G01N1/36 G01N33/48 G01N33/483 G01N35/00 G01N35/02 G01N35/04 G06Q40/00 G07F7/00 H04L9/00 (Core/Invention);

B01F7/00 B01L3/14 G01N27/22 G01N35/10 (Core/Non-invention)

International class (IPC 1-7): G06F17/00 G06F17/60 H04L12/16

CPC: G06Q40/04 G06Q30/08 G06Q40/06 G06Q50/188

European class: G06F17/60B4 G06Q30/08 G06Q40/04 G06Q40/06 G06Q50/188

US class: 235/375 705/26.3 705/27 705/37 705/37P 705/80

Classification Explorer

Cited documents: WO0051047 A2, US7092904 BA, US7062460 BA, US6718312 BA, US6631356 BA, US6629082 BA, US6629081 BA, US6606607 BA, US6604089 BA, US6519570 BA, US6493683 BA, US6317727 BA, US6285989 BA, US6272473 BA, US6269343 BA, US6216114 BA, US6161099 A, US6058379 A, US6044363 A, US6035287 A, US6026383 A, US6014627 A, US6006201 A, US5995947 A, US5946667 A, US5924083 A, US5915209 A, US5905975 A, US5905974 A, US5890138 A, US5857176 A, US5845266 A, US5835896 A, US5809483 A, US5802501 A, US5794219 A, US5794207 A, US5774880 A, US5774176 A, US5640569 A, US5502637 A, US5497317 A, US5375055 A, US5297031 A, US5243515 A, US5193056 A, US5136501 A, US5101353 A, US5077665 A, US4980826 A, US4903201 A, US4789928 A, US4346442 A, US3581072 A, US2007214056 AA, US2007150405 AA, US2007124233 AA, US2007083457 AA, US2007055606 AA, US2006282367 AA, US2006282356 AA, US2006136325 AA, US2005289043 AA, US2005131801 AA, US2005125331 AA, US2004230512 AA, US2003225645 AA, US2003050881 AA, US2002111896 AA, US2002107777 AA, US2002035534 AA, US2001034692 AA, KR3771239, KR103771239 B1,

Forward Citations: WO16014278, WO11017759, WO09051751, WO09051751, WO09002589, US9727916, US9551582, US9311670, US9159056, US9135656, US8874477, US8818891, US8805732, US8775297, US8775268, US8655770, US8645242, US8630928, US8600830, US8585490, US8583470, US8543487, US8535138, US8473393, US8447684, US8438100, US8373582, US8342942, US8271345, US8204808, US8180700, US8147313, US8128474, US8117112, US8086510, US8073745, US8060435, US8060433, US8041626, US8024228, US8005748, US7991679, US7962400, US7937318, US7925545, US7890416, US7885892, US7877314, US7870057, US7835961, US7778869, US7711628, US7698211, US7693781, US7693779, US7676423, US7647268, US7644034, US7636684, US7620590, US2016098657, US2015317731, US2015081516, US2014324602, US2013317967, US2013246240, US2013238484, US2013204768, US2013204767, US2013204766, US2013204765, US2012310811, US2012239549, US2012215673, US2012197777, US2012191591, US2012022989, US2011320363, US2011320301, US2011307345, US2011191230, US2011166983, US2011130189, US2011119174, US2010325029, US2010324969, US2010173698, US2010138334, US2010114676, US2010088250, US2010017344, US2010017322, US2010009743, US2009177555, US2009112751, US2008313027, US2008306865, US2008306854, US2008281748, US2008109342, US2008059283, US2007276744, US2007271153, US2007226127, US2007226126, US2007208642, US2007207849, US2007130053, US2007129138, US2007123336, US2007118465, US2007118464, US2007118463, US2007117624, US2007111777, US2007043649, US2006287924, US2006143109, US2005197948, US2005197939, US2005197938, US2005197857, US2005027643, US2004199451, US2003229542, US2003163405, US2003154152, US2003088495, US2002029180, US2001037284, EP2353132, CN104182895, AU2010282224, AU2010282224, AP3431,

Abstract:
Source: US2007083457A Systems and methods for conducting an auction of securities on the Web. The system and methods provide a bid mechanism whereby bidders are rewarded for priority of anonymously revealing their bids and provide an allocation of the securities which allows winning bidders to pay a single market-clearing price that sells out the securities. In addition, the systems and methods allow all participants to monitor the auction in real time.

0) WO0176708A1 – GAMING SYSTEM AND METHOD SYSTEME ET METHODE DE ...

63) Family number: 15939294 (WO0176708A1) © PatBase

Title: GAMING SYSTEM AND METHOD

Priority: US20000195626P 20000406 WO2001US11304 20010406

Family:

Publication number	Publication date	Application number	Application date
AU2001255252 AA	20011023	AU20010255252	20010406
AU200155252 A5	20011023	AU20010055252D	20010406
WO0176708 A1	20011018	WO2001US11304	20010406

Probable Assignee: ON POINT TECHNOLOGY SYSTEMS

Assignee(s):(std)**:** ON POINT TECHNOLOGY SYSTEMS

Inventor(s):(std)**:** ROBERTS BRIAN J

Inventor(s): BRIAN J ROBERTS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A63F3/06 (Advanced/Invention); A63F3/06 (Core/Invention)

International class (IPC 1–7): A63F3/06

CPC: A63F3/0645 A63F3/065

European class: A63F3/06E K63F3/06F

Classification Explorer

Cited documents: US5657899 A, US5398932 A, US5317135 A, US5222624 A,

Forward Citations: WO05050577, US9378623, US8579691, US7467738, EP1449177,

Abstract:
The gaming system operates a lottery system for a single state, or includes multiple state systems (502, 504, 510) each having many different instant–winner ticket games (32) and distributed ticket dispensers (530). A supervisory computer system is provided. A jackpot is provided which increases with the sale of each ticket in the system. The dispensers (530) have code readers (355, 357) which are used to detect the sale of each ticket (352). The game is won when the code number detected by one of the code readers (355, 357) matches the code for a jackpot winner.

64) Family number: 29776039 (US2003229263A) © PatBase

Title: TREATMENT OF PATIENTS WITH A COMPRESSIBLE ATTENUATION DEVICE

Priority:

EP20010927115 20010416 EP20060804143 20060926 EP20070015011 20010416
US20030391446 20030314 US20000197095P 20000414 US20000197096P 20000414
US20030391446 20030317 US20000723309 20001127 US20020415949P 20021003
US20030391450 20030317 US20030391448 20030317 US20070676257 20070216
US20070676248 20070216 US20070676222 20070216 US20080343120 20081223
US20080200147P 20081125 US20060527333 20060926 US20050721834P 20050926
US20030391447 20030317 US20050314601 20051220 US20030618571 20030711
WO2001US12483 20010416 WO2003US30503 20030929 US20090475918 20090601
US20090211515P 20090331 US20090625508 20091124 WO2006US37406 20060926
WO2009US65815 20091124 US20110227781 20110908 US20120660814 20121025
US20130925659 20130624 US20130088904 20131125 US20130071474 20131104
US20140512228 20141010 US20150628108 20150220 US20160237470 20160815
US20160294574 20161014

Family:

Publication number	Publication date	Application number	Application date
AT368429 E	20070815	AT20010927115T	20010416
AU2001253596 AA	20011030	AU20010253596	20010416
AU200153596 A5	20011030	AU20010053596	20010416
AU2003279005 AA	20040423	AU20030279005	20030929
AU2003279005 AH	20040423	AU20030279005	20030929
DE60129690 D1	20070913	DE20016029690	20010416
DE60129690 T2	20080717	DE20016029690T	20010416
DE60147491 D1	20130207	DE20016047491	20010416
DE602006047030 D1	20151203	DE200660047030T	20060926
EP1289448 A2	20030312	EP20010927115	20010416
EP1289448 A4	20041222	EP20010927115	20010416
EP1289448 B1	20070801	EP20010927115	20010416
EP1572285 A2	20050914	EP20030770516	20030929
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EP1844736 A1	20071017	EP20070015011	20010416
EP1844736 B1	20121212	EP20070015011	20010416
EP1940316 A2	20080709	EP20060804143	20060926
EP1940316 A4	20110511	EP20060804143	20060926
EP1940316 B1	20151021	EP20060804143	20060926
EP2367503 A1	20110928	EP20090832348	20091124
JP2003530183 T2	20031014	JP20010575883T	20010416
JP2006516001 T2	20060615	JP20050500324T	20030929
JP2009509650 T2	20090312	JP20080533505T	20060926
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B1/307 A61B17/00 A61B17/04 A61B17/221 A61B17/34 A61B17/66 A61B17/70 A61B17/82 A61B19/00 A61B5/00 A61B5/02 A61B5/03 A61B5/20 A61F2/00 A61F2/02 A61F2/04 A61F2/06 A61F2/07 A61F2/12 A61F2/14 A61F2/24 A61F2/26 A61F2/84 A61F2/95 A61F2/958 A61F9/00 A61M25/00 A61M25/10 A61M29/00 A61M29/02 A61M37/00 F16F9/00 (Advanced/Invention);
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A61F2/00 A61F2/14 A61F9/00 A61M29/00 (Core/Invention);
A61B (Subclass/Invention)

International class (IPC 1–7): A61B17/00 A61B5/00 A61B5/03 A61B5/20 A61F2/00 A61F2/02 A61M25/10 A61M37/00

CPC: A61F2/02 A61B5/6852 A61B5/72 A61B17/3468 A61M29/02 A61F2250/0059 A61M25/10 A61F2/06 A61B2017/00243 A61F2/0063 A61F2/07 A61F2/89 A61F2/90 A61F2002/068 A61F2220/005 A61F2220/0058 A61F2250/0013 A61M2025/0076 A61M2210/1078 A61M2210/1085 A61B17/0401 A61B17/221 A61B17/32056 A61B17/3478 A61B17/66 A61B17/70 A61B17/7065 A61B17/7098 A61B17/82 A61B18/1442 A61B2017/00539 A61B2017/00557 A61B2017/00858 A61B2017/0435 A61B2017/22035 A61B2017/22062 A61B2017/2215 A61F2/0059 A61F2/10 A61F2/12 A61F2/2481 A61F2/26 A61F5/0013 A61F9/00781 A61F13/20 A61F13/26 A61F2002/30617 A61F2002/3071 A61F2250/0067 A61F2250/0068 A61F2250/0085 A61F2250/0097 A61M25/00 A61M25/04 A61M2025/1054 A61F2/95 A61B90/02 A61F2/004 A61F2/042 A61M25/1002 A61F2/0027 A61B1/307 A61B5/205 A61B17/00234

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US class: 1/1 128/897 128/897S 600/29 600/29P 600/30 600/30P 600/31 600/561 604/174 604/500 604/517 604/97.02 606/192 606/192P 606/192S 606/194 606/194P 606/204.25 606/204.250P 623/1.1 623/1.100S 623/4.1 623/4.100P

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Abstract:
Source: US2003229263A Disclosed herein are methods of treating a patient, comprising providing a compressible attenuation device that is moveable from a first, introduction configuration to a second, implanted configuration. The attenuation device is introduced into a treatment site. In one embodiment, the treatment site is the bladder. In another embodiment, the treatment site is the abdominal cavity. The volume of the attenuation devices changes in response to pressure changes in the treatment site and attenuates pressure changes in the bladder.

0) US2002014951A – REMOTE CONTROL FOR A HOSPITAL BED

65) Family number: 42244894 (US2002014951A) © PatBase

Title: REMOTE CONTROL FOR A HOSPITAL BED

Priority:

EP20020756914 20020802 EP20100003711 20020802 JP20020589925 20020515
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Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B1/03 A47B1/05 A47B23/00 A47B23/04 A47B23/06 A47B37/00 A47B9/20 A47C23/00 A47C31/00 A47F5/00 A61B19/00 A61B5/00 A61B5/0205 A61B5/0402 A61B5/08 A61B5/11 A61B5/145 A61G10/04 A61G11/00 A61G12/00 A61G5/00 A61G5/02 A61G7/05 A61H3/00 A61H3/04 A61J1/14 A61J7/04 A61M16/00 A61M5/00 A61N1/39 G01M1/38 G05B15/02 G06F1/00 G06F17/00 G06F19/00 G06F3/048 G06Q10/00 G06Q10/10 G06Q30/04 G06Q50/00 G06Q50/22 G06Q50/24 G08B13/00 G08B13/14 G08B21/02 G08B21/04 G08B23/00 G08B25/00 G08B25/04 G08B25/10 G08B3/10 G08B5/22 (Advanced/Invention);
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US class: 1/1 108/140 108/141 108/143 108/147.2 108/147.200S 108/49 108/50.01 108/50.010P 108/50.02 108/50.020P 108/50.11 108/50.110P 128/903 128/904 128/922 128/922S 248/276.1 248/917 300/301 312/209 312/209S 312/298 312/298S 340/12.22 340/12.51 340/12.53 340/286.01 340/286.010S 340/286.06 340/286.07 340/286.070S 340/4.11 340/4.34 340/5.8 340/5.800P 340/501 340/506 340/506S 340/525 340/531 340/531S 340/539.12 340/539.13 340/539.23 340/540 340/540P 340/541 340/541P 340/573.1 340/573.100P 340/573.100S 340/573.4 340/573.400P 340/573.400S 340/58 340/691.6 340/691.600P 340/693.6 340/8.1 340/8.100S 340/815.49 340/815.69 340/825.19 340/825.49 340/825.52 340/825.69 340/9.1 345/26 345/733 348/159 348/827 361/600 361/600S 361/679.21 361/679.4 361/681 5/600 5/603 5/655 5/658 5/658P 600/21 600/21P 600/22 600/22P 600/300 600/301 600/483 600/523 700/275 705/3 705/3P 707/9 707/999.009 715/733 715/733S 715/835 715/835P 725/78 725/78S

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CN102396888, AU2011201894, AU2010300816, AU2007358994, AU2005233945,

AU2004224883,

Abstract:
Source: US2002014951A A remote control system includes beds, remote controls, and a master station in communication with the beds and the remote controls. Each bed is adapted to receive requests from a patient associated with the bed, and each remote control is adapted to present requests to a caregiver associated with the remote control. The master station is adapted to receive a nurse call request from a patient via a bed, to identify a remote control that is associated with a caregiver for the patient, and to transmit the nurse call request to the remote control identified as being associated with the caregiver for the patient.

0) US2002003571A – VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY...

66) Family number: 33540299 (US2002003571A) © PatBase

Title: VIDEO MIRROR SYSTEMS INCORPORATING AN ACCESSORY MODULE

Priority: US20000186520P 20000302 US20000218336P 20000714 US20000234412P 20000721 US20000238483P 20001006 US20000237077P 20000930 US20000234412P 20000921 US20000243986P 20001027 US20010793002 20010226 US20010263680P 20010123

Family:

Publication number	Publication date	Application number	Application date
US2002003571 AA	20020110	US20010793002	20010226
US6690268 BB	20040210	US20010793002	20010226

Probable Assignee: DONNELLY CORP

Assignee(s):(std)**:** BINGLE ROBERT L ; DONNELLY CORP ; LYNAM NIALL R ; O BRIEN FRANK ; SCHOFIELD KENNETH

Inventor(s):(std)**:** BINGLE ROBERT L ; LYNAM NIALL R ; O BRIEN FRANK ; SCHOFIELD KENNETH

International class (IPC 8–9)**:** B60C23/00 B60C23/04 B60K35/00 B60Q1/26 B60Q1/50 B60Q1/54 B60Q3/02 B60R1/04 B60R1/12 B60R11/02 B60R11/04 B60S1/08 G02B27/01 G06Q20/00 (Advanced/Invention); B60R11/00 B60R21/01 B60R21/015 G02B27/00 G02B6/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B60Q1/00 H04N7/18

CPC: B60R1/00 B60R1/04 B60R1/12 B60S1/0822 B60S1/0844 B60R1/02 B60R1/025 B60C23/00 B60C23/0408 B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028 B60Q1/22 B60Q1/2665 B60Q1/503 B60Q1/54 B60Q3/258 B60R1/06 B60R1/1207 B60R11/0235 B60R11/0241 B60R11/0247 B60R11/04 B60R21/01566 B60R2001/1215 B60R2001/1223 B60R2001/1253 B60R2001/1284 B60R2011/0026 B60R2011/0033 B60R2011/004 B60R2011/0082 B60R2011/0084 B60R2011/0089 B60R2011/0282 B60R2011/0288 B60R2011/0294 B60R2300/103 B60R2300/105 B60R2300/106 B60R2300/302 B60R2300/406 B60R2300/8026 B60R2300/804 B60R2300/8053 B60R2300/806 B60S1/0885 G02B6/00 G02B27/01 G02B27/0101 G02B2027/0118 G02B2027/012 H04N7/18

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Abstract:
Source: US2002003571A A vehicular video mirror system includes an interior rearview mirror assembly and a video display assembly. The interior rearview mirror assembly includes a mirror casing incorporating a reflective element. The reflective element has a rearward field of view when the interior rearview mirror assembly is mounted in a vehicle. The mirror assembly further includes a mirror−mounting portion, which is adapted to mount the interior rearview mirror assembly at an interior portion of the vehicle, such as a windshield portion or a header portion. The mirror casing is adjustable about the mirror−mounting portion for adjusting the rearward field of view of the reflective element. The video display assembly includes a video screen which is incorporated in a video display housing. The video display assembly also includes a display−mounting portion, which is adapted to mount the video display assembly at the interior portion of the vehicle. The display housing is adapted to be adjustable about the display−mounting portion for adjusting the orientation of the video screen and, further, for moving the display housing to a stowed position whereby the video screen is generally not viewable by a driver when seated in a vehicle seat in the vehicle to thereby minimize the distraction to the driver of the vehicle.

67) Family number: 30161462 (US2002018009A) © PatBase

Title: System and method of preventing aircraft wing damage

Priority: US20000203564P 20000511 US20010854028 20010511 US20020245909 20020915 US20020394160P 20020701 US20030612225 20030701 US20030612221 20030701 US20070700704 20070130 US20030612686 20030701 US20040909106 20040730 US20030612777 20030701

Family:

Publication number	Publication date	Application number	Application date
US2002018009 AA	20020214	US20010854028	20010511
US2004004559 AA	20040108	US20030612777	20030701
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US7198341 BA	20070403	US20030612221	20030701

Probable Assignee: RASTAR CORP

Assignee(s):(std)**:** RAST RODGER H ; RASTAR CORP

Inventor(s):(std)**:** RAST RODGER H

Inventor(s): RAST RODGER

Agent(s): RODGER H RAST; RASTAR CORP; RODGER H

International class (IPC 8–9)**:** B41J3/00 B63B22/16 B64D47/04 B65D1/02 B65D5/54 G02B27/01 G06F3/00 G06F3/01 G06F3/02 G06F3/023 G06F3/033 G06F3/048 G06T5/00 G08G5/06 G09B21/00 G09G5/00 G11B27/10 G11B7/24 H04N7/14 (Advanced/Invention); H04N1/10 H04N1/193 (Advanced/Non–invention); B41J3/00 B63B22/00 B64D47/00 B65D1/02 B65D5/54 G02B27/01 G06F3/00 G06F3/01 G06F3/02 G06F3/023 G06F3/033 G06F3/048 G06T5/00 G08G5/00 G09B21/00 G09G5/00 G11B27/10 G11B7/24 H04N7/14 (Core/Invention); H04N1/10 H04N1/191 (Core/Non–invention)

International class (IPC 1–7)**:** B64D47/06 G06T11/60 G08B5/22 G08G3/00 G08G5/04 H03K17/94 H03M11/00 H04N7/14

CPC: B64D47/04 G08G5/0021 G08G5/065 G02B27/017 B41J3/4071 B41J3/4076 G09F3/00 B63B22/16 B63B22/163 B63B22/166 G11B27/105 H04N7/147 H04N21/4223 H04N21/4622 H04N21/47205 H04N21/4788 G06F3/002 G06F3/012 G06F3/0202 G06F3/021 G06F3/0219 G06F3/0233 G06F3/03549 G06F3/04892 G09B21/002 G09B21/006 H04N1/1017 H04N1/193 H04N2201/0422

European class: B41J3/407C B41J3/407N B63B22/16B B64D47/04 B65D1/02D3 B65D5/54 G02B27/01C G06F3/00B G06F3/00B8D G06F3/01B2 G06F3/023A4 G06F3/023A5 G06F3/023M G06F3/02A G06F3/02A3 G06F3/02A5 G06F3/033Z8D4 G06F3/0354T G06F3/0489C G08G5/00B2 G08G5/06E G09B21/00B2 G09B21/00B4 G09F3/00 G11B27/10A1 H04N21/4223 H04N21/462S H04N21/472E H04N21/4788 H04N7/14A3 T04N1/10F2 T04N1/193 T04N201/04B9

US class: 340/435 340/815.45 340/815.450P 340/932.2 340/945 340/946 340/958 340/961 340/981 340/983 340/983S 340/985 341/22 341/22S 341/34 341/34P 345/179 345/632 345/632P 347/4 348/14.01 348/14.010S 348/E7.081 348/E70.81S 362/470 369/275.2 G9B/27.019 G9B/27.019S

Classification Explorer

Cited documents: US6994459 BB, US6963293 BA, US6912313 BB, US6908702 BB, US6798834 BA, US6756695 BB, US6753830 BB, US6525668 BA, US6486798 BB, US6439752 BA, US6400285 BA, US6278382 BA, US6011493 A, US5982299 A, US5824978 A, US5740267 A, US5719568 A, US5315296 A, US5311175 A, US5065687 A, US4916445 A, US4717991 A, US4527158 A, US4495549 A, US4367514 A, US4352023 A, US4151051 A, US3235838 A, US2003107760 AA, US2003037335 AA, US2003004772

AA, US2002198732 AA,

Forward Citations: WO16015089, WO14179164, WO14047630, WO14047630, WO13096572, WO11151811, WO11095660, WO10141043, WO09075648, WO07117470, WO07117470, WO07087016, WO07061913, WO06123333, WO06123332, WO06121939, WO06121939, WO06082266, USD778753, USD778752, USD706208, USD564111, USD561235, US9704502, US9704364, US9677893, US9677738, US9669944, US9659336, US9656400, US9639722, US9624900, US9606234, US9591264, US9582987, US9581997, US9581692, US9575174, US9568355, US9566911, US9560843, US9560309, US9550453, US9518830, US9503685, US9489086, US9472109, US9471063, US9469416, US9454270, US9431189, US9407524, US9400593, US9390424, US9367097, US9350183, US9322908, US9313379, US9288088, US9282287, US9262800, US9246960, US9243950, US9239288, US9229101, US9227732, US9210377, US9207675, US9207319, US9203243, US9154893, US9135830, US9134338, US9129460, US9129159, US9110590, US9110499, US9108709, US9104260, US9098998, US9098083, US9092033, US9091762, US9090341, US9090326, US9082299, US9069390, US9068838, US9067565, US9052717, US9050527, US9035600, US9013507, US8992225, US8983768, US8982944, US8977250, US8976709, US8963702, US8958942, US8956023, US8956022, US8928463, US8890717, US8890673, US8823739, US8820683, US8803710, US8762866, US8736680, US8698016, US8694020, US8692655, US8665138, US8659439, US8643603, US8630768, US8624953, US8620354, US8599368, US8583511, US8566984, US8564456, US8553501, US8552834, US8521828, US8521601, US8517579, US8514181, US8493323, US8489213, US8487995, US8475162, US8473835, US8469019, US8424048, US8423487, US8419434, US8419433, US8358211, US8342847, US8332661, US8323026, US8289191, US8264377, US8233838, US8233028, US8228364, US8223187, US8193768, US8175382, US8165282, US8139026, US8132629, US8123377, US8117695, US8104123, US8081214, US8078235, US8077179, US8044989, US8015725, US8006904, US8006406, US7996551, US7971368, US7952329, US7940024, US7932838, US7921577, US7882172, US7839293, US7835371, US7772802, US7755515, US7752980, US7706576, US7689913, US7602081, US7598901, US7579269, US7564476, US7549581, US7527198, US7526378, US7460150, US7457582, US7434970, US7419101, US7397932, US7394356, US7391338, US7357333, US7355302, US7350716, US7314296, US7248167, US7227567, US7187462, US6995662, US6963293, US6926199, US6897781, US6853313, US2017082455, US2017069324, US2017066363, US2016332729, US2016280368, US2016132318, US2016035193, US2016001705, US2015378361, US2015278969, US2015269847, US2015253178, US2015213721, US2015061375, US2014361887, US2014358009, US2014316586, US2014240150, US2014213359, US2014125476, US2013345906, US2013321193, US2013321192, US2013293396, US2013278445, US2013254665, US2013215722, US2013212694, US2013110323, US2013100688, US2013048793, US2013041526, US2013002823, US2012256765, US2012253555, US2012239205, US2012223961, US2012161697, US2012134236, US2012133729, US2012075192, US2012019444, US2012013272, US2011254725, US2011251982, US2011241926, US2011211810, US2011198997, US2011145739, US2011136476, US2011126823, US2011126822, US2011125976, US2011125708, US2011104488, US2011095896, US2011044605, US2011040655, US2010309971, US2010302072, US2010219988, US2010218405, US2010171705, US2010153850, US2010148967, US2010123599, US2010103628, US2010081452, US2010064371, US2010062754, US2010057229, US2010046241, US2010017818, US2010001863, US2009300845, US2009289804, US2009259689, US2009259688, US2009259687, US2009258332, US2009258331, US2009251530, US2009218985, US2009213218, US2009207248, US2009077592, US2009070476, US2009063084, US2009046157, US2009027479, US2008319561, US2008297323, US2008279467, US2008278325, US2008275630, US2008272915, US2008270230, US2008263889, US2008262670, US2008258931, US2008258679, US2008255722, US2008230610, US2008181376, US2008158012, US2008144610, US2008136895, US2008129116, US2008095443, US2008094258, US2008062011, US2008061978, US2008060216, US2008047160, US2008034321, US2008030360, US2008028633, US2008017426, US2007268824, US2007241918, US2007169267, US2007163472, US2007157376, US2007156337, US2007139181, US2007136694, US2007132664, US2007114223, US2007064525, US2007056871, US2007035664, US2007023210, US2007008322, US2006287829, US2006277462, US2006255123, US2006255122, US2006247831, US2006208925, US2006197538, US2006184295, US2006125786, US2006121893, US2006097858, US2006054693, US2006046707, US2006026626, US2006026255, US2006023685, US2005246078, US2005201112, US2005138857, US2005122727, US2005109828, US2005078947, US2005058435, US2005007257, US2004222902, US2004208499, US2004198081, US2004189475, US2004164958, US2004113815, US2004113791, KR101069675, KR100945065, JP5599598, JP2012507434, JP2010120631, JP2009532988, ITMO20130176, ES2376935, ES2257970, EP3095710, EP2859399, EP2701115, EP2669706, EP2669706, EP2549329, EP2549329, EP2187372, EP2019550, EP2008367, EP2008367, EP1983751, DE102005047332, CN105899337, CN104334453,

CN104054115, CN102725750, CN102525781, CN102375545, AU2007235464, AU2007231680,

Abstract:
Source: US2002018009A An apparatus and method for tracking aircraft wingtip position during taxi operations to prevent collisions with nearby obstructions. A patterned illumination source is attached proximal the wingtips to project a readily discernable target pattern in the direction of taxi travel. At least a portion of the target pattern is reflected off of any obstructions that lie in the straight−line direction of travel, such that the pilot can maneuver to avoid striking the obstruction. By way of example, the patterned illumination source comprises a laser module positioned with the navigation and/or strobe light of the aircraft that is configured to project a circular pattern in front of the wingtip. The device may be retrofitted to existing aircraft without additional wiring with the control of activation being selectable via power cycling of existing aircraft lighting controls.

68) Family number: 32222027 (US2002030712A) © PatBase

Title: PRINTING CARTRIDGE WITH AN INTEGRATED CIRCUIT DEVICE

Priority:

AU19970007979	19970712	AU1997PO07979	19970715	AU20050200211	20050118
AU20020344712	20020709	AU20050202042	20050512	AU1997PO07991	19970715
US20020485740	20020709	US20020322687	20021219	US19980113053	19980710
US20000607993	20000630	WO2002AU00914	20020709	US20010922036	20010806

Family:

Publication number	Publication date	Application number	Application date
AU2002344712 AA	20030224	AU20020344712	20020709
AU2002344712 BB	20041021	AU20020344712	20020709
AU2005200211 AA	20050203	AU20050200211	20050118
AU2005200211 BB	20050224	AU20050200211	20050118
AU2005202042 AA	20050602	AU20050202042	20050512
AU2005202042 BB	20050630	AU20050202042	20050512
CA2456739 AA	20040206	CA20022456739	20020709
CN1299913 C	20070214	CN20028019804	20020709
CN1558829 A	20041229	CN20028019804	20020709
EP1425178 A1	20040609	EP20020742540	20020709
EP1425178 A4	20060419	EP20020742540	20020709
JP2004536736 T2	20041209	JP20030518836T	20020709
NZ531183 A	20050826	NZ20020531183	20020709
US2002030712 AA	20020314	US20010922036	20010806
US2004004651 AA	20040108	US20020322687	20021219
US2005162455 AA	20050728	US20020485740	20020709
US6547364 BB	20030415	US20010922036	20010806
US6953235 BB	20051011	US20020322687	20021219
WO03013865 A1	20030220	WO2002AU00914	20020709
ZA200400868 A	20041006	ZA20040000868	20040203

Probable Assignee: MEMJET TECHNOLOGY LTD

Assignee(s):(std)**:** SILVERBROOK KIA ; SILVERBROOK RES PTY LTD ; SILVERBROOK RESEARCH PTY LTD

Assignee(s): SILVERBROOK RESEARCH PTYLTD ; ZAMTEC LTD ; SILVERBROOK RESEARCH LTD ; SILVERBROOK RESEARCH PTY LIMITED ; MEMJET TECHNOLOGY LTD

Inventor(s):(std)**:** KIA SILVERBROOK ; SILVERBROOK KIA

Agent(s): SILVERBROOK RESEARCH PTY LTD; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; OYEN WIGGS GREEN AND MUTALA LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B41J11/00 B41J11/70 B41J15/04 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 B42D15/10 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 G11C11/56 H04N1/00 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Advanced/Invention); B41J2/165 (Advanced/Non–invention); B41J2/175 (Core/Invention)

International class (IPC 1–7): B41J2/01 B41J2/175 B41J29/393

CPC:

H01L2924/0002 B41J2/14 B41J2/14427 B41J2/16 B41J2/1623 B41J2/1626 B41J2/1628 B41J2/1629 B41J2/1631 B41J2/1632 B41J2/1635 B41J2/1637 B41J2/1642 B41J2/1645 B41J2/1646 B41J2/16585 B41J2/17503 B41J2/17513 B41J2/17526 B41J2/17553 B41J2/17596 B41J3/44 B41J11/0005 B41J15/044 B41J2002/041 B41J2202/21 B82Y30/00 G06F21/79 G06F21/86 G06F2221/2129 G06K1/121 G06K7/14 G06K7/1417 G06K19/06037 G06K19/06046 G06K19/073 G11C11/56 H01L23/576 H04N1/00127 H04N1/00326 H04N1/0044 H04N1/00965 H04N1/2112 H04N1/2154 H04N1/32133 H04N5/2628 H04N2101/00 H04N2201/0008 H04N2201/3222 H04N2201/3261 H04N2201/3264 H04N2201/3269 H04N2201/3276 H04N2201/328 B41J2/01 B41J29/393 G06K19/06 H03B29/00 B41J2/17546 H04N5/225

European class: B41J11/00A B41J11/70 B41J15/04 B41J15/04C B41J2/14 B41J2/14S B41J2/16 B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M7S B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/175C B41J2/175C2 B41J2/175C4 B41J2/175C7E B41J2/175C8 B41J3/42B B41J3/44 B41J3/44B B82Y30/00 G06F21/79 G06F21/86 G06K1/12B G06K19/06C3 G06K19/06C5 G06K19/073 G06K7/14 G06K7/14A2C G11C11/56 H01L23/57B H04N1/00C22 H04N1/00D3D4 H04N1/00W1 H04N1/21B3 H04N1/21B3H H04N1/32C17B H04N5/225 H04N5/262T L41J2/04M L41J2/165L L41J2/175P L41J202/21 S06F221/2129 T04N1/00C T04N101/00 T04N201/00C T04N201/32C12 T04N201/32C3H T04N201/32C5 T04N201/32C5S T04N201/32C6 T04N201/32C9B

US class: 347/19 347/19P 347/86 347/86P 347/86S 348/E05.024 348/E05.055 348/E5.024 348/E5.055 348/E50.24S 348/E50.55S

Classification Explorer

Cited documents: WO9852762 A2, US6953325 BB, US6736477 BB, US6702417 BB, US6618078 BA, US6547364 BB, US6378997 BA, US6362868 BA, US6304825 BA, US6297872 BA, US6267522 BA, US6238044 BA, US6231173 BA, US6227643 BA, US6222452 BA, US6217165 BA, US6188417 BA, US6161915 A, US6014008 A, US6000773 A, US5995772 A, US5992994 A, US5975677 A, US5961226 A, US5949467 A, US5923942 A, US5860363 A, US5847836 A, US5812156 A, US5792249 A, US5788388 A, US5757394 A, US5467118 A, US5398131 A, US5231688 A, US5049898 A, US4937676 A, US4868676 A, US4748668 A, US4405829 A, US2004177905 AA, US2001007458 AA, JP8290817 A2, JP2001117743 A2, JP2001/1117743, JP10129049 A2, GB2354202 A1, EP1114726 A1,

Forward Citations: USD788844, USD787590, USD787589, USD787588, USD787587, US9584681, US9560221, US9544451, US9487015, US9432529, US9381740, US9357102, US9338312, US9237244, US9219832, US9218235, US9203980, US9197767, US9191530, US9191529, US9185247, US9185246, US9179020, US9168761, US9167109, US9154648, US9154647, US9148530, US9143636, US9143635, US9137398, US9137397, US9131083, US9124737, US9124736, US9124735, US9116641, US9113010, US9113009, US9113008, US9113007, US9108430, US9106775, US9100516, US9088675, US9083830, US9083829, US9060128, US9060081, US9055221, US9049318, US9044965, US9036162, US9013717, US8953178, US8953061, US8953060, US8947679, US8947592, US8937727, US8936196, US8934053, US8934027, US8928897, US8922791, US8922670, US8913182, US8913151, US8913137, US8908075, US8908069, US8908051, US8902357, US8902340, US8902333, US8902324, US8896724, US8896720, US8891008, US8890970, US8890969, US8885180, US8885179, US8878953, US8872952, US8866926, US8866923, US8854538, US8854494, US8854493, US8854492, US8836809, US8823823, US8810723, US8789939, US8708441, US8587798, US8491076, US8485651, US8459768, US8439497, US8434858, US8421869, US8398216, US8387889, US8376533, US8366244, US8366236, US8348386, US8332934, US8292406, US8285137, US8274665, US8251501, US8251499, US8240825, US8235502, US8220900, US8176549, US8162466, US8109616, US8102568, US8100502, US8099791, US8098285, US8096642, US8089652, US8079700, US8079684, US8079683, US8079664, US8075110, US8070266, US8069478, US8069477, US8057023, US8047639, US8042922, US8025381, US8025380, US8020976, US8016503, US8016402, US8007087, US8007083, US8007065, US8006914, US8002394, US8002393, US7988247, US7987615, US7976142, US7976137, US7971978, US7971960, US7959274, US7954920, US7950792, US7950784, US7946697, US7946679, US7938530, US7938519, US7938518, US7934789, US7934494, US7914140, US7914136, US7887169, US7857436, US7856554, US7798612, US7798594, US7789501, US7773125, US7738137, US7637578, US7589850, US7585043, US7543915, US7483053, US7434053, US7387370, US7303264, US7293359, US7280772, US7280251, US7275800, US7240995, US7193482, US7182445, US7152939, US7099028, US7052117, US6953235, US2015134898, US2013271535, US2013070301, US2011096123, US2011084130, US2011004768, US2011004746, US2011002002, US2010283817, US2010277556, US2010265288, US2010245503, US2010231665, US2010231642, US2010225700, US2010220126, US2010214381, US2010208012,

US2010207999, US2010201740, US2010195133, US2010194833, US2010194832, US2010194831, US2010182387, US2010182372, US2010177135, US2010165059, US2010165037, US2010154891, US2010149230, US2010134575, US2010134553, US2010128094, US2010123766, US2010091077, US2010053273, US2010039484, US2010039475, US2010039470, US2009303302, US2009303301, US2009303300, US2009295864, US2009262154, US2009251737, US2009244218, US2009237472, US2009237471, US2009220077, US2009213176, US2009195599, US2009195597, US2009195592, US2009185014, US2009147061, US2009122109, US2009102904, US2009073244, US2009058957, US2009009571, US2008297572, US2008291250, US2008273065, US2008252747, US2008198202, US2008192079, US2008185774, US2008158319, US2008151015, US2008143799, US2008127506, US2008117271, US2008111870, US2008110355, US2008088683, US2008024559, US2008002006, US2007057982, US2007035566, US2007022294, US2006190324, US2006140647, US2006114487, US2006023249, US2005243142, US2005243141, US2005243118, US2005212831, US2005206672, US2005162455, US2005157128, US2005157125, US2005157112, US2005157000, US2005146583, US2005060546, US2004212651, US2004125397, US2004004651, US2003016382, TWI320754, JP2010042629, JP2007116215, CN103946713, CN103946713, CN102173229,

Abstract:
Source: US2002030712A A printing cartridge includes a housing. An integrated circuit device is positioned on the housing. The integrated circuit device has memory circuitry that carries data relating to at least one of: a serial number of the cartridge, a media and a media colorant.

0) US2002054021A – DESIGNING FORCE SENSATIONS FOR FORCE FEEDBACK C...

69) Family number: 31808533 (US2002054021A) © PatBase

Title: DESIGNING FORCE SENSATIONS FOR FORCE FEEDBACK COMPUTER APPLICATIONS

Priority: US19950566282 19951201 US19970846011 19970425 US19970877114 19970617 US20000734630 20001211

Family:

Publication number	Publication date	Application number	Application date
US2002054021 AA	20020509	US20000734630	20001211
US6697086 BB	20040224	US20000734630	20001211

Probable Assignee: IMMERSION DELAWARE CORPORATION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): IMMERSION DELAWARE CORP CORP ; IMMERSION DELAWARE CORPORATION CORP ; IMMERSION HUMAN INTER CE CORP FA ; IMMERSION HUMAN INTERFACE CORP ; IMMERSION (DELAWARE CORPORATION) CORP

Inventor(s):(std)**:** CHANG DEAN C ; ROSENBERG LOUIS B

International class (IPC 8–9)**:** G05G9/047 G06F3/00 G06F3/01 G06F3/033 G06F3/038 (Advanced/Invention)

International class (IPC 1–7)**:** G09G5/00 G09G5/08

CPC: G06F3/016 A63F2300/1025 A63F2300/1037 G05G9/047 G05G2009/04766 G05G2009/04777 G06F3/03543 G06F3/0383 G06F2203/014 G06F2203/015 H01H2003/008

European class: G05G9/047 G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D1 G06F3/033Z9 G06F3/0354M G06F3/038E K63F300/10D K63F300/10F S05G9/047F S05G9/047P S06F203/014 S06F203/015 T01H3/00F

US class: 345/161 345/161P 345/700 345/701 715/700 715/701

Classification Explorer

Cited documents: US6292170 BA, US6285351 BA, US6169540 BA, US5959613 A, US5785630 A, US5766016 A, US5547382 A, US5466213 A, US5334027 A, US5309140 A, US5299810 A, US5275174 A, US5271290 A, US5240417 A, US5212473 A, US5078152 A, US5038089 A, US5035242 A, US5022407 A, US5019761 A, US4934694 A, US4930770 A, US4891764 A, US4794392 A, US4713007 A, US4708656 A, US4599070 A, US4581491 A, US4513235 A, US4236325 A, US4160508 A, US3911416 A, US3903614 A, US3902687 A, US3623064 A, US3517446 A, US3497668 A, US3220121 A, US3157853 A, EP0349086 A1,

Forward Citations: USD771079, USD771078, USD757053, USD742891, US9720501, US9696803, US9626059, US9619030, US9612659, US9588684, US9588683, US9557915, US9557813, US9552065, US9545335, US9524025, US9495055, US9477308, US9448630, US9430074, US9423875, US9405417, US9372565, US9372539, US9367132, US9298262, US9298261, US9280224, US9274612, US9239623, US9229571, US9207795, US9128525, US9116617, US9098141, US9075525, US9063627, US9056244, US9052790, US9035898, US9019228, US9013417, US8970403, US8947383, US8928621, US8922510, US8922503, US8922502, US8723832, US8717326, US8717287, US8704790, US8704649, US8619035, US8587548, US8587541, US8570295, US8553005, US8547339, US8456438, US8411035, US8279053, US8010942, US7843424, US7724239, US6863536, US2014303922, US2011288470, US2011163860, US2011018696, US2010231550, US2010231541, US2010231540, US2010231539, US2010231508, US2010231367, US2010201502, US2010164866, US2006187202, US2006187201, US2006073455, US2004239617, US2004166934, US2004085294, US2002080150, TWI397851, EP2102849, EP1416359,

Abstract:
Source: US2002054021A A design interface tool for designing force sensations for use with a host computer and force feedback interface device. A force feedback device is connected to a host computer that displays the interface tool. Input from a user is received in the interface to select a type of force sensation to be commanded by a host computer and output by a force feedback interface device. Input, such as parameters, is then received

from the user which designs and defines physical characteristics of the selected force sensation. A graphical representation of the characterized force sensation is displayed on the host computer which provides a visual demonstration of a feel of the characterized force sensation so that the user can view an effect of parameters on said force sensation. The characterized force sensation is output to a user manipulatable object of the force feedback device so that the user can feel the designed force sensation, where the graphical representation is updated in conjunction with the output of the force sensation. The user can iteratively modify force sensation characteristics and feel the results, and store the characterized force sensations.

0) US2002139613A – COMBINED TRAILER AND HUNTING STAND OPERABLE BET...

70) Family number: 28329886 (US2002139613A) © PatBase

Title: COMBINED TRAILER AND HUNTING STAND OPERABLE BETWEEN ELEVATED AND COLLAPSED POSITIONS

Priority: US20010812790 20010315

Family:

Publication number	Publication date	Application number	Application date
US2002139613 AA	20021003	US20010812790	20010315
US6460653 BA	20021008	US20010812790	20010315

Probable Assignee: HARDY MORGAN D

Assignee(s):(std)**:** HARDY MORGAN D ; HARDY RONALD M

Inventor(s):(std)**:** HARDY RONALD M ; HARDY MORGAN D

International class (IPC 8–9): A01M31/02 B60P1/02 (Advanced/Invention); A01M31/00 B60P1/02 (Core/Invention)

International class (IPC 1–7): E04C1/00 E06C1/00

CPC: A01M31/02 B60P1/02

European class: A01M31/02 B60P1/02

US class: 182/63.1 182/631 182/69.5 182/695

Classification Explorer

Cited documents: US6158550 A, US610602 A, US5645292 A, US5595265 A, US5564523 A, US5409081 A, US5297844 A, US5297653 A, US5295555 A, US5105908 A, US5102179 A, US4657113 A, US4491449 A, US3889778 A, US3664459 A, US2978062 A, US2972392 A, US2402579 A, US1031818 A,

Forward Citations: WO17065787, WO04009423, WO04009423, USD667757, USD519647, US9688466, US9669690, US9630666, US9381795, US9340138, US8789548, US8706359, US8376083, US8172265, US8151934, US7909139, US7815015, US7770913, US7735605, US7726690, US7523587, US7513333, US7255526, US7249655, US7194842, US7014238, US6978862, US6945743, US6916058, US6659913, US2017156309, US2017015535, US2014064894, US2012211304, US2011101719, US2009107762, US2009101438, US2008307717, US2008302602, US2008302601, US2008149420, US2008084037, US2007283364, US2007180788, US2007169996, US2007151807, US2007089930, US2007074933, US2007054788, US2007029136, US2006260871, US2006086569, US2006008886, US2005281649, US2005274573, US2005194807, US2005091941, US2005067853, US2004195042, US2002091038, EP3155900, EP2477932,

Abstract:
Source: US2002139613A A portable, collapsible hunting box enclosure is constructed on a wheeled trailer. The hunting box enclosure may be raised and lowered through a scissor action support structure mounted on the trailer and powered by an electric winch. When the enclosure is to be transported, hinged wall panels enable the box to be folded and collapsed into a flat stack within the trailer. Once collapsed, reinforced wire panels or runners mounted on side members of the trailer rotate inward to overlay the collapsed box, providing a platform upon which an ATV may be loaded. The hunting stand/trailer combination may then be towed, with the ATV loaded thereon, by a full–size motor vehicle. Upon reaching a hunting area, the ATV may be unloaded and used to tow the hunting stand/trailer combination to a specific hunting site where the collapsed box is unfolded, to erect the enclosure, and elevated using the scissor action support structure.

0) US2002163498A – DESIGN OF FORCE SENSATIONS FOR HAPTIC FEEDBACK ...

71) Family number: 31808639 (US2002163498A) © PatBase

Title: DESIGN OF FORCE SENSATIONS FOR HAPTIC FEEDBACK COMPUTER INTERFACES

Priority: US19970846011 19970425 US19970877114 19970617 US19990243209 19990202 US20010947213 20010904 US19990270223 19990315 US20000734630 20001211

Family:

Publication number	Publication date	Application number	Application date
US2002163498 AA	20021107	US20010947213	20010904
US7091948 BB	20060815	US20010947213	20010904

Probable Assignee: IMMERSION CORP

Assignee(s):(std)**:** IMMERSION CORP

Assignee(s): MALLETT JEFFREY R ; ROSENBERG LOUIS B ; CHANG DEAN C

Inventor(s):(std)**:** CHANG DEAN C ; MALLETT JEFFREY R ; ROSENBERG LOUIS B

Agent(s): KILPATRICK STOCKTON LLP

International class (IPC 8–9): G06F3/00 G06F3/01 G06F3/033 G06T11/20 G09G5/00 (Advanced/Invention)

International class (IPC 1–7): G09G5/00

CPC: A63F2300/1037 A63F2300/6063 G06F3/016 G06F3/03543 G06F2203/014 G06F2203/015 G06T11/206

European class: G06F3/00B8 G06F3/00B8T G06F3/01B G06F3/01F G06F3/033Z8D1 G06F3/0354M G06T11/20T K63F300/10F K63F300/60S S06F203/014 S06F203/015

US class: 345/156 345/156P 715/701 715/727

Classification Explorer

Cited documents: WO9502233 A1, US6433771 BA, US6424356 BB, US6424356 BA, US6422941 BA, US6374255 BA, US6300936 BA, US6292170 BA, US6285351 BA, US6219034 BA, US6201524 BA, US6169540 BA, US6169540 B1, US6131097 A, US6111577 A, US6005551 A, US5894263 A, US5857986 A, US5844392 A, US5825308 A, US5785630 A, US5769640 A, US5767457 A, US5766016 A, US5745057 A, US5742278 A, US5736978 A, US5715412 A, US5691898 A, US5684722 A, US5669818 A, US5609485 A, US5565840 A, US5547382 A, US5466213 A, US5451924 A, US5438529 A, US5402499 A, US5334027 A, US5309140 A, US5299810 A, US5289273 A, US5275174 A, US5271290 A, US5240417 A, US5212473 A, US5186695 A, US5182557 A, US5078152 A, US5038089 A, US5035242 A, US5022407 A, US5019761 A, US4934694 A, US4930770 A, US4891764 A, US4831531 A, US4731603 A, US4713007 A, US4708656 A, US4599070 A, US4581972 A, US4581491 A, US4513235 A, US4236325 A, US4160508 A, US3903614 A, US3902687 A, US3517446 A, US3497668 A, US3220121 A, US3157853 A, US2003068053 AA, US2003067440 AA, JP5193862 A2, JP4007371 A2, JP2109714 A2, JP1003664 A2, EP0349086 A1,

Forward Citations: WO11071837, WO06019389, WO06019389, WO05015592, WO05015592, USD789393, USD788136, USD786283, USD771079, USD771078, USD757053, USD607010, USD602036, US9715276, US9665474, US9658943, US9658936, US9606627, US9594444, US9575874, US9535557, US9507481, US9507421, US9459771, US9459632, US9448626, US9400582, US9396630, US9367166, US9363146, US9280248, US9274660, US9256969, US9092059, US9064387, US9056244, US8994643, US8981682, US8956304, US8942828, US8909817, US8797295, US8760408, US8717287, US8717152, US8694888, US8686941, US8663122, US8633916, US8599147, US8572293, US8566721, US8543921, US8519948, US8519947, US8458593, US8441437, US8390218, US8384316, US8300010, US8286081, US8265300, US8260972, US8179366, US8125442, US7765333, US7701438, US7689522, US7667687, US7643037, US7623114, US7619521, US7594180, US7486273, US7483041, US7411576, US7242390, US7208671, US7199805, US2016138981, US2015297990, US2014317503, US2014285453, US2014232657, US2013321262, US2013229416, US2013127759, US2013063477, US2012206247, US2011320974, US2011248817, US2011190058, US2011141052, US2010281380, US2010281367, US2010281366, US2010201502, US2009201247,

US2009000829, US2008229200, US2008204427, US2008080721, US2008073131, US2008055244, US2007162225, US2007146388, US2007057924, US2006279538, US2006129719, US2006124438, US2006119576, US2006080074, US2005235032, US2005151720, US2005124412, US2005116925, US2005004944, US2004161118, US2003067440, EP2949371, EP2942089, EP2741174, EP2728443, EP1779220, EP1652201,

Abstract:
Source: US2002163498A A design interface tool for designing force sensations for use with a host computer and haptic feedback interface device. A haptic feedback device communicates with a host computer that displays the interface tool. The user selects and characterizes force sensations using the interface tool, and a graphical representation of the characterized force sensation is displayed. The characterized force sensation is output to a user manipulatable object of the force feedback device so that the user can feel the designed force sensation The user can include multiple force sensations in a compound force sensation, where the compound sensation is graphically displayed to indicate the relative start times and duration of each of the force sensations. The user can also associate a sound with the force sensation, such that the sound is output in conjunction with the output of the force sensation.

0) US2003017020A – CARRIER FOR A TRAILER, SYSTEM THEREOF USING A S...

72) Family number: 28019892 (US2003017020A) © PatBase

Title: CARRIER FOR A TRAILER, SYSTEM THEREOF USING A STACKING DEVICE, AND METHOD THEREOF

Priority: US20010910051 20010723 WO2002US23274 20020723

Family:

Publication number	Publication date	Application number	Application date
AU2002327296 AA	20030217	AU20020327296	20020723
CA2454801 AA	20040122	CA20022454801	20020723
CA2454801 C	20090203	CA20022454801	20020723
CL2002001623 A1	20030620	CL20020001623	20020723
EP1409353 A2	20040421	EP20020763320	20020723
HK1065009 A3	20050208	HK20040107835	20041012
JP2004535994 T2	20041202	JP20030515418T	20020723
KR20040031781 A	20040413	KR20047001029	20020723
TW557265 B	20031011	TW20020116379	20020723
US2003017020 AA	20030123	US20010910051	20010723
US6533510 BB	20030318	US20010910051	20010723
WO03010051 A2	20030206	WO2002US23274	20020723
WO03010051 A3	20030814	WO2002US23274	20020723

Probable Assignee: ITL TECHNOLOGIES INC

Assignee(s):(std)**:** INT TRANSP LOGISTICS INC ; INTERNAT TRANSP LOGISTICS INC ; SAIN BERNARD S

Assignee(s): ITL TECHNOLOGIES INC ; INTERNATIONAL TRANSPORT LOGISTICS INC ; INTIONAL TRANSPORT LOGISTICS BLOUNT ISLAND ; INT TRANSPORT LOGISTICS ; INT TRANSPORT LOGISTICS INC

Inventor(s):(std)**:** SAIN BERNARD S

Inventor(s): BERNARD S SAIN ; SAIN BERNAD S

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; CLARKE MODET

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): B60P3/06 B60P7/13 B65D19/40 B65D88/02 B65D88/12 B65D90/00 B65D90/12 (Advanced/Invention); B60P7/13 B63B25/00 B65D85/68 (Advanced/Non–invention); B60P7/06 B65D19/38 B65D88/00 B65D90/00 B65D90/12 (Core/Invention); B63B25/00 B65D85/68 (Core/Non–invention)

International class (IPC 1–7): B60P3/06 B60P7/13 B65D1/00 B65D19/40 B65D88/12 B65D90/00 B65D90/12

CPC: B63B25/004 B65D88/022 B65D88/129 B65D2585/686 B60P7/13

European class: B65D88/02B B65D88/12F L63B25/00B2 L65D585/68Y5

US class: 410/30 410/56 410/58 410/65

Classification Explorer

Cited documents: US6027291 A, US5639174 A, US5183375 A, US4986705 A, US4592693 A, US4049135 A, US3632145 A, US3620388 A, US3547049 A, US3189307 A, US3041028 A, US3003434 A, US2851963 A, US2837038 A, US2585126 A, US2525388 A, US2010969 A, US1813169 A,

Forward Citations:

WO10011323, WO10011323, WO08086803, US9156607, US8915684, US8282110, US7367764, US7140821, US7140821, US7040848, US7011479, US6837657, US2010135742, US2009279976, US2008229568, US2008187422, US2007126189, US2006104755, US2005220543, US2005019128, US2005019127, US2004146371, DE102006034352, CN105836326,

Abstract:
Source: US2003017020A A highway trailer carrier has a support base, front and back lift braces attached to the support base, and at least one trailer support attached to the support base for supporting part of the trailer. The support is attachable to the trailer and collapsible so that it does not interfere during loading and unloading. The support base further has wheel wells and anchors for securing the trailer to the support base. Both the support base and the lift braces include mounting fixtures for securing the carrier to other carrier(s) and/or cargo containers, for instance, using a stacking device(s) with twist locks that engage and lock onto the mounting fixtures.

0) US2003027650A – METHOD AND DEVICE FOR DEVELOPING ACCURATE AIM

73) Family number: 28045676 (US2003027650A) © PatBase

Title: Method and device for developing accurate aim

Priority: US20010923104 20010806

Family:

Publication number	Publication date	Application number	Application date
US2003027650 AA	20030206	US20010923104	20010806
US6582316 BB	20030624	US20010923104	20010806

Probable Assignee: TOMPERT PAUL A

Assignee(s):(std)**:** TOMPERT PAUL A

Inventor(s):(std)**:** TOMPERT PAUL A

International class (IPC 8–9): A63D15/00 (Advanced/Invention); A63D15/00 (Core/Invention)

International class (IPC 1–7): A63B67/00 A63D15/00 A63D15/20

CPC: A63D15/006

European class: A63D15/00T

US class: 273/127R 273/317.1 273/348 473/1 473/17 473/2 473/52

Classification Explorer

Cited documents: US6132319 A, US6045450 A, US5885165 A, US5584768 A, US5322475 A, US5154415 A, US4948128 A, US4524969 A, US4178694 A, US3972532 A, US3948522 A, US3947026 A, US3843120 A,

Forward Citations: USD718817, US9433853, US8523693, US7247101, US6860816, US6729964, US2014364243, US2011294585, US2004157671, US2004043822, US2003232658,

Abstract:
Source: US2003027650A An accuracy development device is disclosed, including a simulated projectile coupled to a feedback mechanism. The feedback mechanism provides feedback indicating whether a desired impact point on the simulated projectile has been hit by a free projectile propelled toward it. In one embodiment, the desired impact point may be a sensor that is coupled to the feedback mechanism. The simulated projectile may be fixed to a contact location on a base such that the simulated projectile may not be moved in a translational sense but so that it may be rotated about an axis that extends through the contact location and the simulated projectile and is substantially perpendicular to the base. The desired impact point may thus be moved to a variety of different positions with respect to the free projectile, allowing the invention to be used for accuracy development from setups having a wide variety of initial conditions.

0) ZA200400867A – PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE ID...

74) Family number: 33462417 (ZA200400867A) © PatBase

Title: PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION.

Priority: US20010922159 20010806

Family:

Publication number	Publication date	Application number	Application date
AT399646 E	20080715	AT20020744927T	20020709
WO03013869 A2	20030220	WO2002AU00915	20020709
WO03013869 A3	20030522	WO2002AU00915	20020709
ZA200400867 A	20041005	ZA20040000867	20040203

Probable Assignee: SILVERBROOK RES PTY LTD

Assignee(s):(std)**:** SILVERBROOK KIA ; SILVERBROOK RES PTY LTD

Assignee(s): SILVERBROOK RESEARCH LTD ; SILVERBROOK RESEARCH PTY LIMITED ; SILVERBROOK RESEARCH PTY LTD

Inventor(s):(std)**:** SILVERBROOK KIA

Inventor(s): KIA SILVERBROOK

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B41J11/00 B41J11/70 B41J15/04 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 B42D15/10 G06F1/16 G06F21/00 G06K1/12 G06K19/06 G06K19/073 G06K7/14 G07F7/08 G07F7/12 G11C11/56 H04N1/00 H04N1/21 H04N1/32 H04N5/225 H04N5/262 (Advanced/Invention) ; B41J2/165 (Advanced/Non–invention)

International class (IPC 1–7): B41J2/175

CPC: H01L2924/0002 B41J2/14427 B41J2/1623 B41J2/1626 B41J2/1628 B41J2/1629 B41J2/1631 B41J2/1632 B41J2/1635 B41J2/1637 B41J2/1642 B41J2/1643 B41J2/1645 B41J2/1646 B41J2/1648 B41J2/16585 B41J2/17503 B41J2/17513 B41J2/17553 B41J2/17596 B41J11/0005 B41J11/009 B41J2002/041 B41J2202/21 B82Y30/00 G06F21/79 G06F21/86 G06F2221/2129 G06K1/121 G06K7/14 G06K7/1417 G06K19/06037 G06K19/073 G11C11/56 H01L23/576 H04N1/00326 H04N1/0044 H04N1/00965 H04N1/2112 H04N1/2154 H04N1/32133 H04N5/225 H04N5/2628 H04N2101/00 H04N2201/3222 H04N2201/3269 H04N2201/3276 H04N2201/328 B41J2/175 B41J2/17546 B41J29/393

European class: B41J11/00A B41J11/00U B41J11/70 B41J15/04 B41J2/14S B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/16S B41J2/175C B41J2/175C2 B41J2/175C7E B41J2/175C8 B41J29/393 B41J3/44B B82Y30/00 G06F21/79 G06F21/86 G06K1/12B G06K19/06C3 G06K19/073 G06K7/14 G06K7/14A2C G11C11/56 H01L23/57B H04N1/00C22 H04N1/00D3D4 H04N1/00W1 H04N1/21B3 H04N1/21B3H H04N1/32C17B H04N5/225 H04N5/262T L41J2/04M L41J2/165L L41J2/175P L41J202/21 S06F221/2129 T04N101/00 T04N201/32C12 T04N201/32C3H T04N201/32C6 T04N201/32C9B

Classification Explorer

Cited documents: WO0187621 A1, JP2001096760, JP2001092255,

Forward Citations: WO06021021, US7663780,

Abstract:
A printing cartridge includes a housing. A two dimensional code is positioned on the housing. The two dimensional code carries data relating to at least one of: a serial number of the cartridge, a media and a media colorant.

75) Family number: 31982085 (US6644771B) © PatBase

Title: PRINTING CARTRIDGE WITH RADIO FREQUENCY IDENTIFICATION

Priority: AU19970007979 19970712 AU1997PO07979 19970715 AU1997PO07991 19970715 AU20050200191 20050118 AU20020317029 20020709 WO2002AU00913 20020709 US20010922047 20010806 US19980113053 19980710

Family:

Publication number	Publication date	Application number	Application date
AU2002317029 AA	20030224	AU20020317029	20020709
AU2002317029 BB	20041021	AU20020317029	20020709
AU2005200191 AA	20050203	AU20050200191	20050118
AU2005200191 BB	20051020	AU20050200191	20050118
CA2456735 AA	20040206	CA20022456735	20020709
CA2456735 C	20091020	CA20022456735	20020709
EP1425179 A1	20040609	EP20020744926	20020709
EP1425179 A4	20060208	EP20020744926	20020709
US6644771 BA	20031111	US20010922047	20010806
WO03013864 A1	20030220	WO2002AU00913	20020709
ZA200400869 A	20041007	ZA20040000869	20040203

Probable Assignee: MEMJET TECHNOLOGY LTD

Assignee(s):(std)**:** SILVERBROOK KIA ; SILVERBROOK RES PTY LTD ; SILVERBROOK RESEARCH PTY LTD

Assignee(s): ZAMTEC LTD ; SILVERBROOK RESEARCH PTYLTD ; SILVERBROOK RESEARCH LTD ; SILVERBROOK RESEARCH PTY LIMITED ; MEMJET TECHNOLOGY LTD

Inventor(s):(std)**:** KIA SILVERBROOK ; SILVERBROOK KIA

Agent(s): SILVERBROOK RESEARCH PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B41J11/70 B41J15/04 B41J2/14 B41J2/16 B41J2/175 B41J3/42 B41J3/44 G06F21/00 H04N1/21 H04N5/225 H04N5/262 (Advanced/Invention); B41J2/165 (Advanced/Non–invention); B41J2/175 B41J3/44 (Core/Invention)

International class (IPC 1–7): B41J2/175

CPC: B41J2/14 B41J2/16585 B41J2/17513 B41J2/17596 B41J2002/041 B41J2202/21 G06F21/79 G06F21/86 G06F2221/2129 H04N1/0044 H04N1/2112 H04N1/2154 H04N5/225 H04N5/2628 H04N2101/00 B41J2/175 B41J29/393 B41J2/17546

European class: B41J2/16 B41J2/16M B41J2/16M1 B41J2/16M3 B41J2/16M3D B41J2/16M3W B41J2/16M4 B41J2/16M5 B41J2/16M6 B41J2/16M7 B41J2/16M7S B41J2/16M8C B41J2/16M8P B41J2/16M8S B41J2/16M8T B41J2/175C B41J3/42B L41J2/04M L41J2/165L L41J2/175P L41J202/21 S06F221/2129 T04N101/00

US class: 347/19 347/6 348/E05.024 348/E05.055 348/E5.024 348/E5.055

Classification Explorer

Cited documents: WO9728001 A1, WO0043932 A2, US6386772 BA, US6378997 BA, US6312106 BA, US6304825 BA, US6297872 BA, US6227643 BA, US6222452 BA, US6161915 A, US6037879 A, US6000773 A, US5860363 A, US5788388 A, US5049898 A, EP1088667 A1,

Forward Citations: WO10124390, USRE44220, US9393799, US9296214, US9116641, US8960880, US8872635, US8800247, US8766778, US8721203, US8667276, US8646770,

US8356874, US8356873, US8301886, US8294934, US8138923, US8099187, US8009398, US7956752, US7934494, US7917087, US7878505, US7868761, US7793353, US7784507, US7702419, US7664257, US7620815, US7616095, US7530515, US7490055, US7431436, US7430762, US7399131, US7375636, US7344325, US7290146, US7280251, US7237485, US7158032, US7154519, US7137000, US7018117, US6857714, US6832866, US2015042457, US2014062674, US2013099899, US2011199406, US2010309506, US2010308663, US2009121877, US2008100443, US2008100442, US2007243004, US2007205860, US2007040876, US2006224647, US2005274432, US2005258963, US2004203413, US2004136768, US2004012645, US2003184810, US2003059050,

Abstract:
Source: US6644771B A printing cartridge includes a housing and a print media roller, carrying a roll of print media is positioned and rotated in the house. A radio frequency tag is positioned on the housing. The radio frequency tag carries data relating to at least one of: a serial number of the cartridge, a media and a media colorant.

- **search:** SS6 sFT=(ramp and wheelchair and ball and (throw* or slid*)) (Results 243)
- List: SS6 1–25 (sFT=(ramp and wheelchair and ball and (throw* or slid*))) (Results 243)

0) CH288593A – MACHINE POUR L'EMISSION DE TICKETS A INSCRIPTIO...

1) Family number: 26042794 (CH288593A) © PatBase

Title: MACHINE POUR L'EMISSION DE TICKETS A INSCRIPTIONS VARIABLES. MACHINE FOR THE ISSUE OF TICKETS TO VARIABLE ENTRY. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH288593 A	19530131		19500412

Probable Assignee: THAON ANDRE

Assignee(s):(std)**:** THAON ANDRE

Inventor(s):(std)**:** ANDRE THAON

Inventor(s): THAON ANDRE

International class (IPC 1–7)**:** G07B1/04

Abstract:
Source: CH288593A (Claim 1) 1. Machine selon la revendication, caracte risee en ce que la variation de position de la**,** surface active de l'element de butee devant agir avec l'organe mobile est obtenu par tout un jeu d'elements cle butee differents affecte a chaque organe mobile, s'adaptant en un meme point du cliche, mais presentant des surface actives s'echelonnant en profondeur.

Machine translation: (Claim 1) 1. The machine of claim, character ized in that the change in position of the **,** Active surface of the abutment member to act with the mobile element is obtained by a whole set of key elements abutment has different affects each movable, fitting into an equal point of cliche, but presenting the active area ranging in depth.

0) CH333394A – EQUIPEMENT DE COMMANDE DE FREINAGE D'UN ORGANE ...

2) Family number: 25021532 (CH333394A) © PatBase

Title: EQUIPEMENT DE COMMANDE DE FREINAGE D'UN ORGANE ROTATIF BRAKE CONTROL EQUIPMENT ROTARY MEMBER (Machine translation)

Priority: 19541122

Family:

Publication number	Publication date	Application number	Application date
CH333394 A	19581015		19551117

Probable Assignee: WESTINGHOUSE AIR BRAKE CO

Assignee(s):(std)**:** WESTINGHOUSE AIR BRAKE CO

Assignee(s): WESTINGHOUSE AIR BRAKE COMPANY

Inventor(s):(std)**:** STEVE A ROPAR

Inventor(s): A ROPAR STEVE

International class (IPC 8–9): B64C25/46 (Advanced/Invention); B64C25/00 (Core/Invention)

International class (IPC 1–7): B64C25/46

CPC: B64C25/46

European class: B64C25/46

Classification Explorer

Abstract:
Source: CH333394A (Claim 1) 1. Equipement de commande selon la re vendication, pour roue de vehicule, caracterise par le fait qu'il comprend un dispositif d'appli cation des freins repondant a une pression de fluide et a la diminution ou suppression de cette pression pour effectuer respectivement un serrage ou un desserrage des freins sur la roue, un dispositif a valve monte d'une maniere amovible a l'interieur de l'essieu non rotatif, en un point compris dans les limites de l'espace axial occupe par la roue, ce dispositif a valve pouvant occuper une position normale, dans laquelle la pression du fluide peut etre fournie au dispositif d'application des freins, et pou vant passer a une position de desserrage dans laquelle ledit dispositif d'application des freins n'est plus soumis a la pression, un dispositif de commande actionne par inertie et sensible au glissement de la roue, qui agit, en reponse a un glissement de la roue, pour faire passer ledit dispositif a valve a sa position de des serrage, et enfin un organe elastique pour sol liciter le dispositif a valve vers sa position normale quand le glissement de la roue a cesse.

Machine translation: (Claim 1) 1. The control equipment as re vendication for vehicle wheel, characterized in that it comprises a device for appli cation replying to a brake fluid pressure and the reduction or suppression of this pressure to effect tightening or respectively a release of the brakes on the wheel, a device has a valve mounted detachably to the interior of the non–rotating axle at a point within the limits of axial space occupied by the wheel, this valve device being able to occupy a normal position, wherein fluid pressure can be supplied to the brake application device, and power switch Vant has a release position wherein said brake application is no longer subject to pressure, a control device activated by inertia and sensitive slip of the wheel, which is, in response to a slip of the wheel, for passing said device has a valve position of the clamp, and finally an elastic body to the ground liciter A valve device to its normal position when the wheel slip has ceased.

0) FR1313835A – BLOC OPERATOIRE UNIVERSEL, A MULTISERVITUDES CO...

3) Family number: 23057027 (FR1313835A) © PatBase

Title: BLOC OPERATOIRE UNIVERSEL, A MULTISERVITUDES COMMANDEES, ET SON FAUTEUIL ARTICULE, DESTINE A LA PRATIQUE DE L'ART MEDICAL, PARA–MEDICAL, CHIRURGICAL, ESTHETIQUE, ET PLUS PARTICULIEREMENT DENTAIRE BLOCK UNIVERSAL OPERATING, A MULTISERVITUDES ORDERED, AND CHAIR ARTICULE, FOR THE PRACTICE OF ART MEDICAL PARA–MEDICAL, SURGICAL, BEAUTY, AND MORE PARTICULARLY DENTAL (Machine translation)

Priority: FR19610877967 19611104

Family:

Publication number	Publication date	Application number	Application date
FR1313835 A	19630104	FR19610877967	19611104

Inventor(s):(std)**:** GUERINEAU JACQUES

International class (IPC 8–9): A61G15/00 (Advanced/Invention); A61G15/00 (Core/Invention)

International class (IPC 1–7): A61G15/00

CPC: A61G15/00

European class: A61G15/00

Classification Explorer

Forward Citations: FR2508311, EP0477762,

Abstract:
Source: FR1313835A (Claim 1) 1) entre en contact avec la rampe 46, le siege regle incline vers l'operateur se redresse progressivement, pousse par la tige 42, en pivotant autour de la charniere 34 et ce, jusqu'au moment de l'abandon du plan incline par le galet qui, dans b mouvement de descente qui continue, reste applique sur la rampe verticale 47, son role de redresseur etant termine. Pendant ce temps, les galets 30 rencontrent le sol, la partie 28 pivote autour de la charniere 29.

Machine translation: (Claim 1) 1) comes into contact with the ramp 46, the seat tilts operator rule is gradually improving, pushes the rod 42, by pivoting about the hinge 34 and until such time the abandonment of the inclined plane by the roller, in b downward movement continues, is applied to the 47 vertical launch system, its role being rectifier ends. Meanwhile, the rollers 30 facing the floor, part 28 pivots about the hinge 29.

0) FR1432813A – APPAREIL POUR L'AFFICHAGE D'INFORMATIONS PORTEE...

4) Family number: 21493260 (FR1432813A) © PatBase

Title: APPAREIL POUR L'AFFICHAGE D'INFORMATIONS PORTEES PAR DES SUPPORTS TRANSPARENTS APPARATUS FOR INFORMATION DISPLAY TRANSPARENT MADE BY MEDIA (Machine translation)

Priority: FR19650005496 19650213

Family:

Publication number	Publication date	Application number	Application date
FR1432813 A	19660325	FR19650005496	19650213

Inventor(s):(std)**:** CHEROUVRIER ROBERT ERNEST

International class (IPC 8–9)**:** G03B23/04 (Advanced/Invention); G03B23/00 (Core/Invention)

International class (IPC 1–7)**:** G03B21/28

CPC: G03B23/048

European class: G03B23/04D

Classification Explorer

Abstract:
Source: FR1432813A [Source: Claim 1] 1. Il est prevu, de part et d'autre du systeme de projection, un jeu de leviers associes de preference a des galets, ces leviers etant actionnes lors du mou vement de retour de la fourchette ou de la timonerie servant a sa commande, afin de ramener la plaquette correspondante a l'interieur du magasin. [Source: Claim 1] 1. It is expected to either side of the projection system, a set of associated levers in preference pebbles, these levers being sets in action when tively soft back of the fork or wheelhouse has used his command to bring the corresponding plate on the inside of the store.

0) FR1532441A – MECANISMES DE BOITES DE VITESSES SYNCHRONISEES ...

5) Family number: 21000018 (FR1532441A) © PatBase

Title:	MECANISMES DE BOITES DE VITESSES SYNCHRONISEES GEARBOXES MECHANISMS SYNCHRONIZED (Machine translation)
Priority:	FR19670107911 19670525

Family:

Publication number	Publication date	Application number	Application date
FR1532441 A	19680712	FR19670107911	19670525

Probable Assignee:	HUMBER LTD
Assignee(s):(std):	HUMBER LTD
Assignee(s):	HUMBER LIMITED
International class (IPC 8–9):	F16D23/06 (Advanced/Invention); F16D23/02 (Core/Invention)
International class (IPC 1–7):	F16D23/06
CPC:	F16D23/06
European class:	F16D23/06

Classification Explorer

Abstract:
Source: FR1532441A [Source: Claim 1] 1. RESUME Mecanisme de boite de vitesses synchronisees du type dans lequel un element rotatif d'un embrayage a griffes peut etre deplace axialement pour engager ses ciabots avec les clabots d'un element correspon dant d'un embrayage a griffes et dans lequel peut s'effectuer une synchronisation des elements d'em brayage a griffes avant l'engagement des dents, ou une force axiale derivee du mouvement initiai du premier element est transmise par]'interme diaire d'un raccordement possedant des caracteris– tiques de transmission a limitation d'effort (c'est–a– dire que le raccord peut patiner ou autrement faillir quand une force superieure a la limite est appli quee), a l'element mobile d'un embrayage a fric tion pouvant s'engager axialement entre les deux elements de l'embrayage a griffes, afin d'effectuer l'engagement des elements de l'embrayage a friction, un tel engagement, dans le cas d'une difference de vitesses, deplacant un element d'interdiction dans une position d'interdiction, empechant le deplace– ment de l'element de l'embrayage a griffes vers la position d'engagement, lequel element d'interdiction est deplace a une position libre, apres que la syn chronisation a ete obtenue, ou pratiquement obtenue, par i'actionnement de l'embrayage a friction, le premier element de l'embrayage a griffes pouvant ensuite se deplacer axiaiement plus loin pour effec tuer l'engagement de l'embrayage a griffes, le depla cement supplementaire etant autorise par le patinage ou autre faillite, comme mentionne ci=dessus, du raccordement a l'embrayage a friction et etant relatif aux elements de l'embrayage a friction pos sedant les caracteristiques suivantes, prises isole ment; ou en combinaisons a. L'element mobile de l'embrayage a griffes peut etre un manchon entourant et monte par can nelures sur un moyeu rotatif, permettant un deplace ment coulissant axial dans ce dernier, l'element d'in terdiction etant une butee logee dans un evidement du moyeu a l'interieur du manchon et maintenue par une plaque de deplacement dont ii forme une saillie radiaiement vers l'exterieur, laquelle plaque est en position de transmission de poussee par rapport a l'element mobile de l'embrayage et qui peut etre deplacee circonferentieliement par ce dernier pour deplacer la butee dans le sens circonferentiel a partir de la position libre, avec laquelle elle est alignee et dans laquelle elle peut passer a travers un espace ment entre les cannelures internes du manchon, a la position d'interdiction, ou l'element de butee se trouve dans le chemin d'une des cannelures et est en mesure de transmettre une poussee axiale du manchon a la plaque de deplacement et dela a l'element d'embrayage a friction, le raccordement de transmission a limitation de force se trouvant entre le manchon et la plaque de deplacement, d'ou ii s'ensuit que quand la butee est dans la position libre le manchon peut se deplacer axiaiement, avec faillite du raccordement pour engager les elements de l'embrayage a griffes; b. La butee, quand elle est en position d'interdic tion, peut etre logee dans un evidement quelque part sur la longueur d'une des cannelures; c. La base de l'evidement dans le moyeu peut former une rampe dans le sens circonferentiei, au long de laquelle la butee est deplacee vers le bas, avec une composante d'un mouvement vers l'inte rieur, entre les positions d'interdiction et libre; d. La butee peut etre une bille ou un rouleau qui descendent la rampe en roulant; e. Le raccordement de transmission a limitation d'effort peut etre un ressort annulaire dans une rainure circonferentieuee interne dans le manchon qui engage, tout en etant liberable, une encoche dans le plateau de deplacement. [Source: Claim 1] 1. SUMMARY synchrogear Mechanism of the type in which a rotating element of a claw clutch can be axially moves to engage with its ciabots Clabots an element cor d ing a clutch claws and which can perform a synchronization of the elements of a claw clutch em before the engagement of the teeth, or a derivative of the axial force initiai movement of the first element is transmitted through] 'views through a connection possessing transmission characteristics ticks a limiting force (that is a– say that the connection can skate or otherwise fail when a superior force is the limit app quee), a mobile element of a clutch a tion money can engage axially between the two Elements of the clutch claws, to make the commitment of the elements of the friction clutch, such a commitment,

in the case of a speed difference, moving an element of prohibition in a blocking position, preventing the displacement of the element of clutch claws to the engagement position, which ban element is moved to a free position after the syn nization has been achieved, or nearly achieved by the actuation of the friction clutch, the first element of the clutch claws that can then move further to axiaiement EFFEC kill the engagement of the clutch claws, the Depla additional cement being authorized by skating or another bankruptcy, as mentioned above = above, the connection has a friction clutch and being relative to the elements of the friction clutch pos sedant the following characteristics, taken isolates ment; or combinations a. The mobile element of clutch claws can be a sleeve surrounding and goes by can nelures on a rotating hub, allowing ment axial sliding moves in the latter, the element of being a prohibition in butee housed in a recess of hub on the inside of the sleeve and maintained by a displacement plate whose ii protrudes radially outwards, which plate is thrust transmission position relative to the mobile element of the clutch and can be shifted circonferentieliement by the latter to move the release bearing in the circumferential direction from the free position, with which it is aligned and in which it can pass through a space ment between the internal splines of the sleeve, in the blocking position, or the stop element is in the path of the grooves and is able to transmit axial thrust of the sleeve to the moving plate and thence to the clutch friction element, the coupling transmission limiting strength lying between the sleeve and the displacement plate, or ii follows that when the release bearing is in the free position the sleeve can move axiaiement with bankruptcy connecting to engage the elements of the clutch claws; b. The butee when she is in prohibition tion position, can be received in a recess somewhere along the length of the flutes; c. The base of the recess in the hub may form a ramp in the direction circonferentiei, throughout which the release bearing is moved downward, with a component of a movement towards inte laughing between prohibition and positions free; d. The release bearing may be a ball or a roll down the ramp wheelchair; e. The connection of transmission of effort limitation can be an annular spring in a circonferentieuee inner groove in the sleeve that engages, while being releasable, a notch in the displacement plate.

0) CH543933A – DISPOSITIF POUR CHARGER ET DECHARGER DES PIECES...

6) Family number: 1411816 (CH543933A) © PatBase

Title: Dispositif pour charger et decharger des pieces a usiner sur une machine–outil Device for loading and unloading of workpieces on a machine tool (Machine translation)

Priority: CH19710012714 19710830

Family:

Publication number	Publication date	Application number	Application date
CH543933 A	19731115	CH19710012714	19710830
FR2150901 A1	19730413	FR19720030495	19720828
FR2150901 B1	19771223	FR19720030495	19720828

Probable Assignee: VOUMARD MACHINES CO SA

Assignee(s):(std)**:** VOUMARD MACHINES CO SA

Assignee(s): VOUMARD MACHINES CO S A

Inventor(s):(std)**:** RICHARD SCHNEGG ; PIERRE SCHIESS ; GILBERT BRUSA

Inventor(s): BRUSA GILBERT ; SCHNEGG RICHARD ; SCHIESS PIERRE

International class (IPC 8–9): B23Q7/04 (Advanced/Invention); B23Q7/04 (Core/Invention)

International class (IPC 1–7): B23Q7/00 B23Q7/02 B23Q7/04

CPC: B23Q7/04

European class: B23Q7/04

Classification Explorer

Forward Citations: FR2447775, FR2392766,

Abstract:
Source: CH543933A [Source: Claim 1] 1. Dispositif selon la revendication destine a charger et a decharger des pieces a un seul endroit d'usinage, caracterise en ce que les avances successives sont egales et provoquent chacune un deplacement d'un tiers de tour du mobile, une premiere avance amenant simultanement le premier moyen de prehension au premier endroit d'usinage et le second moyen de prehension a l'endroit d'alimentation, une seconde avance amenant simultanement le premier moyen de prehension a l'endroit de dechargement et le second moyen de prehension a l'endroit d'usinage, et une troisieme avance amenant les deux moyens de prehension a reprendre leur position de repos, distante de l'endroit d'usinage. [Source: Claim 1] 1. device according to claim for has load and unload of parts has one place of machining, characterized in that the successive advances are equal and each cause a displacement of one third of the mobile Tower, a first advance leading simultaneously the first means of grasping at the first place of machining and the second way of gripping has the place of power, a second advance leading simultaneously the first way of gripping at the place of unloading and the second way of gripping has the place of machining, and a third advances bringing two ways of gripping to resume their rest position, remote from the place of machining.

- List: SS6 1–25 (sFT=(ramp and wheelchair and ball and (throw* or slid*))) (Results 243)

0) CH288593A – MACHINE POUR L'EMISSION DE TICKETS A INSCRIPTIO...

1) Family number: 26042794 (CH288593A) © PatBase

Title: MACHINE POUR L'EMISSION DE TICKETS A INSCRIPTIONS VARIABLES. MACHINE FOR THE ISSUE OF TICKETS TO VARIABLE ENTRY. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH288593 A	19530131		19500412

Probable Assignee: THAON ANDRE

Assignee(s):(std)**:** THAON ANDRE

Inventor(s):(std)**:** ANDRE THAON

Inventor(s): THAON ANDRE

International class (IPC 1–7)**:** G07B1/04

Abstract:
Source: CH288593A (Claim 1) 1. Machine selon la revendication, caracte risee en ce que la variation de position de la**,** surface active de l'element de butee devant agir avec l'organe mobile est obtenu par tout un jeu d'elements cle butee differents affecte a chaque organe mobile, s'adaptant en un meme point du cliche, mais presentant des surface actives s'echelonnant en profondeur.

Machine translation: (Claim 1) 1. The machine of claim, character ized in that the change in position of the **,** Active surface of the abutment member to act with the mobile element is obtained by a whole set of key elements abutment has different affects each movable, fitting into an equal point of cliche, but presenting the active area ranging in depth.

0) CH333394A – EQUIPEMENT DE COMMANDE DE FREINAGE D'UN ORGANE ...

2) Family number: 25021532 (CH333394A) © PatBase

Title: EQUIPEMENT DE COMMANDE DE FREINAGE D'UN ORGANE ROTATIF BRAKE CONTROL EQUIPMENT ROTARY MEMBER (Machine translation)

Priority: 19541122

Family:

Publication number	Publication date	Application number	Application date
CH333394 A	19581015		19551117

Probable Assignee: WESTINGHOUSE AIR BRAKE CO

Assignee(s):(std)**:** WESTINGHOUSE AIR BRAKE CO

Assignee(s): WESTINGHOUSE AIR BRAKE COMPANY

Inventor(s):(std)**:** STEVE A ROPAR

Inventor(s): A ROPAR STEVE

International class (IPC 8–9): B64C25/46 (Advanced/Invention); B64C25/00 (Core/Invention)

International class (IPC 1–7): B64C25/46

CPC: B64C25/46

European class: B64C25/46

Classification Explorer

Abstract:
Source: CH333394A (Claim 1) 1. Equipement de commande selon la re vendication, pour roue de vehicule, caracterise par le fait qu'il comprend un dispositif d'appli cation des freins repondant a une pression de fluide et a la diminution ou suppression de cette pression pour effectuer respectivement un serrage ou un desserrage des freins sur la roue, un dispositif a valve monte d'une maniere amovible a l'interieur de l'essieu non rotatif, en un point compris dans les limites de l'espace axial occupe par la roue, ce dispositif a valve pouvant occuper une position normale, dans laquelle la pression du fluide peut etre fournie au dispositif d'application des freins, et pou vant passer a une position de desserrage dans laquelle ledit dispositif d'application des freins n'est plus soumis a la pression, un dispositif de commande actionne par inertie et sensible au glissement de la roue, qui agit, en reponse a un glissement de la roue, pour faire passer ledit dispositif a valve a sa position de des serrage, et enfin un organe elastique pour sol liciter le dispositif a valve vers sa position normale quand le glissement de la roue a cesse.

Machine translation: (Claim 1) 1. The control equipment as re vendication for vehicle wheel, characterized in that it comprises a device for appli cation replying to a brake fluid pressure and the reduction or suppression of this pressure to effect tightening or respectively a release of the brakes on the wheel, a device has a valve mounted detachably to the interior of the non–rotating axle at a point within the limits of axial space occupied by the wheel, this valve device being able to occupy a normal position, wherein fluid pressure can be supplied to the brake application device, and power switch Vant has a release position wherein said brake application is no longer subject to pressure, a control device activated by inertia and sensitive slip of the wheel, which is, in response to a slip of the wheel, for passing said device has a valve position of the clamp, and finally an elastic body to the ground liciter A valve device to its normal position when the wheel slip has ceased.

0) FR1313835A – BLOC OPERATOIRE UNIVERSEL, A MULTISERVITUDES CO...

3) Family number: 23057027 (FR1313835A) © PatBase

Title: BLOC OPERATOIRE UNIVERSEL, A MULTISERVITUDES COMMANDEES, ET SON FAUTEUIL ARTICULE, DESTINE A LA PRATIQUE DE L'ART MEDICAL, PARA–MEDICAL, CHIRURGICAL, ESTHETIQUE, ET PLUS PARTICULIEREMENT DENTAIRE BLOCK UNIVERSAL OPERATING, A MULTISERVITUDES ORDERED, AND CHAIR ARTICULE, FOR THE PRACTICE OF ART MEDICAL PARA–MEDICAL, SURGICAL, BEAUTY, AND MORE PARTICULARLY DENTAL (Machine translation)

Priority: FR19610877967 19611104

Family:

Publication number	Publication date	Application number	Application date
FR1313835 A	19630104	FR19610877967	19611104

Inventor(s):(std)**:** GUERINEAU JACQUES

International class (IPC 8–9): A61G15/00 (Advanced/Invention); A61G15/00 (Core/Invention)

International class (IPC 1–7): A61G15/00

CPC: A61G15/00

European class: A61G15/00

Classification Explorer

Forward Citations: FR2508311, EP0477762,

Abstract:
Source: FR1313835A (Claim 1) 1) entre en contact avec la rampe 46, le siege regle incline vers l'operateur se redresse progressivement, pousse par la tige 42, en pivotant autour de la charniere 34 et ce, jusqu'au moment de l'abandon du plan incline par le galet qui, dans b mouvement de descente qui continue, reste applique sur la rampe verticale 47, son role de redresseur etant termine. Pendant ce temps, les galets 30 rencontrent le sol, la partie 28 pivote autour de la charniere 29.

Machine translation: (Claim 1) 1) comes into contact with the ramp 46, the seat tilts operator rule is gradually improving, pushes the rod 42, by pivoting about the hinge 34 and until such time the abandonment of the inclined plane by the roller, in b downward movement continues, is applied to the 47 vertical launch system, its role being rectifier ends. Meanwhile, the rollers 30 facing the floor, part 28 pivots about the hinge 29.

0) FR1432813A – APPAREIL POUR L'AFFICHAGE D'INFORMATIONS PORTEE...

4) Family number: 21493260 (FR1432813A) © PatBase

Title: APPAREIL POUR L'AFFICHAGE D'INFORMATIONS PORTEES PAR DES SUPPORTS TRANSPARENTS APPARATUS FOR INFORMATION DISPLAY TRANSPARENT MADE BY MEDIA (Machine translation)

Priority: FR19650005496 19650213

Family:

Publication number	Publication date	Application number	Application date
FR1432813 A	19660325	FR19650005496	19650213

Inventor(s):(std)**:** CHEROUVRIER ROBERT ERNEST

International class (IPC 8–9)**:** G03B23/04 (Advanced/Invention); G03B23/00 (Core/Invention)

International class (IPC 1–7)**:** G03B21/28

CPC: G03B23/048

European class: G03B23/04D

Classification Explorer

Abstract:
Source: FR1432813A [Source: Claim 1] 1. Il est prevu, de part et d'autre du systeme de projection, un jeu de leviers associes de preference a des galets, ces leviers etant actionnes lors du mou vement de retour de la fourchette ou de la timonerie servant a sa commande, afin de ramener la plaquette correspondante a l'interieur du magasin. [Source: Claim 1] 1. It is expected to either side of the projection system, a set of associated levers in preference pebbles, these levers being sets in action when tively soft back of the fork or wheelhouse has used his command to bring the corresponding plate on the inside of the store.

0) FR1532441A – MECANISMES DE BOITES DE VITESSES SYNCHRONISEES ...

5) Family number: 21000018 (FR1532441A) © PatBase

Title:	MECANISMES DE BOITES DE VITESSES SYNCHRONISEES GEARBOXES MECHANISMS SYNCHRONIZED (Machine translation)
Priority:	FR19670107911 19670525

Family:

Publication number	Publication date	Application number	Application date
FR1532441 A	19680712	FR19670107911	19670525

Probable Assignee:	HUMBER LTD
Assignee(s):(std):	HUMBER LTD
Assignee(s):	HUMBER LIMITED
International class (IPC 8–9):	F16D23/06 (Advanced/Invention); F16D23/02 (Core/Invention)
International class (IPC 1–7):	F16D23/06
CPC:	F16D23/06
European class:	F16D23/06

Classification Explorer

Abstract:
Source: FR1532441A [Source: Claim 1] 1. RESUME Mecanisme de boite de vitesses synchronisees du type dans lequel un element rotatif d'un embrayage a griffes peut etre deplace axialement pour engager ses ciabots avec les clabots d'un element correspon dant d'un embrayage a griffes et dans lequel peut s'effectuer une synchronisation des elements d'em brayage a griffes avant l'engagement des dents, ou une force axiale derivee du mouvement initiai du premier element est transmise par]'interme diaire d'un raccordement possedant des caracteris– tiques de transmission a limitation d'effort (c'est–a– dire que le raccord peut patiner ou autrement faillir quand une force superieure a la limite est appli quee), a l'element mobile d'un embrayage a fric tion pouvant s'engager axialement entre les deux elements de l'embrayage a griffes, afin d'effectuer l'engagement des elements de l'embrayage a friction, un tel engagement, dans le cas d'une difference de vitesses, deplacant un element d'interdiction dans une position d'interdiction, empechant le deplace– ment de l'element de l'embrayage a griffes vers la position d'engagement, lequel element d'interdiction est deplace a une position libre, apres que la syn chronisation a ete obtenue, ou pratiquement obtenue, par i'actionnement de l'embrayage a friction, le premier element de l'embrayage a griffes pouvant ensuite se deplacer axiaiement plus loin pour effec tuer l'engagement de l'embrayage a griffes, le depla cement supplementaire etant autorise par le patinage ou autre faillite, comme mentionne ci=dessus, du raccordement a l'embrayage a friction et etant relatif aux elements de l'embrayage a friction pos sedant les caracteristiques suivantes, prises isole ment; ou en combinaisons a. L'element mobile de l'embrayage a griffes peut etre un manchon entourant et monte par can nelures sur un moyeu rotatif, permettant un deplace ment coulissant axial dans ce dernier, l'element d'in terdiction etant une butee logee dans un evidement du moyeu a l'interieur du manchon et maintenue par une plaque de deplacement dont ii forme une saillie radiaiement vers l'exterieur, laquelle plaque est en position de transmission de poussee par rapport a l'element mobile de l'embrayage et qui peut etre deplacee circonferentieliement par ce dernier pour deplacer la butee dans le sens circonferentiel a partir de la position libre, avec laquelle elle est alignee et dans laquelle elle peut passer a travers un espace ment entre les cannelures internes du manchon, a la position d'interdiction, ou l'element de butee se trouve dans le chemin d'une des cannelures et est en mesure de transmettre une poussee axiale du manchon a la plaque de deplacement et dela a l'element d'embrayage a friction, le raccordement de transmission a limitation de force se trouvant entre le manchon et la plaque de deplacement, d'ou ii s'ensuit que quand la butee est dans la position libre le manchon peut se deplacer axiaiement, avec faillite du raccordement pour engager les elements de l'embrayage a griffes; b. La butee, quand elle est en position d'interdic tion, peut etre logee dans un evidement quelque part sur la longueur d'une des cannelures; c. La base de l'evidement dans le moyeu peut former une rampe dans le sens circonferentiei, au long de laquelle la butee est deplacee vers le bas, avec une composante d'un mouvement vers l'inte rieur, entre les positions d'interdiction et libre; d. La butee peut etre une bille ou un rouleau qui descendent la rampe en roulant; e. Le raccordement de transmission a limitation d'effort peut etre un ressort annulaire dans une rainure circonferentieuee interne dans le manchon qui engage, tout en etant liberable, une encoche dans le plateau de deplacement. [Source: Claim 1] 1. SUMMARY synchrogear Mechanism of the type in which a rotating element of a claw clutch can be axially moves to engage with its ciabots Clabots an element cor d ing a clutch claws and which can perform a synchronization of the elements of a claw clutch em before the engagement of the teeth, or a derivative of the axial force initiai movement of the first element is transmitted through] 'views through a connection possessing transmission characteristics ticks a limiting force (that is a– say that the connection can skate or otherwise fail when a superior force is the limit app quee), a mobile element of a clutch a tion money can engage axially between the two Elements of the clutch claws, to make the commitment of the elements of the friction clutch, such a commitment,

in the case of a speed difference, moving an element of prohibition in a blocking position, preventing the displacement of the element of clutch claws to the engagement position, which ban element is moved to a free position after the syn nization has been achieved, or nearly achieved by the actuation of the friction clutch, the first element of the clutch claws that can then move further to axiaiement EFFEC kill the engagement of the clutch claws, the Depla additional cement being authorized by skating or another bankruptcy, as mentioned above = above, the connection has a friction clutch and being relative to the elements of the friction clutch pos sedant the following characteristics, taken isolates ment; or combinations a. The mobile element of clutch claws can be a sleeve surrounding and goes by can nelures on a rotating hub, allowing ment axial sliding moves in the latter, the element of being a prohibition in butee housed in a recess of hub on the inside of the sleeve and maintained by a displacement plate whose ii protrudes radially outwards, which plate is thrust transmission position relative to the mobile element of the clutch and can be shifted circonferentieliement by the latter to move the release bearing in the circumferential direction from the free position, with which it is aligned and in which it can pass through a space ment between the internal splines of the sleeve, in the blocking position, or the stop element is in the path of the grooves and is able to transmit axial thrust of the sleeve to the moving plate and thence to the clutch friction element, the coupling transmission limiting strength lying between the sleeve and the displacement plate, or ii follows that when the release bearing is in the free position the sleeve can move axiaiement with bankruptcy connecting to engage the elements of the clutch claws; b. The butee when she is in prohibition tion position, can be received in a recess somewhere along the length of the flutes; c. The base of the recess in the hub may form a ramp in the direction circonferentiei, throughout which the release bearing is moved downward, with a component of a movement towards inte laughing between prohibition and positions free; d. The release bearing may be a ball or a roll down the ramp wheelchair; e. The connection of transmission of effort limitation can be an annular spring in a circonferentieuee inner groove in the sleeve that engages, while being releasable, a notch in the displacement plate.

0) CH543933A – DISPOSITIF POUR CHARGER ET DECHARGER DES PIECES...

6) Family number: 1411816 (CH543933A) © PatBase

Title: Dispositif pour charger et decharger des pieces a usiner sur une machine–outil Device for loading and unloading of workpieces on a machine tool (Machine translation)

Priority: CH19710012714 19710830

Family:

Publication number	Publication date	Application number	Application date
CH543933 A	19731115	CH19710012714	19710830
FR2150901 A1	19730413	FR19720030495	19720828
FR2150901 B1	19771223	FR19720030495	19720828

Probable Assignee: VOUMARD MACHINES CO SA

Assignee(s):(std)**:** VOUMARD MACHINES CO SA

Assignee(s): VOUMARD MACHINES CO S A

Inventor(s):(std)**:** RICHARD SCHNEGG ; PIERRE SCHIESS ; GILBERT BRUSA

Inventor(s): BRUSA GILBERT ; SCHNEGG RICHARD ; SCHIESS PIERRE

International class (IPC 8–9): B23Q7/04 (Advanced/Invention); B23Q7/04 (Core/Invention)

International class (IPC 1–7): B23Q7/00 B23Q7/02 B23Q7/04

CPC: B23Q7/04

European class: B23Q7/04

Classification Explorer

Forward Citations: FR2447775, FR2392766,

Abstract:
Source: CH543933A [Source: Claim 1] 1. Dispositif selon la revendication destine a charger et a decharger des pieces a un seul endroit d'usinage, caracterise en ce que les avances successives sont egales et provoquent chacune un deplacement d'un tiers de tour du mobile, une premiere avance amenant simultanement le premier moyen de prehension au premier endroit d'usinage et le second moyen de prehension a l'endroit d'alimentation, une seconde avance amenant simultanement le premier moyen de prehension a l'endroit de dechargement et le second moyen de prehension a l'endroit d'usinage, et une troisieme avance amenant les deux moyens de prehension a reprendre leur position de repos, distante de l'endroit d'usinage. [Source: Claim 1] 1. device according to claim for has load and unload of parts has one place of machining, characterized in that the successive advances are equal and each cause a displacement of one third of the mobile Tower, a first advance leading simultaneously the first means of grasping at the first place of machining and the second way of gripping has the place of power, a second advance leading simultaneously the first way of gripping at the place of unloading and the second way of gripping has the place of machining, and a third advances bringing two ways of gripping to resume their rest position, remote from the place of machining.

0) US3882949A – UNIVERSAL WHEELCHAIR FOR THE SEVERELY DISABLED ...

7) Family number: 1139284 (US3882949A) © PatBase

Title: UNIVERSAL WHEELCHAIR FOR THE SEVERELY DISABLED

Priority: US19720307202 19721116

Family:

Publication number	Publication date	Application number	Application date
US3882949 A	19750513	US19720307202	19721116

Probable Assignee: US HEALTH

Assignee(s):(std)**:** US HEALTH

Assignee(s): GOVERNMENT OF THE UNITED STATES ; GOVERNMENT OF UNITED STATES

Inventor(s):(std)**:** ANDERSON DAVID M

International class (IPC 8–9)**:** A61G3/06 A61G5/06 A61G5/14 (Advanced/Invention); A61G5/12 (Advanced/Non–invention); A61G3/00 A61G5/00 (Core/Invention)

International class (IPC 1–7)**:** B62D63/02

CPC: Y10S180/907 Y10S280/10 Y10S297/04 A61G5/1059 A61G5/045 A61G5/06 A61G5/14 A61G3/062 A61G3/063 A61G5/128

European class: A61G3/06 A61G5/04A6 A61G5/06 A61G5/10S2 A61G5/14 K61G5/12H

US class: 180/8.2 180/8A 180/907 280/250.1 280/5.3 280/650 280/DIG.10 297/344.17 297/DIG.4

Classification Explorer

Cited documents: US3495869 A, US3379450 A, US3191990 A, US3147039 A, US3112001 A, US3100860 A, US2824597 A, US2587068 A, US1685599 A,

Forward Citations: WO9948459, WO9525497, WO9412138, WO8807944, WO08021086, WO08021086, WO0108622, USD738795, USD735093, USD735092, USD651820, US9707139, US9469326, US9320661, US8851214, US8789843, US8622410, US8398356, US8328464, US8210556, US8123245, US7921954, US7802846, US7758063, US7699131, US7516984, US7055840, US7021641, US6715784, US6715783, US6684969, US6644426, US6588792, US6508319, US6431650, US6409265, US6386614, US6155583, US6155376, US6095271, US6027132, US5924720, US5862874, US5772226, US5601302, US5590893, US5363934, US5333887, US5320373, US5233743, US5176393, US5161812, US5145197, US5131672, US5078357, US5076602, US5011175, US4886288, US4661035, US4655471, US4613151, US4592570, US4457663, US4375840, US4326732, US4324414, US4099277, US4093037, US4067409, US4010499, US2015374565, US2013249190, US2012294699, US2011175320, US2010276898, US2010117328, US2010001493, US2008245592, US2008231100, US2008129006, US2007209848, US2007084648, US2006279129, US2006220350, US2006103115, US2005046129, US2005034903, GB2249287, FR2717377, FR2698540, EP1439806, EP0101672, EP0101672, EP0036293,

Abstract:
Source: US3882949A A universal, adjustable–height powered wheelchair is disclosed for the severly disabled, such as quadriplegic, driver. The wheelchair has a powered elevating mechanism capable of raising the seat and occupant from a height of 6 inches to 26 inches above the ground. It is capable of climbing a 12 inch high curb and may be used while driving any standard–sized two door sedan.

0) FR2279375A – ENTRAINEMENT MANUEL DE FAUTEUIL POUR HEMIPLEGIQ...

8) Family number: 2162135 (FR2279375A) © PatBase

Title: ENTRAINEMENT MANUEL DE FAUTEUIL POUR HEMIPLEGIQUE MANUALLY PROPELLED INVALID CHAIR – WITH SINGLE RECIPROCATING LEVER WITH ADJUSTABLE LINKAGE TO FREEWHEEL DRIVE

Priority: FR19740026190 19740722

Family:

Publication number	Publication date	Application number	Application date
DE2532732 A1	19760212	DE19752532732	19750722
FR2279375 A1	19760220	FR19740026190	19740722
FR2279375 B1	19771014	FR19740026190	19740722

Probable Assignee: ARNAS JOSEPH

Assignee(s):(std)**:** ARNAS JOSEPH ; ARNAS JOSEPH MARIE

Inventor(s): WIRD SPAETER GENANNT WERDEN

International class (IPC 8–9)**:** A61G5/02 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7)**:** A61G5/02 B62M1/04 B62M1/08 B62M1/16

CPC: A61G5/1051 A61G5/023 A61G5/025

European class: A61G5/02A4 A61G5/02B2 K61G5/10G

Classification Explorer

Forward Citations: US5499833, EP0352350, DE3131679, DE3116472,

Abstract:
Source: FR2279375A (Claim 1) 1 – REVENDICATIONS I – Dispositif permettant la direction et la propulsion en marche avant ou arriere de fauteuil destine aux infirmes ne disposant que d'un bras (hemiplegiques ou accidantes),sans se salir les mains ou les manches sur les roues; peut egalement servir pour des jouets.11 est caracterise par une commande par levier oscillant avec transmition par bielle a la roue motrice,avec possibilite de faire varier effort necessaire a la propul sion sans avoir a faire intervenir un organe auxiliaire de commande. The invalid chair has two large rear wheels (13) and one single front wheel (6). A single reciprocating hand lever (1) is mounted on one side of the chair and is fitted with a handgrip (4) which is twisted in order to steer the single front wheel. The lever is coupled to a freewheel drive on one rear wheel by an arm (11) whose attachment point on the operating lever is adjustable. This enables the mechanical advantage of the system to be adjusted to suit the ability of the user. The lever is reciprocated to drive the chair, and is moved in a transverse setting to disengage the drive. A gear lever (31) increases the range of the transmission.

0) FR2350093A – FAUTEUIL ROULANT A TRACTION ELECTRIQUE ET A EQU...

9) Family number: 2563868 (FR2350093A) © PatBase

Title: FAUTEUIL ROULANT A TRACTION ELECTRIQUE ET A EQUIPEMENT HYDRAULIQUE POUR HANDICAPES ELECTRICALLY DRIVEN INVALID CHAIR – HAS MOTOR FOR EACH WHEEL AND LIFTING RAMS FOR NEGOTIATING OBSTACLES

Priority: BE19760841502 19760506 BE19760166764 19760506

Family:

Publication number	Publication date	Application number	Application date
BE841502 A2	19760901	BE19760166764	19760506
DE2720093 A1	19771201	DE19772720093	19770505
FR2350093 A1	19771202	FR19770012704	19770427

Probable Assignee: VERSCHAEREN FRANS

Assignee(s):(std)**:** VERSCHAEREN FRANS ; VERSCHAEREN FRANZ JULES

Inventor(s):(std)**:** VERSCHAEREN FRANZ JULES

Inventor(s): JULES VERSCHAEREN FRANZ

International class (IPC 8–9)**:** A61G5/00 A61G5/04 A61G5/06 (Advanced/Invention)

International class (IPC 1–7)**:** A61G5/04 B60L15/32 B60S9/20 B62B9/02 F15B21/08

CPC: A61G5/046 A61G5/00 A61G5/06 A61G5/1002 B60L15/00 B60L2200/34 Y02T10/645 Y02T10/648

European class: A61G5/00 A61G5/04A8 A61G5/06 B60L15/00 K61G5/10A L60L200/26 L60L200/34

Classification Explorer

Forward Citations: GB2244684,

Abstract:
Source: FR2350093A (Claim 1) 1.– Le " fauteuil roulant a traction electrique et a equipement hydraulique pour handicapes " est caracterise par une equipement hydraulique et/ou pneumatique qui comprend entre autres une pompe de compression, deux valves qui com mandent separement les cylindres anterieurs et posterieurs et deux ou quatre cylindres dont l'une ou deux a l'avant et une ou deux a l'arriere du ch ssis.Les cylindres soulevent la voiture a l'avant ou a l'arriere jusqu'a un niveau qui est necessaire pour monter ou descendre un obstacle situe plus haut ou plus bas comme des trottoirs sureleves ou l'acces aux batiments.Une action simultanee des cylindres anterieurs et des cylindres posterieurs est rendue impossible par un couplage des deux rel–ais,qui reglent entre autre le fonctionnement des valves. The chair is driven by electric motors on each of the four small wheels, and has hydraulic equipment allowing it to negotiate, without the intervention of the driver, obstacles up to 25cm high, either up or down. The obstacles are detected by feeler horns directly in front of the wheels, which switch off the driving motors whenever the lifting rams operate. The seat is suspended on ball bearings, and thus independent of horizontal position, and can slide forwards or backwards in it. Two adjustable panels of the seat, and a free space underneath, allow defecation and hygienic attention.

0) US4026387A – WHEELCHAIR LIFT

10) Family number: 1400109 (US4026387A) © PatBase

Title: WHEELCHAIR LIFT

Priority: US19760648467 19760112

Family:

Publication number	Publication date	Application number	Application date
US4026387 A	19770531	US19760648467	19760112

Probable Assignee: ABREU VASCO O

Assignee(s):(std)**:** ABREU VASCO O

Inventor(s):(std)**:** ABREU VASCO O

International class (IPC 8–9)**:** A61G3/06 B60P1/46 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7)**:** B60P1/44

CPC: Y10S414/134 A61G3/062 A61G2220/16 A61G3/06 A61G3/067

European class: A61G3/06

US class: 187/200 187/9R 414/541 414/545 414/921

Classification Explorer

Cited documents: US758493 A, US3912048 A, US3893576 A, US3737009 A, US3710962 A, US3661228 A, US3651965 A, US3516559 A, US3515294 A, US3291261 A, US1457639 A,

Forward Citations: WO9747552, WO9404391, USD424268, US9656590, US8087496, US8038193, US7744142, US7546902, US7274980, US7073867, US6179546, US5755309, US5456335, US5391041, US5160236, US5110252, US4915573, US4741660, US4551060, US4466771, US4353436, US4324317, US4306634, US4298305, US4252491, US4140230, US4071152, US2010219660, US2008238119, US2007107990, US2005194831, FR2533203, FR2516493, EP0944546,

Abstract:
Source: US4026387A A lift for raising or lowering a wheelchair into or from a vehicle, such as a trailer or bus, which comprises a platform pivoted at a single point or location for swinging through about 90 DEG from beneath the trailer to a position at right angles thereto. The pivot is on the end of a shaft which may be raised and lowered so that the lift may be on the ground to receive a wheelchair and then lifted to a height of the level of the doorsill of the trailer for the wheelchair to be wheeled into the vehicle. The vehicle need be changed in no way, but the lift will be just added thereto.

0) US4027807A – WHEELCHAIR LIFT

11) Family number: 24047172 (US4027807A) © PatBase

Title: WHEELCHAIR LIFT

Priority:
CA19780310097 19780825 CA19800352626 19800523 US19750606137 19750820
US19770769636 19770217 US19780855714 19780313 US19780885714 19780313
WO1980US00112 19800123 US19810268466 19810529 US19870127777 19871202
US19820423930 19820927 US19790041943 19790524

Family:

Publication number	Publication date	Application number	Application date
AT360348 B	19800112	AT19780005699	19780804
AT569978 A	19800515	AT19780005699	19780804
AU198058387 A1	19801127	AU19800058387	19800514
BE883451 A1	19800915	BE19800200738	19800523
CA1052326 A1	19790410	CA19760247377	19760308
CA1119131 A1	19820302	CA19780310097	19780825
CA1137929 A1	19821221	CA19800352626	19800523
DE2861941 D1	19820826	DE19782861941	19780922
EP0003950 A2	19790919	EP19780100960	19780922
EP0003950 A3	19791003	EP19780100960	19780922
EP0003950 B1	19820707	EP19780100960	19780922
EP0028632 A1	19810520	EP19800901045	19801201
EP0028632 A4	19811111	EP19800901045	19801201
ES472796 A1	19790416	ES19780472796	19780823
GB1592542 A	19810708	GB19780024174	19780530
HU182162 B	19831228	HU19800001311	19800523
IT1118410 A	19860303	IT19790067503	19790309
IT7967503 A0	19790309	IT19790067503	19790309
NO801558 A	19801125	NO19800001558	19800523
NZ193779 A	19830930	NZ19800193779	19800520
PT68433 A	19780901	PT19780068433	19780817
US4027807 A	19770607	US19750606137	19750820
US4081091 A	19780328	US19770769636	19770217
US4176999 A	19791204	US19780885714	19780313
US4251179 A	19810217	US19790041943	19790524
US4466771 A	19840821	US19810268466	19810529
US4556128 A	19851203	US19820423930	19820927
USRE33595 E	19910528	US19870127777	19871202
WO8002538 A1	19801127	WO1980US00112	19800123

Probable Assignee: HOGAN MFG INC

Assignee(s):(std)**:** SULLIVAN DONALD B ; THORLEY G ; THORLEY GRAHAM R ; TRANSPORTATION DESIGN AND TECHN ; TRANSPORTATION DESING AND TECHNO ; TRANSPORTATION DESIGN AND TECH ; TRANSPORTATION DESIGN E TECHNO ; DESIGN TRANSPORTATION INC ; TRANSPORTATION DESIGN AND TECHNOLOGY INC ; TRANSP DESIGN AND TECHNOLOGY INC ; TRANSPORTATION DESING AND TECHNOLOGY INC ; TRANSPORTATION DESIGN AND TECHNOLOGY INC US ; LIFT U INC

Assignee(s): LIFT U INC A WA CORP ; TRANSPORTATION DESIGN E TECHNOLOGY ; HOGAN MFG ; HOGAN MFG INC ; HOGAN MFG INC A CA CORP ; TRANSPORTATION DESIGN AND TECHNOLOGY ; TRANSPORTATION DESIGN AND TECHN INC ; TRANSPORTATION DESIGN AND TECH INC

Inventor(s):(std)**:**

	GR THORLEY ; GRAHAM ROY THORLEY ; SULLIVAN DONALD B ; THORLEY G ; THORLEY G R ; THORLEY GRAHAM R ; THORLEY GRAHAM ROY
Inventor(s):	G R THORLEY ; THORLEY GRAHAM R US
Agent(s):	PHILLIPS ORMONDE FITZPATRICK; RIDOUT AND MAYBEE LLP
Designated states:	AT BE BR CH DE DK FR GB JP LU NL RO SE SU US
International class (IPC 8–9):	A61G3/06 B60N3/00 B60P1/44 B60P1/46 B60R3/00 B60R3/02 B66B9/00 (Advanced/Invention); A61G3/00 B60P1/44 B60R3/00 B66B9/00 (Core/Invention)
International class (IPC 1–7):	A61G5/00 B60N3/00 B60P1/44 B60P1/46 B60R3/02 B61D23/02 B62D25/22 B65G69/22 B66B9/20 B66F11/04 B66F7/00 B66F7/16 B66F7/28 C08L27/18 E04F11/04
CPC:	Y10S414/134 A61G3/062 A61G2220/16 A61G2220/12 A61G3/06 B66B9/00 B60R3/00 B60R3/02 B60P1/4421 A61G3/068
European class:	A61G3/06 B60P1/44D1 B60R3/00 B60R3/02 B66B9/00
US class:	105/430 105/431 105/447 105/448 108/112 108/166 187/200 187/9R 214/75R 280/166 296/62 414/540 414/541 414/545 414/787 414/921
Classification Explorer	
Cited documents:	US775366 A, US461156 A, US4270630 A, US4251179 A, US4232488 A, US4219104 A, US4214849 A, US4180366 A, US4176999 A, US4168134 A, US4124100 A, US4081091 A, US4027807 A, US4026387 A, US4022337 A, US4020920 A, US3957284 A, US3918596 A, US3913497 A, US3912048 A, US3906690 A, US3874527 A, US3853369 A, US3847292 A, US3651965 A, US3574322 A, US3572754 A, US3528573 A, US3516559 A, US2040866 A,
Forward Citations:	WO9842611, WO9746199, WO9717226, WO9221532, WO9220313, WO9214431, WO9214431, WO9207731, WO8909145, WO8303578, WO8002538, WO8001266, WO09046065, WO09046065, WO09011701, WO07081658, WO06008330, WO02071995, WO0066394, WO0026060, USRE36805, US9669749, US9649969, US9587404, US9580910, US9051156, US8973713, US8943631, US8926254, US8925131, US8887337, US8832893, US8813290, US8807575, US8807283, US8783419, US8739935, US8739342, US8631529, US8562279, US8413591, US8371589, US8356699, US8322967, US8122552, US8113760, US8079447, US8042820, US8028629, US8020234, US7978119, US7960853, US7954602, US7926618, US7913628, US7913343, US7913342, US7913341, US7816878, US7802801, US7798761, US7784406, US7721850, US7551995, US7549692, US7451512, US7419349, US7417395, US7413395, US7326024, US7274980, US7171908, US7025004, US7010825, US7001132, US6948903, US6863000, US6837670, US6832667, US6825628, US6793269, US6692217, US6669266, US6601677, US6409458, US6315515, US6305897, US6238168, US6234740, US6203266, US6203265, US6186733, US6095747, US6062805, US6039528, US6010298, US5947231, US5865593, US5832555, US5722810, US5683221, US5676515, US5674043, US5636399, US5632593, US5620363, US5556250, US5553990, US5542811, US5449267, US5439342, US5433580, US5425615, US5401135, US5391041, US5382130, US5375962, US5316432, US5299904, US5284414, US5253973, US5244335, US5234078, US5230288, US5228538, US5224723, US5205697, US5180275, US5165839, US5149246, US5110252, US5085450, US5040936, US5026244, US4915573, US4907936, US4638741, US4606433, US4583466, US4479753, US4466771, US4299528, US4273498, US4270630, US4251179, US4180366, US4176999, US4168134, US4164292, US4131209, US4124130, US4124100, US4124099, US4124098, US4124097, US4124096, US2016075270, US2013112504, US2012217216, US2011174579, US2011088179, US2011088177, US2011088176, US2011088175, US2011088174, US2010283581, US2010282119, US2010215468, US2010183413, US2010176944, US2010080678, US2010058949, US2010043664, US2009277725, US2009274542, US2009271077, US2009259371, US2009133334, US2009108614, US2009085370, US2008308358, US2008308357, US2008276832, US2008184623, US2008044268, US2008042114, US2008028546, US2008017455, US2007267992, US2007261181, US2007086879, US2006182570, US2006104773, US2006018743, US2006004971, US2005257438, US2005081743, US2005077111, US2004228713, US2004211336, US2004172775, US2004156705, US2004146386, US2004135395, US2003215316, US2003090081, US2003056686, US2003007851, RU2605660, GB2488921, GB2488921, GB2463886, GB2461903, GB2461903, GB2405852, GB2210856, GB2210856, GB2140749, GB2132582, FR2670443, FR2597801, FR2502079, FR2411108, EP2862550, EP2653143, EP2653143, EP2260818, EP2168544, EP2168544, EP0859706, EP0490754, EP0217467, EP0003950, EP0003950, DE8910746, DE3838559, DE3812564, DE19503079, DE19503079, DE102011113574, DE102005036590, CN102923058, AU770230, AU743804,

Abstract:
Source: US4027807A A lift device particularly suitable for lifting handicapped persons with or without wheel chairs into a vehicle or building. The lift can be incorporated into the doorway of any given vehicle, or into any step structure within a building. The lift in its stowed position forms the normal steps. The various step elements are moveable and can cooperate to form a platform which can be lowered or raised to any position between the upper and lower level of the steps. A ramp normally hidden under the steps slides forward to allow easy access to the extended platform and a safety flap housed in the ramp flips upward to form an angle stop preventing the wheel chair from rolling backward during platform motion.

0) US4097008A – CARGO HANDLING SYSTEM FOR AIRCRAFT

12) Family number: 6810975 (US4097008A) © PatBase

Title: Cargo handling system for aircraft

Priority: US19760735130 19761021

Family:

Publication number	Publication date	Application number	Application date
US4097008 A	19780627	US19770799172	19770523
US4109885 A	19780829	US19760735130	19761021
US4127244 A	19781128	US19770799174	19770523
US4146202 A	19790327	US19770799170	19770523

Probable Assignee: PENDER DAVID R

Assignee(s):(std)**:** PENDER DAVID R

Inventor(s):(std)**:** PENDER DAVID R

International class (IPC 8–9)**:** B64C21/06 B64C39/02 (Advanced/Invention)

International class (IPC 1–7)**:** B64C21/06 B64C27/22 B64C27/30 B64C27/50 B64D11/06

CPC: B64C21/06 B64C39/02 Y02T50/166

European class: B64C21/06 B64C39/02 Y02T50/16D

US class: 244/118.1 244/118.6 244/118R 244/130 244/137.1 244/137.2 244/17.27 244/207 244/209 244/7.00R 244/7R 416/142 416/20.00R 416/20R 416/244.00R 416/244R

Classification Explorer

Cited documents: US3974987 A, US3920202 A, US3887146 A, US3884433 A, US3841510 A, US3762667 A, US3638576 A, US3612506 A, US3604661 A, US3582021 A, US3247947 A, US3203648 A, US3128973 A, US3097817 A, US3050274 A, US2876966 A, US2843341 A, US2751168 A, US2694537 A, US2674957 A, US2511504 A, US2508288 A, US2477637 A, US2376834 A, US2192207 A, US1946921 A, SU399655 T, GB858596 A, GB1380710 A, DE674319 A, DE647287 A, DE1918403 A1, AT177157 B,

Forward Citations: WO09051711, US9701399, US9447693, US9193399, US9187173, US9038941, US8931732, US8870275, US8651813, US8573937, US8500061, US8442706, US7708229, US6600165, US6298287, US6155519, US6082968, US6068328, US5971327, US5393014, US5319818, US5054720, US4886224, US4726550, US4674708, US4522360, US4497602, US4407466, US4403803, US4355840, US2014217230, US2014061363, US2011226890, US2010303634, US2010168939, US2010129215, US2009140095, US2007018035, US2003201367, RU2577750,

Abstract:
Source: US4097008A An aircraft fuselage with a rear opening door and a pair of tracks in the bottom of the fuselage for a roll–in–roll–out cable train consisting of a series of connected cable cars. The cable cars are constructed so that the floor of the aircraft is part of the cable cars with passenger seats above the floor and baggage compartments attached below the floor. The entire cable train can extend rearwardly of the fuselage and into a separate adjacent building without disconnecting the cable train from the cable drive unit in the aircraft floor.

0) FR2383631A – BUREAU FONCTIONNEL OU MEUBLE DE TRAVAIL POUR HA...

13) Family number: 3650900 (FR2383631A) © PatBase

Title: BUREAU FONCTIONNEL OU MEUBLE DE TRAVAIL POUR HANDICAPES DESK WITH MOVABLE SURFACES ON CENTRE PIVOT – HAS OWN BASE WITH ACCESS RAMP FOR PHYSICALLY HANDICAPPED PERMITTING HIM TO MOVE IN ROOM WITHOUT LEAVING DESK

Priority: FR19770007655 19770315

Family:

Publication number	Publication date	Application number	Application date
FR2383631 A1	19781013	FR19770007655	19770315
FR2383631 B1	19800509	FR19770007655	19770315

Probable Assignee: GRIMONT PIERRE

Assignee(s):(std)**:** GRIMONT PIERRE

International class (IPC 8–9)**:** A47B97/00 (Advanced/Invention); A47B97/00 (Core/Invention)

International class (IPC 1–7)**:** A47B23/06

CPC: A47B97/00 A47B2200/13

European class: A47B97/00 K47B200/13

Classification Explorer

Forward Citations: US6568646, US4563047,

Abstract:
Source: FR2383631A La presente invention concerne un bureau fonctionnel pour handicapes, ayant pour but de permettre a un malade assis dans un fauteuil roulant, de pouvoir se deplacer seul, afin de pouvoir acceder et travailler a son bureau ou etabli, tout comme un etre normal. Caracterise par le fait, que ce meuble ou caisson possede un plateau tournant reposant sur le son, et sur lequel viendra se poser le fauteuil ou la chaise de l'handicape. Ce meuble se compose de trois cotes ou tables, au centre desquels viendra se placer le fauteuil de l'handicape. Il a son emploi, dans les hopitaux, les services publics desirant utiliser des handicapes, et pour chez son. The desk is for handicapped person sitting in a wheelchair. The desk rotates on its own axis and rests on a base onto which base the wheelchair fits, allowing the user to move about a room without leaving the desk. The desk itself consists of a support box (case) (8) to which would be fixed the possible legs of the working table which come together with anchoring tubes (4). A detachable ramp (7) is also foreseen to enable the wheelchair to roll onto the revolving platform (I), when the wheels of the wheelchair would be placed onto the two pedals (6) during the rotation of the platform. In the centre of the rotating platform (1) there is an axle (5) and a security lock (9) for the wheels of te chair. The anchoragetubes (4) allow the sliding of the side tables (3) and the front table (2) to enable the handicapped user to rest and move according to his/her capabilities.

0) GB2055344A – VEHICLE ENTRY AID

14) Family number: 5076288 (GB2055344A) © PatBase

Title: VEHICLE ENTRY AID

Priority: SE19790005996 19790710

Family:

Publication number	Publication date	Application number	Application date
GB2055344 A1	19810304	GB19800022528	19800709
GB2055344 B2	19830602	GB19800022528	19800709
SE429716 B	19830926	SE19790005996	19790710
SE429716 C	19840105	SE19790005996	19790710
SE7905996 A	19810111	SE19790005996D	19790710

Probable Assignee: UNIV GOETEBORG

Assignee(s):(std)**:** UNIV GOETEBORG

Assignee(s): GOETEBORGS UNIVERSITET ; GOTEBORGS UNIVERSITET

Inventor(s):(std)**:** ANDERSSON C

Inventor(s): C ANDERSSON

International class (IPC 8–9)**:** B66F7/02 (Advanced/Invention); A61G3/06 (Advanced/Non–invention); B66F7/00 (Core/Invention); A61G3/00 (Core/Non–invention)

International class (IPC 1–7)**:** A61G5/00 B60P1/46 B66F11/04

CPC: A61G3/062 B66F7/025

European class: B66F7/02B K61G3/06

Classification Explorer

Forward Citations: WO03070521, USRE36805, US6095747, US6039528, US5865593, US5110252, US4926973, US4479753, US4420286, GB2160175, EP0236600, EP0236600,

Abstract:
Source: GB2055344A A vehicle entry aid for a handicapped person and preferably also such auxiliary equipment as for example a wheel–chair, comprises a frame 1 and a carrying unit 2, which is provided to support the person and the auxiliary equipment and which is connected to the frame and can be moved up and down on the frame by a lifting mechanism 3. The frame is detachably attached to the vehicle adjacent to the entrance opening of the same. The frame comprises two uprights 4,5 connected to each other and the carrying unit is displaced along these uprights. The carrying unit comprises platforms 12 and 18 which are hinged together as shown. A tapered end board 23 is hinged to platform 12.

0) US4274651A – WHEELCHAIR

15) Family number: 8269659 (US4274651A) © PatBase

Title: Wheelchair

Priority: US19790065182 19790809

Family:

Publication number	Publication date	Application number	Application date
US4274651 A	19810623	US19790065182	19790809

Probable Assignee: DUMONT HUBERT H

Assignee(s):(std)**:** DUMONT HUBERT H

Assignee(s): MERCON LTD ; MERCON LTD AN ILLINOIS PARTNERSHIP LTD

Inventor(s):(std)**:** DUMONT HUBERT H

International class (IPC 8–9)**:** B62M1/14 (Advanced/Invention)

International class (IPC 1–7)**:** B62M1/14

CPC: A61G5/023 A61G5/026 B62M1/14

European class: A61G5/02A4 A61G5/02B4 B62M1/14

US class: 192/93R 280/232 280/242WC 280/250 280/250.1

Classification Explorer

Cited documents: US953118 A, US1600131 A, FR1391141 A, DE217692 A,

Forward Citations: US9644730, US9452316, US6902177, US6889991, US6557879, US6409195, US6276703, US6234504, US5683321, US5540111, US5351566, US5308098, US5236398, US5037120, US4643446, US4625984, US4573696, US4506901, US4503724, US4453729, US2015145229, US2015141212, US2015028558, US2004251655, DE4013899,

Abstract:
Source: US4274651A A hand–propelled wheelchair for riding upon sidewalks and ramps without rolling backwards or abruptly changing directions. The wheelchair has at least one, and preferably a pair of cam–actuated manual drive assemblies. Each manual drive assembly has a drive mechanism, which preferably takes the form of sprockets and a flexible chain drive. The manual drive assembly also includes a clutch and a rotatable hand crank with a cam thereon for engaging the clutch and drive mechanism. The hand crank and cam are movable from a drive position to a free–wheeling position. An auxiliary exercise assembly is provided to exercise the feet of the person sitting in the wheelchair when the hand crank is rotated in the free–wheeling position.

0) US4281744A – ROTARY WHEELCHAIR LIFT APPARATUS

16) Family number: 8309680 (US4281744A) © PatBase

Title: ROTARY WHEELCHAIR LIFT APPARATUS

Priority: US19790018640 19790308

Family:

Publication number	Publication date	Application number	Application date
US4281744 A	19810804	US19790018640	19790308

Probable Assignee: KOERBER CHARLES F

Assignee(s):(std)**:** KOERBER CHARLES F

Inventor(s):(std)**:** KOERBER CHARLES F

International class (IPC 8–9)**:** A61G3/06 B66F7/02 (Advanced/Invention); A61G3/00 B66F7/00 (Core/Invention)

International class (IPC 1–7)**:** B66B9/20

CPC: Y10S414/134 A61G3/062 A61G2220/16 B66F7/025 A61G7/1076 A61G2203/726

European class: A61G3/06 B66F7/02B K61G7/10Z4

US class: 187/200 187/267 187/9R 414/540 414/663 414/921

Classification Explorer

Cited documents: US4133437 A, US4124130 A, US4124097 A, US3651965 A, US3350820 A, US3088545 A, US2309123 A,

Forward Citations: WO09081198, USD440728, US8066102, US7383922, US6595738, US6558106, US5901812, US5613825, US5110252, US4551056, US4493603, US4493602, US4479753, US4438830, US4399570, US2009162175, US2007062253, US2005056492, US2005002769, GB2455774, FR2587321, FR2572691, FR2533203, FR2524404, ES2159998, EP0846644, EP0071959, EP0071959, DE4033799,

Abstract:
Source: US4281744A A wheelchair lift apparatus of rotary construction including an improved carriage lift assembly adapted to receive a wheelchair for mounting in the slide–door opening of a vehicle, such as a van or the like, for automatically lifting the wheelchair user from ground level into and out of the van via the side–door opening while under the user's complete control and without any need for the user to leave the wheelchair.

0) DE3006411A1 – ROLLSTUHL MIT RAEDERN FUER GEHBEHINDERTE PERSON...

17) Family number: 1891825 (DE3006411A1) © PatBase

Title: ROLLSTUHL MIT RAEDERN FUER GEHBEHINDERTE PERSONEN WHEELCHAIR WITH PAVEMENT MOUNTING FACILITY – HAS AUXILIARY MEMBERS SWINGING FROM FRONT POSITION IN FRONT OF WHEELS TO SECOND POSITION BEHIND REAR WHEELS

Priority: DE19803006411 19800221

Family:

Publication number	Publication date	Application number	Application date
DE3006411 A1	19810903	DE19803006411	19800221

Probable Assignee: JAHNEL BENNO DIPL PHYS

Assignee(s):(std)**:** JAHNEL BENNO DIPL PHYS

Inventor(s):(std)**:** JAHNEL BENNO DIPL PHYS

International class (IPC 8–9)**:** A61G5/06 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7)**:** A61G5/00 B62B5/02

CPC: A61G5/06

European class: A61G5/06

Classification Explorer

Forward Citations: WO9530571, US5513716, US4811966,

Abstract:
Source: DE3006411A1 Patentansprueche 1Rollstuhl mit Raedern fuer gehbehinderte Personen, dadurch gekennzeichnet, dass an dem Stuhlgehaeuse (1) zum Befahren einer Bordsteinkante (14) geeignete, von einer ersten Lage vor den Vorderraedern (2) in eine zweite Lage hinter den Hinterraedern (3) entlang der Spur der Raeder (2,3) schwenk bare Hilfsmittel (10) gelagert sind 2. The wheelchair has hinged auxiliary members (10) on the housing (1), swinging between a first position in front of the front wheels (2) and a second one behind the rear ones (3). These allow the chair to travel over a kerb (14). Guides (16) can be so provided that the auxiliary members swing back into the first position clear of the wheels, typically in the form of curved bars over which the linkage (6–9) supporting the auxiliary members slides. A driving motor (17) can be provided for the return movement.

0) US4333681A – POWER OPERATED RECLINING WHEELCHAIR

18) Family number: 8573388 (US4333681A) © PatBase

Title: POWER OPERATED RECLINING WHEELCHAIR

Priority: US19790094729 19791116

Family:

Publication number	Publication date	Application number	Application date
US4333681 A	19820608	US19790094729	19791116

Probable Assignee: NELSON M EUGENE

Assignee(s):(std)**:** NELSON M EUGENE

Inventor(s):(std)**:** NELSON M EUGENE

International class (IPC 8–9): A47C1/024 A47C1/035 A61G5/00 (Advanced/Invention); A47C1/022 A47C1/031 A61G5/00 (Core/Invention)

International class (IPC 1–7): A47C1/034

CPC: Y10S297/04 A61G5/006

European class: A47C1/024B A47C1/035 A61G5/00C

US class: 297/330 297/83 297/DIG.4

Classification Explorer

Cited documents: US4285541 A, US4183578 A, US4000529 A, US3936893 A, US3934929 A, US3657747 A, US3191990 A, US3111181 A, US2976868 A, US2660225 A,

Forward Citations: WO9014817, WO0234190, US9700470, US9603762, US9370455, US9364377, US9346335, US9308143, US9149398, US9010470, US8925943, US8910975, US8794359, US8636089, US8573341, US8534679, US8403420, US8360516, US8297388, US8272461, US8177296, US8172016, US8172015, US7597163, US7472767, US7374002, US7219755, US7066290, US7055634, US6976699, US6935448, US6923280, US6769739, US6715784, US6611975, US6588792, US6554086, US6425635, US6409265, US6322145, US6250661, US6032976, US5673967, US5556157, US5520439, US5328247, US5172925, US5044647, US4968050, US4949408, US4862530, US4752100, US4744578, US4516805, US2012228919, US2011062740, US2011049963, US2010253129, US2010102529, US2009091092, US2008208394, US2008012356, US2006255581, US2005225040, US2004159476, US2004094936, US2004060748, US2003168265, US2003168264, US2003075962, US2003075365, FR2598911, EP1436157, EP0841053, EP0405542, EP0405542,

Abstract:
Source: US4333681A A power operated reclining wheelchair having a frame assembly with a base frame and a pair of laterally spaced sidewall frames extending upwardly from the opposite lateral sides of the base frame. Each of the sidewall frames have a fixed major pivot point located adjacent its rear end at a location approximating that of the hip joint of the occupant of the wheelchair. The wheelchair also has a back rest assembly and a seat assembly and mechanical and electrical structure for pivotally reclining the back rest assembly about the major pivot points in coordinated movement with the seat assembly during which the front end of the seat assembly is tilted upwardly and forwardly advanced from its initial position while its rear end is slightly lowered and forwardly advanced from its initial position. Continued movement of the seat assembly brings it to a final position where the front end and the rear end of the seat assembly are substantially horizontal and at substantially the same vertical height that they were at the initial position, but with the seat assembly positioned forwardly of its initial starting position. A footrest assembly is also pivotally connected to the front of the seat assembly and mechanical structure coordinates its movement with that of the back rest assembly and the seat assembly.

19) Family number: 8590787 (US4339224A) © PatBase

Title: APPARATUS FOR ACCOMMODATING WHEELCHAIRS IN PUBLIC TRANSPORTATION VEHICLES

Priority: US19800185308 19800908

Family:

Publication number	Publication date	Application number	Application date
US4339224 A	19820713	US19800185308	19800908

Probable Assignee: LAMB CHARLES A

Assignee(s):(std)**:** LAMB CHARLES A

Inventor(s):(std)**:** LAMB CHARLES A

International class (IPC 8–9)**:** A61G3/06 B61D23/02 (Advanced/Invention); A61G3/00 B61D23/00 (Core/Invention)

International class (IPC 1–7)**:** B60P3/06

CPC: A61G3/063 B61D23/025 Y10S414/134

European class: A61G3/06C B61D23/02B

US class: 296/64 340/568.1 340/686.3 410/1 410/3 414/501 414/507 414/921

Classification Explorer

Cited documents: US4131209 A, US4109809 A,

Forward Citations: WO14012146, US9114049, US9010784, US8936275, US8683634, US7978119, US7816878, US7798761, US7736116, US7703781, US7559400, US7551995, US7425005, US7108271, US6986519, US6825628, US6655905, US6470523, US6409458, US6244645, US6238168, US6203265, US6186733, US6010298, US5832555, US5636399, US5618151, US5577793, US5391041, US5209435, US2012110754, US2011127402, US2010283581, US2009271077, US2009259371, US2008184623, US2008069676, US2008044268, US2007086879, US2003007851, RU2605660, EP0230888, DE3812564, DE3601719, AT428,

Abstract:
Source: US4339224A A system for accommodating persons confined to wheelchairs in a public transportation vehicle, such as a bus, includes a main turntable having a padded centerpost. A ramp attached to the vehicle effects conveying of the wheelchair and the person occupying it to the edge of the turntable, allowing the wheelchair to be moved onto one of a plurality of stations into which the turntable is divided. The turntable is then rotated to align another station for receiving another wheelchair from the ramp.

0) US4368898A – BOWLING RAMP ATTACHMENT FOR WHEELCHAIRS

20) Family number: 3786815 (US4368898A) © PatBase

Title: Bowling ramp attachment for wheelchairs

Priority: US19800178952 19800818 US19820380519 19820521

Family:

Publication number	Publication date	Application number	Application date
US4368898 A	19830118	US19800178952	19800818
US4441710 A	19840410	US19820380519	19820521

Probable Assignee: LAY LARRY D

Assignee(s):(std)**:** LAY LARRY D

Inventor(s):(std)**:** LAY LARRY D

International class (IPC 8–9)**:** A61G5/00 A63D5/00 (Advanced/Invention); A63B71/00 (Advanced/Non–invention); A61G5/00 A63D5/00 (Core/Invention); A63B71/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D5/00

CPC: A61G5/10 A63B71/0009 A63B2071/0018 A63B2208/12 A63D5/00 A61G5/00

European class: A61G5/00 A63B71/00H A63D5/00 K61G5/10 K63B208/12 K63B71/00H2 K63D5/00

US class: 273/54R 280/289WC 280/304.1 473/56

Classification Explorer

Cited documents: US4249281 A, US3891268 A, US3618687 A, US3578322 A, US3539183 A, US3481601 A, US3220043 A, US3215436 A, US3159401 A, US3083967 A, US2138239 A,

Forward Citations: USD583004, US9511786, US9351901, US9056036, US8985600, US8734263, US8240691, US8177248, US6475096, US6409640, US6227981, US6042482, US6004233, US5807185, US5651558, US5358447, US5358446, US5319818, US5314384, US4753449, US4470598, US2016271478, US2014102816, US2013009372, US2012220394, US2011127748, US2011009201, US2005221904, DE102007017337,

Abstract:
Source: US4368898A A bowling ramp attachment for wheelchairs. The ramp attachment includes a ramp in the form of a pair of spaced rod members which extend in an inclined manner from the seat area of the wheelchair to the floor. The ramp is slidingly attached to the wheelchair so as to be selectively movable across the front of the wheelchair. A pair of vertically extending posts are releasably clamped to the front frame members of the wheelchair. A cross bar is slidingly carried by the posts so as to be movable laterally across the front of the wheelchair. The cross bar is slidingly attached to the ramp to enable the ramp and the cross bar to be selectively positioned across the front of the wheelchair for directing a bowling ball in a variety of paths toward the bowling pins.

0) EP0086931A2 – SPACE–SAVING SHOWER–CABIN WITH MULTIFUNCTIONAL ...

21) Family number: 3268339 (EP0086931A2) © PatBase

Title: Space–saving shower–cabin with multifunctional partition.

Priority: DE19823200115 19820105 DE19823224377 19820630 DE19823224378 19820630

Family:

Publication number	Publication date	Application number	Application date
DE3200115 A1	19830714	DE19823200115	19820105
DE3224377 A1	19840105	DE19823224377	19820630
DE3224378 A1	19840105	DE19823224378	19820630
EP0086931 A2	19830831	EP19830100063	19830105
EP0086931 A3	19840516	EP19830100063	19830105

Probable Assignee: HACK GUENTER DIPL ARCHITEKT

Assignee(s):(std): HACK GUENTER ; HACK GUENTER DIPL ARCHITEKT ; HACK GUNTER

Assignee(s): HACK GUENTER DIPL ARCHITEKT 6096 RAUNHEIM DE

Inventor(s):(std): HACK GUENTER ; HACK GUNTER

Inventor(s): HACK GUENTER DIPL ARCHITEKT ; HACK GUENTER DIPL ARCHITEKT 6096 RAUNHEIM DE

Designated states: AT BE CH DE FR GB IT LI LU NL SE

International class (IPC 8–9): A47K3/36 A47K4/00 (Advanced/Invention)

International class (IPC 1–7): A47K3/22 A47K4/00 E04B2/74 E04C2/52

CPC: A47K3/362 A47K4/00

European class: A47K3/36B A47K4/00

Classification Explorer

Cited documents: US4083395 A, US3737921 A, US3480973 A, US3390407 A, US3295257 A, US2886863 A, US2862211 A, FR948539 A, FR833316 A, FR2335185 A1, FR2229372 A1, FR1147270 A, DE7908435 U, DE708081 A, DE2911967 A1, DE2902550 A1, DE2842102 A1, DE1794898 U, DD111955 Z,

Forward Citations: WO0008991, WO0008991, WO0001289, WO0001289, US6378145, US6185759, US5926859, US5605014, US5100196, NL1036236, EP2835477, EP1935304, EP0692217, EP0666050, EP0655216, EP0274460, DE4417463, DE3704890, DE29605479, DE29517574, DE19711308, DE19702357, DE19702357, DE102013215694, DE102009004396, DE102008037295, DE102008037290, CN104042143, AU748377,

Abstract:
The new space–saving shower cubicle is used in a room recess. It has an approximately semi–cylindrical partition which can be swivelled about its axis and which mainly accommodates a seat in its hollow space. The movable shell, which may be composed of parts, shields the shower space off in the one position and, in the other position, forms a seat recess facing the room, in which recess the additional functions of washing, foot bathing, body care or the like can be undertaken. Provided below the semi–cylindrical shell there may be a shower basin which can be covered completely or partially by a grid (Figure 15a). The swivellable semi–cylindrical shell allows a central water supply and drainage so that a shower head, which is not impaired by the swivel movement, or a tapping point, which also executes the swivel movement, can be provided in the immediate vicinity of the seat (Figure 15a; 37). Thus water is also available in the recess facing towards the room, for example for foot bathing, washing children or small items of clothing.

0) DE3213774A1 – STAIRCASE LIFT, IN PARTICULAR FOR A WHEEL–CHAIR...

22) Family number: 3168660 (DE3213774A1) © PatBase

Title: Staircase lift, in particular for a wheel–chair

Priority: DE19823213774 19820414

Family:

Publication number	Publication date	Application number	Application date
DE3213774 A1	19831020	DE19823213774	19820414

Probable Assignee: UNTERREITER ERICH

Assignee(s):(std)**:** UNTERREITER ERICH

Inventor(s):(std)**:** UNTERREITER ERICH

International class (IPC 8–9)**:** B66B9/08 (Advanced/Invention); B66B9/06 (Core/Invention)

International class (IPC 1–7)**:** B66B9/08

CPC: B66B9/083

European class: B66B9/08B3

Classification Explorer

Forward Citations: WO9303993, WO9008091, WO0078661, US8146713, US4627517, NL8900047, NL8900047, EP1187787, EP0450858, DE19651372, DE10032745, DE10032745,

Abstract:
Source: DE3213774A1 Staircase lift, in particular for a wheel–chair, in which, in a compact type of construction which is also possible in a self–supporting manner and requires little expenditure, the movements of the supporting frame are adapted to the run of the stairs by suitable sloping and vertical guides in such a way that, in the bottom end position, the rear end of the supporting platform lies directly in front of the end face of the lowermost stair and, in the top end position, the top side of the supporting platform is in alignment with the top side of the topmost stair, and in which a safe and energy–saving electro–hydraulic drive via a hauling cable running like a block and tackle as well as a hydraulic emergency drive to be actuated manually are provided.

0) US4420286A – INVALID LIFT APPARATUS

23) Family number: 3882118 (US4420286A) © PatBase

Title: INVALID LIFT APPARATUS

Priority: US19810248250 19810327

Family:

Publication number	Publication date	Application number	Application date
US4420286 A	19831213	US19810248250	19810327

Probable Assignee: WIDE ONE CORP

Assignee(s):(std)**:** WIDE ONE CORP

Assignee(s): WIDE ONE 3051 EAST LA PALMA AVE ANAHEIM CA 92806 A CORP OF CA CORP

Inventor(s):(std)**:** HANSON JAMES M ; SCHLICHTING ROBERT

International class (IPC 8–9): A61G3/06 B60P1/46 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7): B60P1/44

CPC: Y10S414/134 A61G3/06 A61G3/062 A61G2220/16 A61G3/067

European class: A61G3/06

US class: 414/539 414/541 414/545 414/921

Classification Explorer

Cited documents: US4353436 A, US4133437 A, US4124130 A, US4121695 A, US4113121 A, US4071152 A, US3351220 A, SU416269 T, GB730970 A, GB2055344 A1, GB1391099 A,

Forward Citations: WO9315704, WO9309747, WO9207731, USRE36805, US9526663, US9393885, US9217535, US8540474, US7862287, US7651313, US7543876, US7274980, US7207765, US6965819, US6594565, US6340280, US6227790, US6223364, US6042330, US5683221, US5382130, US5375962, US5373915, US5228538, US5224723, US5165839, US4685860, US2015096842, US2010040452, US2010028115, US2007086880, US2006104775, US2005264020, US2005238472, US2004098182,

Abstract:
Source: US4420286A Invalid lift apparatus particularly adapted for installation in an automotive vehicle of the van type characterized by a passenger side door adjoining a loading floor. The apparatus includes a storage receptacle mountable below the loading floor to receive a platform for wheelchair passengers. The platform is extensible onto movable supports for raising and lowering relative to fixed supports attachable at opposite sides of the door opening. Limit switches are provided to control the extent of upward and downward movement of the platform, and to orient the platform in proper position for movement out of the way and onto the storage receptacle whereby ambulatory passengers can enter and leave the vehicle.

0) US4556234A – CAST WHEEL FORK FOR MOTOR VEHICLE AXLE

24) Family number: 31444460 (US4556234A) © PatBase

Title: Cast wheel fork for motor vehicle axle

Priority: CH19820006080 19821019 GB19820028444 19821005 GB19830026842 19831007

Family:

Publication number	Publication date	Application number	Application date
CH659436 A	19870130	CH19820006080	19821019
DE3333525 A1	19840426	DE19833333525	19830916
DE3333525 C2	19861009	DE19833333525	19830916
DE3333525 C3	19880818	DE19833333525	19830916
GB2128558 A1	19840502	GB19830026842	19831007
GB2128558 B2	19860806	GB19830026842	19831007
GB2128560 A1	19840502	GB19830026638	19831005
GB8326638 A0	19831109	GB19830026638	19831005
GB8326842 A0	19831109	GB19830026842	19831007
US4556234 A	19851203	US19830543136	19831018

Probable Assignee: FISCHER AG GEORG

Assignee(s):(std)**:** FISCHER AG GEORG ; FISCHER GEORG AG ; STONE ROBERT GEORGE PATRICK ; STONE ANDRES LEONARD STEPHEN ; GRIFFINS NORMAN JOHN ; STONE A L S ; STONE R G P ; GRIFFINS N J

Assignee(s): NORMAN JOHN GRIFFINS ; ROBERT GEORGE PATRICK STONE ; GEORG FISCHER AKTIENGESELLSCHAFT ; ANDRES LEONARD STEPHEN STONE ; GEORG FISCHER AG ; GEORG FISCHER AG SCHAFFHAUSEN CH

Inventor(s):(std)**:** MAHNIG FRITZ SCHAFFHAUSEN CH ; MEISTER HERBERT THAYNGEN CH ; STONE ROBERT GEORGE PATRICK ; STONE ANDRES LEONARD STEPHEN ; MEISTER HERBERT ; MAHNIG FRITZ ; GRIFFINS NORMAN JOHN

Inventor(s): ANDRES LEONARD STEPHEN STONE ; FRITZ MAHNIG ; HERBERT MEISTER ; ROBERT GEORGE PATRICK STONE ; NORMAN JOHN GRIFFINS

International class (IPC 8–9): A61G5/04 A61G5/06 B60G7/00 B62D55/06 B62D55/065 (Advanced/Invention); A61G3/06 (Advanced/Non–invention)

International class (IPC 1–7): B60G3/06 B60G7/00 B62D55/02

CPC: B60G7/001 B60G2206/124 B60G2206/71 B60G2206/8101 B62D55/06 A61G3/061 A61G3/065 A61G5/04 A61G5/061 A61G5/066 A61G2220/145 B62D55/065

European class: A61G5/04 A61G5/06A A61G5/06C B60G7/00A B62D55/06 B62D55/065 K61G220/14A K61G3/06A K61G3/06E L60G206/124 L60G206/71 L60G206/8101

US class: 280/124.134 280/124.153 280/688 280/690 280/797

Classification Explorer

Cited documents: US4478430 A, US2838322 A, US2297123 A, US2098874 A, GB1588913 A, GB1531747 A, GB1294696 A, GB1066428 A, GB1046444 A,

Forward Citations: WO09127942, US7900942, US7556273, US7144023, US7144023, US6572126, US6471226, US5415426, US5322317, US4813512, US2008007022, US2006175786, US2006108763, US2005023791, JP2015137037, GB2468722, GB2436094, FR2678217, FR2579160, ES2113776, EP1167092, EP1167092, EP1057665, EP0688552, DE29619085, DE19748335, DE19748335, DE102015204643, DE102010006284, DE102009008839, DE102005038274, DE102005038274, DE10029189,

Abstract:
Source: US4556234A A cast wheel fork for a motor vehicle axis comprises a arm having a wheel support at one longitudinal end and a bearing at an opposite longitudinal end. The arm has a substantially hat–shaped, transverse cross–sectional configuration formed by two substantially parallel arm members and a plurality of crossbars connecting the two arm members. The crossbars add strength to the arm profile and permit the wheel fork to be manufactured economically and to be lightweight.

0) US4453729A – OCCUPANT PROPELLABLE WHEELCHAIR

25) Family number: 4387500 (US4453729A) © PatBase

Title:	OCCUPANT PROPELLABLE WHEELCHAIR
Priority:	US19820420034 19820920

Family:

Publication number	Publication date	Application number	Application date
US4453729 A	19840612	US19820420034	19820920

Probable Assignee:	LUCKEN WESLEY O
Assignee(s):(std):	LUCKEN WESLEY O
Inventor(s):(std):	LUCKEN WESLEY O
International class (IPC 8–9):	A61G5/02 (Advanced/Invention); A61G5/00 (Core/Invention)
International class (IPC 1–7):	B62M1/16
CPC:	Y10S297/04 A61G5/023 A61G5/025 Y10T74/1552
European class:	A61G5/02A4 A61G5/02B2
US class:	192/46 280/242WC 280/244 280/250.1 280/253 297/DIG.4 74/141
Classification Explorer	
Cited documents:	US4274651 A, US3994509 A, US3877725 A, US3666292 A, US3309110 A, US2621678 A, GB4473, GB188204473 A,
Forward Citations:	WO9513954, WO9301787, WO11002341, WO11002341, WO08130379, WO0192092, US8172243, US7727125, US7677586, US7520519, US7341267, US6942234, US6916032, US6893035, US6755430, US6746034, US6691848, US6325398, US6299189, US6247715, US6179307, US6158757, US6047980, US5941547, US5860329, US5746437, US5683321, US5657836, US5558358, US5540111, US5509673, US5439240, US5351566, US5263729, US5242179, US5236398, US5224731, US5020815, US5020648, US5007655, US4993732, US4840076, US4838401, US4811964, US4766772, US4762332, US4702486, US4652026, US2011215547, US2009020979, US2008252036, US2008238023, US2008073869, US2007126195, US2006288810, US2006094569, US2004051272, US2003057673, JP2009023544, GB2485487, GB2458852, GB2458852, FR2679513, ES2395186, EP0136705, CN102439332,

Abstract:
Source: US4453729A A wheelchair having a frame capable of supporting the occupant includes a plurality of wheels including two driving wheels. Left and right side levers are mounted on the wheelchair such that the tops of the levers can be moved back and forth reciprocally toward and away from the occupant of the wheelchair. When the levers are in a position towards the occupant of the wheelchair, they are in a neutral position and by pushing away from the occupant from the neutral position to a displaced position, a power stroke is performed. Movement of the levers in the reverse direction back toward the occupant constitutes a return stroke of the same. A power transfer mechanism includes a first and second ratchet operatively associated with each of the driving wheels. The first ratchet allows the driving wheel to free wheel at all times in a forward direction. The second ratchet allows the driving wheel to free wheel in both a forward and reverse direction whenever the lever associated with that wheel is in the neutral position, and as the lever is moved in the power stroke away from the occupant, the second ratchet transfers this movement through the first ratchet to rotate the driving wheel in the forward direction. The second ratchet transfers no movement to the first ratchet as the lever moves back toward the occupant in the return stroke.

0) US4470598A – WHEELCHAIR BOWLING APPARATUS

26) Family number: 4487579 (US4470598A) © PatBase

Title: Wheelchair bowling apparatus

Priority: US19820425290 19820928

Family:

Publication number	Publication date	Application number	Application date
US4470598 A	19840911	US19820425290	19820928

Probable Assignee: MCLANE THOMAS J

Assignee(s):(std)**:** MCLANE THOMAS J ; STEELE KENNETH L

Inventor(s):(std)**:** STEELE KENNETH L ; MCLANE THOMAS J

International class (IPC 8–9)**:** A63B71/00 (Advanced/Invention); A61G5/10 A63D5/00 (Advanced/Non–invention); A63B71/00 (Core/Invention); A61G5/00 A63D5/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D5/00

CPC: A61G5/10 A63B71/0009 A63B2071/0018 A63D5/00

European class: A63B71/00H K61G5/10 K63B71/00H2 K63D5/00

US class: 273/54R 280/289WC 280/304.1 473/56

Classification Explorer

Cited documents: US4368898 A, US3236223 A, US3083967 A, US3037299 A,

Forward Citations: WO11069206, USD583004, US9056036, US8985600, US8684857, US8393096, US7784811, US6474671, US6227981, US6004233, US5807185, US5651558, US5478283, US5358446, US5271619, US2016271478, US2014102816, US2011099857, US2009255150, GB2279574, GB2279574,

Abstract:
Source: US4470598A A bowling apparatus is provided for use by an operator in a wheelchair to triggerably launch a ball, the ball rolling in a preselected direction on a navigable surface such as a bowling alley. The bowling apparatus is further adapted to control the terminal velocity and spin of the ball at release. The bowling apparatus comprises: a frame disposed in relative horizontal relation with the navigable surface; a coupling system for coupling the frame to the wheelchair; a ball receiver for holding the ball in registration; a spin control unit for controlling the spin imparted to the ball prior to release, the spin control unit, being coupled to the ball receiver and being interposed between the ball receiving means and the ball and being further adapted to couple the predetermined directional thrust from the ball receiver to the ball; a propulsion unit for imparting a preselected thrust to the ball receiver, the propulsion unit being further adapted to couple the ball receiver to the frame in wheelchair driven, frame coupled, target pointing relation for imparting a predetermined directional thrust to the ball receiver; a release unit for actuating the propulsion unit, the release unit being responsive to operator triggering thereby, allowing the propulsion unit to impart the predetermined directional thrust to the ball receiver.

0) US4534450A – INVALID LIFT

27) Family number: 4836246 (US4534450A) © PatBase

Title: INVALID LIFT

Priority: US19840605222 19840430

Family:

Publication number	Publication date	Application number	Application date
US4534450 A	19850813	US19840605222	19840430

Probable Assignee: SAVARIA PIERRE

Assignee(s):(std)**:** SAVARIA PIERRE

Assignee(s): ANTARES LEVERAGED CAPITAL CORP ; RICON CORP

Inventor(s):(std)**:** SAVARIA PIERRE

International class (IPC 8–9)**:** A61G3/06 B66F7/08 (Advanced/Invention); A61G3/00 B66F7/06 (Core/Invention)

International class (IPC 1–7)**:** B66B9/20

CPC: Y10S414/134 B66F7/0641 B66F7/08 A61G3/062

European class: A61G3/06 B66F7/06S B66F7/08

US class: 187/9R 414/546 414/921

Classification Explorer

Cited documents: US489755 A, US4273217 A, US4252491 A, US4140230 A, US4022337 A, US3984914 A, US3957164 A, US3918596 A, US3910432 A, US3710962 A, US3651965 A, CA930335 A1, CA1090743 A1, CA1085784 A1,

Forward Citations: WO9960976, WO9908641, WO9506452, WO04108475, USRE36805, USD708412, USD440728, US9375369, US9217535, US8816225, US7857098, US7815413, US7467917, US7445416, US7419349, US7413395, US7306422, US6948903, US6889880, US6837670, US6802095, US6739824, US6648579, US6585474, US6464447, US6379102, US6357992, US6309170, US6238169, US6086314, US6065924, US6053693, US5944473, US5672041, US5613825, US5605431, US5445488, US5382130, US5261779, US5082469, US5040936, US5026244, US4984955, US4775282, US4715866, US4664584, US2015096842, US2011016628, US2009129906, US2009110531, US2007212206, US2007183881, US2007183880, US2006018743, US2004184906, US2004156705, US2004146386, US2003141334, ES2387161, ES2221799, EP2641575, EP1815834, EP1079787, EP0955029, EP0911007, EP0716588, EP0710473, DE202012002833, DE202012002832, AU705929, AU687066,

Abstract:
Source: US4534450A An invalid lift assembly installed in a vehicle such as a van or the like. It is specially adapted to permit a non–invalid person to use the door opening even when it is stored. The lift assembly comprises a platform which is made of a frame supporting two independent sections displaceable in between a coplanar position and a transverse position. The platform is rotatable in between an upstanding stored position inside the vehicle and an outside intermediate position level and parallel with the vehicle floor and moveable from that position to the ground and inversely. A pair of armatures swingable in parallel paths on each side of the platform connect the platform to the vehicle.

0) US4573548A – MOBILE BASE FOR ROBOTS AND THE LIKE

28) Family number: 4971339 (US4573548A) © PatBase

Title: Mobile base for robots and the like

Priority: US19830535168 19830723 US19850716671 19850327

Family:

Publication number	Publication date	Application number	Application date
US4573548 A	19860304	US19830535168	19830723
US4657104 A	19870414	US19850716671	19850327

Probable Assignee: CRESTAR BANK

Assignee(s):(std)**:** CYBERMATION INC

Assignee(s): VEDCORP LC ; KENNEDY KENNTH F ; MASON W F ; MASON W F JR ESQUIRE ; CRESTAR BANK ; CRESTAR BANK A CORP

Inventor(s):(std)**:** HOLLAND JOHN M

International class (IPC 8–9): B25J19/00 B25J5/00 B60B19/00 B62D61/06 (Advanced/Invention)

International class (IPC 1–7): B60B39/00 B62D57/00

CPC: B25J5/007 B25J19/005 B60B33/0039 B60B33/0049 B60B33/0055 B60B33/0057 B60B33/0068 B60B33/06 B62D61/06

European class: B25J19/00F B25J5/00W B60B33/00E2 B60B33/00F2 B60B33/00F6 B60B33/00F8 B60B33/00G4A B60B33/06 B62D61/06

US class: 180/211 180/212 180/252

Classification Explorer

Cited documents: US4529052 A, US4463821 A, US4221273 A, US3858673 A, US3822757 A, US3336993 A,

Forward Citations: WO9812498, WO8707056, WO13173047, WO12122633, WO04109158, US9519284, US9448560, US9428295, US9409664, US9174758, US9087314, US8935005, US8930133, US8892240, US8649899, US8606392, US8538692, US8424627, US8412400, US8265873, US8220710, US8068978, US8019472, US7789175, US7734375, US7690448, US7649331, US7634327, US7561941, US7501780, US7468592, US7463001, US7341266, US7089083, US7076331, US6999849, US6948576, US6859684, US6853877, US6810976, US6760646, US6760645, US6708081, US6684127, US6650965, US6587751, US6560511, US6539283, US6519506, US6512965, US6474434, US6470237, US5739657, US5738481, US5720077, US5609216, US5565853, US5213176, US5128598, US4829442, US4821192, US4815840, US4815008, US4777416, US4751658, US4683973, US2017154524, US2017050514, US2016238105, US2016144508, US2012312623, US2012185096, US2011130954, US2011112758, US2011067941, US2011060449, US2010230186, US2009299525, US2008277890, US2008251309, US2008077276, US2008051984, US2008012518, US2007290040, US2007132420, US2007100497, US2007080000, US2007035109, US2006097683, US2006043698, US2005275367, US2005098237, US2005073276, US2005021180, US2004006408, US2003155747, US2003127260, KR101263582, KR101061367, JP63502227, GB2486013, EP2707863, EP1037129, EP0780200, CN105773569, CN105644643, CN104875176, CN104875176, CN103963868, CN103765490, CN103640641,

Abstract:
Source: US4573548A A mobile base for robots or other devices requiring a transport mechanism is disclosed incorporating a plurality of wheels which are simultaneously driven and steered by separate drive sources so as to allow the mobile base to change direction without rotation of the mobile base. In an additional embodiment, each wheel is located on an extensible leg assembly which can be rotated to project outwardly from the mobile base and thereby provide additional stability to the base. This adaptive, retractable leg synchro–drive mobile base uses a third drive source to perform the extension and retraction of the leg assemblies and provides that the wheels maintain their orientation while extension or retraction occurs while the mobile base is in translation and that the wheel orientation returns to its previous state if retraction or extension occurs while the base is not in translation.

0) DE3539934A1 – WHEEL–CHAIR CARRIER INCLUDING A DRIVING AND SLI...

29) Family number: 1916362 (DE3539934A1) © PatBase

Title: Wheel–chair carrier including a driving and sliding link chain and a method of using such a chain

Priority: DE19853539934 19851111

Family:

Publication number	Publication date	Application number	Application date
AT359385 A	19861015	AT19850003593	19851212
AT383032 B	19870511	AT19850003593	19851212
DE3539934 A1	19870514	DE19853539934	19851111

Probable Assignee: STANGL JOSEF

Assignee(s):(std)**:** STANGL JOSEF

Inventor(s):(std)**:** STANGL JOSEF

International class (IPC 8–9)**:** A61G3/02 A61G5/00 A61G5/10 (Advanced/Invention)

International class (IPC 1–7)**:** A61G3/00 A61G5/00

CPC: A61G5/10 A61G3/0209 A61G5/00

European class: A61G3/02A A61G5/00 A61G5/10

Classification Explorer

Cited documents: US3515294 A, US3178193 A, GB1567752 A, EP0026510 A1, DE3413412 A1, DE1605755 B2, CH472213 A,

Forward Citations: DE4414398,

Abstract:
Source: DE3539934A1 There is the technical problem of how to provide a foldable wheel–chair in a simple and inexpensive manner, which can be removed from a motor vehicle by a disabled or handicapped individual and placed onto the street without the help of anybody else and can be moved back into the motor vehicle, while driving with the foldable wheel–chair is to be possible without intereference in any weather and on the most unfavourable terrain. As a solution to this problem there is provided a carrier shaft on which lifting cylinders are guided by means of ball bearings, and on this carrier shaft a cylinder guiding head, an intermediate guide plate, a cylinder guide and a baseplate are also provided, all these parts being connected as mountings to the foldable wheel–chair, and there is provided a driving and sliding link chain in the vicinity of the wheel–chair rest in gripping range of the handicapped individual, which chain can be put on the pair of wheels if and when required.

30) Family number: 5223231 (US4645205A) © PatBase

Title: ATHLETIC EXERCISER FOR PARAPLEGICS AND QUADRIPLEGICS

Priority: US19850752960 19850708

Family:

Publication number	Publication date	Application number	Application date
US4645205 A	19870224	US19850752960	19850708

Probable Assignee: WOLFF LESLIE C

Assignee(s):(std)**:** WOLFF LESLIE C

Inventor(s):(std)**:** WOLFF LESLIE C

International class (IPC 8–9)**:** A63B23/00 (Advanced/Invention); A63B21/008 A63B71/00 (Advanced/Non–invention); A63B23/00 (Core/Invention); A63B21/008 A63B71/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B21/00

CPC: A63B23/00 A63B21/0083 A63B2071/0018 A63B21/4029

European class: A63B23/00 K63B21/008B2 K63B71/00H2

US class: 272/130 272/134 272/143 272/DIG.4 482/113 482/138 482/139

Classification Explorer

Cited documents: US964898 A, US4492375 A, US4465274 A, US4422636 A, US4235437 A, US4183520 A, US4171802 A, US3128094 A, US2831687 A, GB188918311 A, GB18311, GB1153143 A,

Forward Citations: WO05110552, WO05110552, USD697565, US9011301, US8333681, US8012073, US7922635, US7608028, US7608022, US7267641, US7115080, US7108641, US7083554, US7070545, US5368536, US5362297, US5269738, US5180161, US5125877, US5123886, US5092585, US5058887, US5002269, US4979734, US4951939, US4915379, US4826157, US4786051, US4765614, US4728101, US2010323852, US2010144496, US2007072751, US2007010383, US2006240957, US2005250619, US2005101464, US2004157712, US2004023762, US2002077230, US2002035017, AU612901,

Abstract:
Source: US4645205A An athletic exerciser comprising a fixed support post having a support pipe telescoped in and rotatable in the support post and supporting a pair of exercise swing arms from its upper end. The swing arms have downwardly depending arm portions connected at their ends by handlebars. A bench is supported at its rear end with respect to the support post by means of a vertical pivot rod extending into a corresponding tube portion carried by the post so that the bench can be swung sidewardly or can be removed completely from the post by lifting the pivot rod out of the tube portion. The pipe carrying the swing arms on its upper ends has a portion extending sidewardly so that this portion can either extend forwardly of the exerciser toward the distal end of the bench or oppositely so that the pivot for the arms moves from over the forward end of the bench to a place spaced substantially rearwardly of the user whereby one of the handlebars moves essentially horizontally and the other of the handlebars moves essentially vertically when the pipe is swung to bring one or the other of the handlebars over the bench. A cushion is fixed on the support post at the rear end of the bench when in place for supporting the user when he straddles the bench facing forwardly. A hydraulic piston cylinder assembly carried at the upper end of the pipe restrains the swinging movement of the exercise arms.

0) US4647046A – GOLF GAME

31) Family number: 9457882 (US4647046A) © PatBase

Title: Golf game

Priority: EP19870400392 19870223 US19850780197 19850926

Family:

Publication number	Publication date	Application number	Application date
EP0279995 A1	19880831	EP19870400392	19870223
US4647046 A	19870303	US19850780197	19850926

Probable Assignee: HURT PATRICIA L

Assignee(s):(std)**:** HURT JAMES E ; HURT JAMES EMORY

Assignee(s): HURT PATRICIA L

Inventor(s):(std)**:** HURT JAMES E ; HURT JAMES EMORY

Designated states: BE DE FR GB LU NL SE

International class (IPC 8–9)**:** A63B67/02 (Advanced/Invention); A63B71/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** A63B67/02

CPC: A63B67/02 A63B2071/0018 A63B2210/50

European class: A63B67/02 K63B210/50 K63B71/00H2

US class: 273/176E 273/180 473/162

Classification Explorer

Cited documents: US4133534 A, US4108440 A, US4098507 A, US3909006 A, US3843136 A, US3591176 A, US3464704 A, US3342494 A, US3138387 A, US2827299 A, US2539046 A, US1870536 A, US1822244 A, US1736316 A, GB358362 A, FR2357269 A1, CH418924 A,

Forward Citations: WO9412248, US8951135, US6152830, US6146284, US6010414, US5863256, US5413344, US5067716, US2009054170, US2005049086, GB2260910, GB2260910, FR2662089, ES2034883, EP0426916,

Abstract:
Source: US4647046A A portable, miniature golf game adapted for indoor/outdoor use and particularly useful for wheel chair bound and prosthetic wearing persons which may be easily assembled and disassembled without special tools comprised of parts which may be interfitted together to form a variety of configurations allowing the golf holes to be disposed in varying and different situations confronting the player with a full golf game in a small area, each hole presenting different physical and mental challenges to the player. The different configurations are made from an assembly of parts which include barriers in the shape of open rectangles, and a swingable gate mounted on a threshold member provided with an inclined ramp. The gate and ramp allow wheel chairs to move onto the golf ball playing area.

0) EP0213394A1 – TRACK–TYPE TRANSPORTER FOR STAIRS. TREPPENRAUP...

32) Family number: 4388918 (EP0213394A1) © PatBase

Title: Track–type transporter for stairs.

Priority: DE19853530695 19850828 EP19860110442 19860729

Family:

Publication number	Publication date	Application number	Application date
AT32444 E	19880215	AT19860110442T	19860729
DE3530695 C1	19870402	DE19853530695	19850828
EP0213394 A1	19870311	EP19860110442	19860729
EP0213394 B1	19880210	EP19860110442	19860729

Probable Assignee: KLEINDIENST GMBH

Assignee(s):(std)**:** KLEINDIENST GMBH

Assignee(s): KLEINDIENST GMBH 8900 AUGSBURG DE

Inventor(s):(std)**:** BIHLER FRANZ ING GRAD ; MAURER GUENTER ; MAURER GUNTER ; BIHLER FRANZ ING

Inventor(s): MAURER GUENTER 8906 GERSTHOFEN DE ; BIHLER FRANZ ING GRAD 8900 AUGSBURG DE

Designated states: AT CH FR GB LI NL SE

International class(IPC 8–9)**:** A61G5/06 B62B9/02 B62D55/075 (Advanced/Invention); B62B9/00 (Core/Invention)

International class(IPC 1–7)**:** A61G3/00 A61G5/00 B62B9/02

CPC: A61G5/061 A61G5/066 B62D55/075

European class: A61G5/06A A61G5/06C B62D55/075

Classification Explorer

Cited documents: DE8212087 U, DE7835072 U, DE3328807 A1, DE3225680 A1, DE3146550 A1, DE3137254 A1, DE3020919 A1,

Forward Citations: US6895363, US5335741, US4771839, EP1588683, EP0515199, DE102004010089, AT500567, AT500567, AT500566,

Abstract:
1. A track–type transporter for stairs comprising an undercarriage (4), an endless track band (5) and a non–slidably but pivotably mounted adaptor (19) for receiving a wheelchair (2), characterised in that pivotably mounted ramps (10) for the wheels (3) of the wheelchair (2) are disposed on both sides of the undercarriage (4) of the transporter (1).

0) US4801172A – VEHICLE CLOSURE

33) Family number: 2943804 (US4801172A) © PatBase

Title: VEHICLE CLOSURE

Priority: CA19860519598 19861002 US19850783837 19851003 WO1990US00455 19900125 WO1986US02062 19861001 US19890303447 19890127 US19870049001 19870507

Family:

Publication number	Publication date	Application number	Application date
AT127741 E	19950915	AT19900902543T	19900125
AU198664100 A1	19870424	AU19860064100	19861001
AU199050245 A1	19900824	AU19900050245	19900125
AU630044 B2	19921015	AU19900050245	19900125
CA1276208 A1	19901113	CA19860519598	19861002
DE69022403 D1	19951019	DE19906022403	19900125
DE69022403 T2	19960321	DE19906022403T	19900125
DK0455704 T3	19960115	DK19900902543T	19900125
EP0240555 A1	19871014	EP19860906196	19861001
EP0455704 A1	19911113	EP19900902543	19900125
EP0455704 A4	19921104	EP19900902543	19900125
EP0455704 B1	19950913	EP19900902543	19900125
ES2077673 T3	19951201	ES19900902543T	19900125
GB2189748 A1	19871104	GB19870008003	19861001
GB2189748 B2	19900314	GB19870008003	19861001
GB8708003 A0	19870507	GB19870008003	19861001
JP1924750 C3	19950425	JP19900502902	19900125
JP4503041 T2	19920604	JP19900502902T	19900125
JP6051476 B4	19940706	JP19900502902	19900125
KR950008990 B1	19950810	KR19900072159	19900927
KR960005855 B1	19960503	KR19860009631	19861114
US4801172 A	19890131	US19870049001	19870507
US4940282 A	19900710	US19890303447	19890127
WO8701992 A1	19870409	WO1986US02062	19861001
WO9008666 A1	19900809	WO1990US00455	19900125

Probable Assignee: JOALTO SECURED CREDITORS TRUSTEE CORP

Assignee(s):(std)**:** JOALTO DESIGN INC ; TOWNSEND J A ; TOWNSEND JOHN A

Assignee(s): TAUNSENDO JON EI ; JOHN A TOWNSEND ; TOWNSEND JA ; JOALTO DESIGN INC DETROIT MICH US ; JOALTO SECURED CREDITORS TRUSTEE CORP

Inventor(s):(std)**:** TOWNSEND JOHN A ; JOHN A TOWNSEND

Inventor(s): TAUNSENDO JON EI

Agent(s): FB RICE; FB RICE PTY LTD; SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: AT AU BE BR CA CH DE DK ES FR GB IT JP KP KR LI LU NL NO SE

International class(IPC 8–9)**:** B60J5/06 B62D21/02 B62D23/00 B62D25/20 (Advanced/Invention); B62D21/02 B62D23/00 (Advanced/Non–invention); B60J5/06 (Core/Invention)

International class(IPC 1–7)**:** B60J5/06 B60J5/06 B62D21/02 B62D23/00 B62D23/00 B62D25/00

CPC: B62D25/20 Y10S70/64 B60J5/06

European class: B60J5/06 B62D25/20

US class: 296/146.6 296/155 296/187.03 296/187.12 296/188 296/204 49/40 70/DIG.64

Classification Explorer

Cited documents: US4801172 A, US4567636 A, US4415195 A, US4146021 A, US4090734 A, US3887227 A, US3645043 A, US3567209 A, US2893727 A, US2819114 A, US2785921 A, US2651541 A, US2622919 A, US2214722 A, US2160099 A, US2100561 A, US1940444 A, IT613307 A, GB242592 A, GB1592155 A, GB1085891 A, FR961405 A, FR73938 E, FR2478718 A1, FR1026247 A, FR1013189 A, DE895409 A, DE0895409 B, CH225087 A,

Forward Citations: WO9723361, WO9633881, WO9401297, WO9008666, WO8800892, WO15167775, WO0208004, WO0179027, WO0179027, WO0021767, WO0015454, USRE42492, USD543135, US9045025, US8770656, US8756763, US8714636, US8398026, US8201871, US8151417, US7941897, US7784155, US7614686, US7591504, US7481486, US7413242, US7413240, US7246845, US7210200, US7140075, US7059655, US7007346, US6968650, US6808223, US6669201, US6629352, US6508035, US6497448, US6196619, US5934745, US5921611, US5908216, US5906071, US5806917, US5806620, US5787636, US5741045, US5688019, US5666727, US5644869, US5538283, US5524960, US5495693, US5378036, US5224752, US5094501, US4940282, US2015322697, US2015114577, US2013181486, US2012267057, US2011133518, US2010140406, US2009021050, US2008157567, US2007214606, US2006200947, US2005166363, US2005161980, US2005161968, US2005134091, US2005046235, US2005022342, US2004244144, US2004187263, KR100806257, JP8512079, GB2418893, EP0868321, EP0650417, EP0257350, DE10344993, DE102005044171, AU698767, AU686057, AU630044,

Abstract:
Source: US4801172A A closure assembly for aerodynamically designed automotive vehicles having body sections with door or displaceable panel apertures formed in generally curved exterior walls and multipart aperture closures such as combinations of solid door panels and windows as well as roof panels which are slidably mounted on the vehicle body section and selectively and rotatably movable within the curved exterior vehicle body wall about the circumference of arcs formed by sections through the exterior wall of the vehicle body between closed and at least partially open positions. Each of the closure parts have a dimension in the direction of rotational movement less than the full dimension of the body aperture so as to be cooperatively capable of filling the body aperture when fully and rotatably extended to a closed position and a unitary reinforcing member on the closure and extending across the aperture to reinforce the body section.

0) US4664584A – ROTARY WHEELCHAIR LIFT

34) Family number: 5277133 (US4664584A) © PatBase

Title: ROTARY WHEELCHAIR LIFT

Priority: US19850714485 19850321

Family:

Publication number	Publication date	Application number	Application date
US4664584 A	19870512	US19850714485	19850321

Probable Assignee: BRAUN CORP

Assignee(s):(std)**:** BRAUN CORP

Assignee(s): HARRIS NA ; HARRIS NA ADMINISTRATIVE AGENT AS ; BANK ONE NA

Inventor(s):(std)**:** BRAUN RALPH W ; CZECH EDWARD A ; HEATH KEITH L

International class (IPC 8–9): A61G3/06 B60P1/46 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7): B60P1/44

CPC: Y10S187/901 Y10S414/134 A61G3/06 A61G3/062

European class: A61G3/06

US class: 187/217 187/8.52 187/901 187/9R 414/541 414/921

Classification Explorer

Cited documents: US4551056 A, US4534450 A, US4493603 A, US4493602 A, US4480719 A, US4479753 A, US4133437 A, US4124130 A, US4121695 A, US4113121 A, US3847292 A, US3737009 A, US3710962 A, US3638813 A, GB2137163 A1,

Forward Citations: WO9221532, WO16205472, WO0209972, WO0122911, WO0026060, USRE36805, US9605469, US9527707, US9526663, US9393885, US9308140, US9217535, US8800707, US8562279, US8540474, US8403615, US8398356, US8113760, US7963730, US7862287, US7735839, US7651313, US7543876, US7441995, US7419349, US7413395, US7347658, US7308971, US7284944, US7207765, US6966733, US6929442, US6837670, US6776564, US6698983, US6648579, US6612802, US6601677, US6595738, US6435804, US6357992, US6309170, US6095747, US6053693, US6039528, US6027131, US5960909, US5944473, US5888038, US5865593, US5683221, US5672041, US5605431, US5564884, US5542811, US5524952, US5445488, US5433581, US5382130, US5308214, US5261779, US5224723, US5180275, US5158419, US5149246, US5137411, US5105915, US5052521, US5050590, US4996728, US4966516, US4804308, US2016237733, US2015083771, US2014356118, US2014205392, US2012294699, US2010080678, US2010040452, US2009162175, US2007071569, US2007059136, US2006245886, US2006193708, US2006018743, US2005264020, US2005133309, US2005002769, US2004146386, US2004005203, US2002164238, GB2455774, GB2455774, GB2306435, EP2168544, EP2168544, EP0774243, EP0418987, DE19544056,

Abstract:
Source: US4664584A A rotary wheelchair lift comprising a hydraulic lift having a vertically telescoping slide tube and a horizontal wheelchair platform support arm attached to the lower end thereof. The arm supports a wheelchair platform having a front safety barrier, a rear entry ramp which folds up to become a rear wheel safety barrier, and a platform extension horizontally movable to accomodate wheelchairs of various sizes and types. A switch box and safety handrail assembly is mounted on the upper end of the slide tube. An UP/DOWN swtich causes the platform to be raised or lowered. An IN/OUT switch causes the platform to be rotated into or out of the van around a vertical axis offset from, but parallel to, the slide tube. A latching lever releases the handrail into a vertically downward position where it folds back the front safety barrier which interlocks the extension against horizontal motion preventing falls by able–bodied users traversing the platform. The retraction of the horizontal safety handrail permits unrestricted access to the interior of the vehicle through the side, slide door of the van.

0) US4682784A – WHEELCHAIR WITH VARIABLE RATIO PROPULSION

35) Family number: 5338549 (US4682784A) © PatBase

Title: Wheelchair with variable ratio propulsion

Priority: GB19870012991 19870603 US19860864472 19860519

Family:

Publication number	Publication date	Application number	Application date
GB2206933 A1	19890118	GB19870012991	19870603
GB2206933 B2	19910213	GB19870012991	19870603
GB8712991 A0	19870708	GB19870012991	19870603
US4682784 A	19870728	US19860864472	19860519

Probable Assignee: ANDERSON J E

Assignee(s):(std)**:** ANDERSON J E ; ANDERSON JACK E ; ANDERSON JACK ELLSWORTH

Assignee(s): JACK ELLSWORTH ANDERSON

Inventor(s):(std)**:** ANDERSON JACK E ; ANDERSON JACK ELLSWORTH

Inventor(s): JACK ELLSWORTH ANDERSON

International class (IPC 8–9): A61G5/02 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): B62M1/14 F16H21/42

CPC: A61G5/022 A61G5/025

European class: A61G5/02A2 A61G5/02B2

US class: 280/238 280/242WC 280/244 280/246 280/250.1 D12/133

Classification Explorer

Cited documents: US4447068 A, US4358126 A, US4354691 A, US4005611 A,

Forward Citations: WO9007316, WO0192092, USD635063, US7677586, US6604590, US6557879, US6276703, US6247715, US5846154, US5577748, US5312127, US5232236, US5184837, US5149118, US5020818, US5020815, US4892323, US4863181, US4840076, US2011215547, US2009206574, US2008238023, GB2278582, GB2278582,

Abstract:
Source: US4682784A A wheelchair hand propelled by the occupant. Levers on the sides in juxtaposition with the main wheels of the wheelchair are rotatable in the forward–backward direction about the main wheel axle as a fulcrum. A plurality of concentric ratchet rings affixed to each of the main wheels provides engagement for a discrete one of a plurality of pawls associated with each of the levers. The plurality of pawls is distributed progressively circumferentially about a shaft associated with each of the levers, and means are included to rotate the shaft to bring a discrete one of the pawls into operative relationship with a selected one of the concentric ratchet rings, thereby providing a selectable propulsion ratio. The ratchet teeth are oriented such that the pawls slide over them when the levers are pulled backward, but engage firmly when the levers are thrust forward.

36) Family number: 10116213 (US4718812A) © PatBase

Title: WHEELCHAIR LIFT WITH POSITIVE AUTOMATIC HANDRAIL

Priority: US19860832228 19860224

Family:

Publication number	Publication date	Application number	Application date
US4718812 A	19880112	US19860832228	19860224

Probable Assignee: REB MFG INC

Assignee(s):(std)**:** REB MANUFACTURING INC ; REB MFG INC

Assignee(s): REB MFG

Inventor(s):(std)**:** RISNER MELVIN G ; SMALLEY RAYMOND L

International class (IPC 8–9)**:** A61G3/06 B60P1/44 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7)**:** B60P1/44

CPC: Y10S414/134 B60P1/4442 A61G3/062

European class: A61G3/06 B60P1/44D6

US class: 14/69.5 182/113 187/9R 296/61 414/540 414/921

Classification Explorer

Cited documents: US747899 A, US4627784 A, US4482284 A, US4214849 A, US4138023 A, US4121695 A, US4113121 A, US4056203 A, US3995745 A, US3710962 A, US1639879 A,

Forward Citations: WO07113501, WO03010028, USD633684, USD472690, US8562279, US7326024, US6832667, US6502267, US6398479, US6293748, US6095747, US6039528, US5865593, US5431524, US5305486, US5224723, US5110252, US4976455, US4879843, US2010080678, US2009285658, US2006104775, US2004228713, US2003213653, NL1021891, GB2463886, GB2463886, GB2411162, GB2403203, GB2403203, GB2372482, GB2372482, GB2270885, GB2270885, FR2827822, EP3156025, EP2168544, EP2168544,

Abstract:
Source: US4718812A This concerns a wheelchair lift for a vehicle having upper and lower telescopic frames pivoted about an upper horizontal axis to swing out of the side of the vehicle. The lower telescopic frame is raised and lowered by sprocket chains connected around pulleys on a single hydraulic reciprocating motor anchored to the upper frame. A platform is horizontally pivoted to thelower telescopic frame for movement between a vertical and a horizontal position, either manually or by a separate reciprocating motor. The movement of the platform into its horizontal operating position also automatically swings the telescopic frames out from the side of the vehicle. The platform has pivoted along an orthogonal edge thereof a handrail which automatically raises from an inoperative position parallel to the platform when the platform is folded into its vertical inoperative position to an operative vertical position orthogonal to the platform when the platform is in its operative horizontal position. This motion is positively effected by an offset link connected between the base of the lower telescopic frame and a rotatable and axially slideable mounting axle of the handrail. Safety devices such as manual pump for the single lift hydraulic motor and locking slots on the ends of the cam for operating the handrail when in its operative position are also provided. An outer edge of the platform is provided with a ramp–barrier mechanism that acts as a ramp when the platform is in contact with the ground and the barrier when a platform is away from the ground.

0) US4761847A – FOLDING RAMP

37) Family number: 10264005 (US4761847A) © PatBase

Title: Folding ramp

Priority: US19870066519 19870626

Family:

Publication number	Publication date	Application number	Application date
US4761847 A	19880809	US19870066519	19870626

Probable Assignee: GRAVES J W

Assignee(s):(std)**:** GRAVES J W ; KNIGHT JOHN E ; SAVAGE CARL P ; TATE HAROLD

Inventor(s):(std)**:** GRAVES J W ; KNIGHT JOHN E ; SAVAGE CARL P ; TATE HAROLD

International class (IPC 8–9): B65G69/28 (Advanced/Invention); B65G69/00 (Core/Invention)

International class (IPC 1–7): E01D1/00

CPC: B65G69/30

European class: B65G69/30

US class: 108/112 108/167 14/69.5 182/218 182/223 414/537 52/226 52/228 52/645

Classification Explorer

Cited documents: US963918 A, US4528711 A, US3976209 A, US3936898 A, US3818528 A, US3106826 A, US2635889 A, US2624058 A, US2415461 A, US1568303 A, US1232437 A, US1115775 A, GB688285 A, AT48142 B,

Forward Citations: USD793024, USD783923, US8944743, US8894345, US8695761, US8256053, US7478449, US7350255, US7100232, US7100231, US7082637, US7013518, US6986633, US6957716, US6866464, US6135532, US6009587, US5926889, US5816648, US5791717, US5579866, US5538308, US4874284, US2009056041, US2009020362, US2009016865, US2007289073, US2006225229, US2006123568, US2005055783, US2004226117, US2004098818, US2004083562, US2004022613,

Abstract:
Source: US4761847A A portable folding ramp used for ascending or descending an object or platform. The ramp is comprised of a plurality of rectangular panels, respective ones of adjoining panels being pivotably hinged along adjacent sidewalls such that the ramp may be folded into a compact first state, or unfolded into a second state where the ramp may support a load. The ramp includes a cable and hinge system positioned on the underside of the panels to provide structural support to the ramp in the second state while allowing the panels to be folded into the compact first state.

0) US4805542A – TABLE

38) Family number: 2860506 (US4805542A) © PatBase

Title: TABLE

Priority: US19860939613 19861209 US19880204910 19880610

Family:

Publication number	Publication date	Application number	Application date
US4805542 A	19890221	US19860939613	19861209
US4828208 A	19890509	US19880204910	19880610

Probable Assignee: SUNRISE MEDICAL HHG INC

Assignee(s):(std)**:** JOERNS HEALTHCARE INC

Assignee(s): JOERNS HEALTHCARE OPERATING LLC ; JOERNS HEALTHCARE OPERATING LLC (FKA SUNRISE MEDIC ; SUNRISE HABITAT INC ; SUNRISE MEDICAL CCG INC ; SUNRISE MEDICAL HHG INC ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH ; MERRILL LYNCH CAPITAL ; JOERNS HEALTHCARE OPERATING LLC FKA SUNRISE MEDICA ; JOERNS HEALTHCARE OPERATING LLC (FKA SUNRISE MEDICAL LONG TERM CARE INC) ; JOERNS HEALTHCARE OPERATING LLC FKA SUNRISE MEDICAL LONG TERM CARE INC ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH BUSINESS FINANCIAL SERVICES INC FIRST LIEN ADMINISTRATIVE AGENT AS ; BANKERS TRUST CO ; DEUTSCHE BANK TRUST CO ; DEUTSCHE BANK TRUST CO AMERICAS

Inventor(s):(std)**:** PETERSON WARREN J ; WALDMANN PETER J ; WARNER CHARLES E

International class (IPC 8–9)**:** A47B13/00 A47B13/08 A47B9/00 (Advanced/Invention); A47B13/00 A47B13/08 A47B9/00 (Core/Invention)

International class (IPC 1–7)**:** A47B9/00 F16M13/00

CPC: Y10T16/193 Y10T16/1943 A47B9/00 A47B13/00 A47B13/08

European class: A47B13/00 A47B13/08 A47B9/00

US class: 108/147 108/150 108/27 16/32 16/34 248/129 248/188.2 248/188.7 248/188.8 248/431 312/249.13 312/250

Classification Explorer

Cited documents: US953492 A, US922565 A, US901636 A, US4776547 A, US4650143 A, US4570547 A, US4570410 A, US4566661 A, US4515087 A, US4503780 A, US4488471 A, US4420168 A, US4364148 A, US4363460 A, US4361357 A, US4352479 A, US4339842 A, US4301745 A, US4269096 A, US4239171 A, US4177739 A, US4108455 A, US4053129 A, US4008507 A, US3993004 A, US3968755 A, US3888442 A, US3877669 A, US3869106 A, US3707930 A, US3685851 A, US3664623 A, US3617023 A, US3525492 A, US3517625 A, US3358620 A, US3307814 A, US3115849 A, US3096991 A, US2908031 A, US2791477 A, US2774986 A, US274605 A, US270263 A, US2553939 A, US2524819 A, US251949 A, US2490953 A, US2418514 A, US237050 A, US2342631 A, US2217031 A, US2065952 A, US1899835 A, US1792673 A, US1689626 A, US124106 A, US1229138 A, US120550 A, US1076778 A, US1050352 A, US1022646 A, US1019302 A, US1016324 A, US1007022 A,

Forward Citations: US9144300, US8820827, US8590074, US8100061, US7547044, US7431672, US7219865, US7118500, US7044867, US7020917, US6656065, US6554243, US6435109, US6427963, US6412747, US6412746, US6405990, US6405989, US6401299, US5884882, US5829366, US5806943, US5549072, US5421548, US5368362, US5365862, US5341749, US2012091299, US2011079127, US2009307844, US2009307843, US2008179868, US2006276272, US2005070381, US2004171923, US2004092341, US2003230692,

Abstract:
Source: US4805542A A table is provided with a single retractable caster to facilitate manually transporting the table from one location to another. The retractable caster is located substantially directly below the center of gravity of the table, so that when the caster is extended to an "on" position, the table can be held in a generally poised condition over the caster wheel, and manually rolled across the floor. A pedestal–type base, having radially outwardly extending feet with glides provides outrigger support for the table during transport. The caster is shifted between the extended "on" position, and a retracted "off" position by simply tilting the table slightly about its base, such that a person having ordinary strength and dexterity can easily and safely move the table about a

room without assistance. An institutional version of the table is designed for use in hospitals, nursing homes, and the like, and may include a vertically adjustable top to accommodate both ambulatory and wheelchair patients, as well as a raised, marginal, top edge that forms a spill guard with contrasting colors to facilitate use by the visually impaired.

0) SE468044B – STAIRLIFT TRAPPHISS

39) Family number: 2713102 (SE468044B) © PatBase

Title: STAIRLIFT

Priority: SE19870003341 19870828

Family:

Publication number	Publication date	Application number	Application date
SE468044 B	19921026	SE19870003341	19870828
SE468044 C	19940412	SE19870003341	19870828
SE8703341 A	19890301	SE19870003341D	19870828
SE8703341 A0	19870828	SE19870003341	19870828
SE8703341 L	19890301	SE19870003341	19870828

Probable Assignee: MOTALA HISSAR AB

Assignee(s):(std)**:** MOTALA HISSAR AB ; MOTALA PORTAUTOMATIK BRODERNA ; MOTALA PORTAUTOMATIK BROEDERNA

Assignee(s): MOTALA PORTAUTOMATIK BROEDERNA SUNDSTROEM AB ; MOTALA PORTAUTOMATIK BRODERNA SUNDSTROM AB

Inventor(s):(std)**:** SUNDSTROEM G ; SUNDSTROEM R ; SUNDSTROM G ; SUNDSTROM R

Inventor(s): G SUNDSTROEM ; G SUNDSTROM ; R SUNDSTROEM ; R SUNDSTROM

International class (IPC 8–9)**:** B66B9/08 (Advanced/Invention); B66B9/06 (Core/Invention)

International class (IPC 1–7)**:** B66B9/08

CPC: B66B9/0861 B66B9/083 B66B9/0846

European class: B66B9/08D B66B9/08F

Classification Explorer

Abstract:
A stairlift provided with drive members fitted on the wall of the staircase and comprising a motor 1 and a chain 2 which, through the use of a trolley 3 and arms 4,5, is capable of lifting and displacing a lift platform. The motions of the lift platform are controlled by an iron bar 7 such that from the lower position a vertical motion upwards is first executed before a motion parallel with the staircase is initiated. At its lower end the bar divides and the rollers 9,10 rolling thereupon enclose at the lower end the widening control mechanism, whilst in the other motion along the control mechanism one roller 10 is located above and one roller below the control mechanism 7. The chain 2 and the iron bar 7 must be parallel but can to a certain extent be matched to the staircase in terms of their inclination without special members having to be produced for this purpose.

0) US4890341A – INVALID'S BATHTUB

40) Family number: 3287226 (US4890341A) © PatBase

Title: Invalid's bathtub

Priority: US19890342796 19890425

Family:

Publication number	Publication date	Application number	Application date
US4890341 A	19900102	US19890342796	19890425

Probable Assignee: FORBES JOYCELYN

Assignee(s):(std)**:** FORBES JOYCELYN

Inventor(s):(std)**:** FORBES JOYCELYN

International class (IPC 8–9)**:** A47K3/00 (Advanced/Invention); A47K3/00 (Core/Invention)

International class (IPC 1–7)**:** A47K3/022

CPC: A47K3/006

European class: A47K3/00C

US class: 4/555 4/556 4/559 4/584

Locarno class: 45/55

Classification Explorer

Cited documents: US4523341 A, US4399569 A, US3994330 A, US3662409 A, GB1582900 A,

Forward Citations: USD790047, USD686332, USD605818, US9578993, US9375115, US9254066, US8732871, US8230534, US7926126, US6473915, US6237537, US5940902, US5867850, US5341524, US2017000297, US2012216343, US2010275364, US2010263119, US2010192293, US2009013460,

Abstract:
Source: US4890341A An invalid's bathtub includes a door that has a rail system that is movable from a first position in which it acts as a guide and safety system for the invalid as he enters or leaves the tub, into a second position in which it forms a continuation of a safety rail system located inside the tub. The rail system also operates a lock which locks the door to the tub.

0) US4911425A – WHEELCHAIR USER EXERCISE DEVICE

41) Family number: 3383159 (US4911425A) © PatBase

Title: WHEELCHAIR USER EXERCISE DEVICE

Priority: US19890329664 19890328

Family:

Publication number	Publication date	Application number	Application date
US4911425 A	19900327	US19890329664	19890328

Probable Assignee: KYNAST LUTZ T

Assignee(s):(std)**:** KYNAST LUTZ T

Inventor(s):(std)**:** KYNAST LUTZ T ; LANGBEIN WALTER E

International class (IPC 8–9)**:** A63B21/005 A63B69/16 (Advanced/Invention); A63B21/22 A63B71/00 (Advanced/Non–invention); A63B21/005 A63B69/16 (Core/Invention); A63B21/00 A63B71/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B23/06

CPC: Y10S482/904 A63B71/0009 A63B21/0051 A63B21/225 A63B69/16 A63B2071/0018

European class: A63B21/005B A63B23/035G A63B71/00H K63B21/22F K63B69/16 K63B71/00H2

US class: 272/134 272/69 482/130 482/54 482/904

Classification Explorer

Cited documents: US4846156 A, US4765614 A, US4565385 A, US4389056 A, US3643943 A, US3180138 A, US2979942 A, US2923149 A, US2749747 A, US1155126 A, FR2226658 A2, DE3304707 A1,

Forward Citations: WO9619264, WO9530454, WO07087514, US8936538, US8496564, US8409059, US8241187, US7892156, US7874962, US7604572, US7530935, US6893382, US6716143, US6113519, US6036623, US5871421, US5762593, US5709631, US5688209, US5649883, US5643143, US5536228, US5476429, US2016175638, US2013303334, US2011143893, US2009088300, US2009048078, US2008161172, US2007173392, US2006068978, JP2010240273, GB2303310, GB2303310, EP0908201, AU693888,

Abstract:
Source: US4911425A A manually operated wheelchair user exercise device comprising a pair of ramps each including an open front end and a barriered rear end, it being arranged so that their front ends extended in the same direction and are jointly tiltable between a downwardly inclined forwardly facing position and a level position, with the ramps at their respective rear ends each journaling a plurality of rollers that are flywheel effect equipped and that are spaced apart longitudinally of the respective ramps, which rollers are exposed at the top of the ramps, and including a manually operated mechanism for simultaneously tilting the ramps between a tilted wheelchair receiving position, in which the wheelchair user can back his chair onto the ramps while seated in the wheelchair, with the wheelchair rear wheels reaching and resting on the respective sets of ramp rollers, several of which are braked in the ramp tilted position, and the ramp level position, in which the wheelchair front wheels are braked and the wheelchair user can manually actuate the wheelchair rear wheels for exercise purposes. The rearmost of the respective sets of ramp rollers are equipped to provide independently adjustable resistance at the option of the user.

0) US5253973A – VEHICLES AND VEHICLE LIFTS

42) Family number: 10120863 (US5253973A) © PatBase

Title: VEHICLES AND VEHICLE LIFTS

Priority: CA19892002176 19891103 EP19890912650 19891103 US19910681542 19910503 GB19880025951 19881105 GB19890006059 19890316 GB19890011276 19890517 WO1994US04184 19940415 WO1989GB01316 19891103 US19950449777 19950524 US19930067724 19930526

Family:

Publication number	Publication date	Application number	Application date
AT132440 E	19960115	AT19890912650T	19891103
AT190927 E	20000415	AT19890202520T	19891103
AU199467696 A1	19941220	AU19940067696	19940415
AU680501 B2	19970731	AU19940067696	19940415
CA2002176 AA	19900505	CA19892002176	19891103
CA2159707 AA	19951002	CA19942159707	19940415
DE68925368 D1	19960215	DE19896025368	19891103
DE68925368 T2	19960814	DE19896025368T	19891103
DE68929186 D1	20000427	DE19896029186	19891103
DE68929186 T2	20001123	DE19896029186T	19891103
EP0446224 A1	19910918	EP19890912650	19891103
EP0446224 B1	19960103	EP19890912650	19891103
EP0629524 A1	19941221	EP19940202520	19891103
EP0629524 B1	20000322	EP19940202520	19891103
EP0703766 A1	19960403	EP19940915809	19940415
EP0703766 B1	19970618	EP19940915809	19940415
GB2224992 A1	19900523	GB19890024894	19891103
GB2224992 B2	19930421	GB19890024894	19891103
GB8825951 A0	19881214	GB19880025951	19881105
GB8906059 A0	19890426	GB19890006059	19890316
GB8911276 A0	19890705	GB19890011276	19890517
GB8924894 A0	19891220	GB19890024894	19891103
US5253973 A	19931019	US19910681542	19910503
US5556250 A	19960917	US19950449777	19950524
WO9005072 A1	19900517	WO1989GB01316	19891103
WO9427546 A1	19941208	WO1994US04184	19940415

Probable Assignee: RICON CORP

Assignee(s):(std): FRETWELL P AND J LTD ; P AND J FRETWELL LTD ; RICON CORP ; RICON UK LTD

Assignee(s): MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH ; RICON UK LTD ARDWICK MANCHESTER GB ; RICON UK LTD ARDWICK ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH BUSINESS FINANCIAL SERVICES INC AGENT AS ; SAUCIER STANTON D ; FRETWELL PERCY ; ANTARES LEVERAGED CAPITAL CORP ; DOUCET BERNARD G

Inventor(s):(std): DOUCER BERNARD G ; DOUCET BERNARD G ; FRETWELL PERCY ; SAUCIER STANTON D

Inventor(s): STANTON D SAUCIER ; BERNARD G DOUCET ; FRETWELL PERCY ROCHDALE OL11 5SA GB ; PERCY FRETWELL ; PERCY FRETWELL

Agent(s): LORD AND CO; BULL HOUSSER AND TUPPER LLP; OYEN WIGGS GREEN AND MUTALA

Designated states: AT AU BE CA CH CN DE DK ES FR GB GR IE IT JP KR LI LU MC NL NO PT SE US

International class (IPC 8–9): A61G3/06 B60P1/44 B66F9/12 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7): A61G3/02 A61G3/06 B60P1/44 B66F9/12

CPC: B60P1/44 Y10S414/13 Y10S414/134 A61G3/062 B60P1/445 A61G3/067

European class: A61G3/06 B60P1/44D7

US class: 414/541 414/545 414/549 414/558 414/742 414/917 414/921

Classification Explorer

Cited documents: WO9005072 A1, WO8803484 A1, USRE30462 E, US5265973 A, US4958979 A, US4909700 A, US4880347 A, US4711613 A, US4685860 A, US4579503 A, US4484851 A, US4466771 A, US4325668 A, US4134504 A, US4058228 A, US3498481 A, US3490622 A, US2785807 A, US2774494 A, US2457380 A, US2391813 A, GB2230507 A1, GB2212132 A1, GB2207113 A1, GB2152470 A1, GB2138772 A1, GB2135275 A1, GB2107671 A1, GB1226489 A, GB1027999 A, FR2541206 A1, EP0217467 A1, EP0078065 A2, EP0049582 A1, EP0047730 A1, DE3531853 A1, CH426507 A,

Forward Citations: WO9912506, WO9903704, WO9847458, WO9746199, WO9427546, WO9219465, WO9214431, WO9214431, WO9117736, WO12125703, WO12125703, WO04037606, WO0243986, WO0234566, WO0234566, WO0209972, WO0182853, WO0166381, USD440728, US9603759, US9364376, US9327632, US9125778, US8998558, US8821103, US8763186, US8562279, US8398358, US8327486, US7971891, US7815413, US7810198, US7648324, US7467917, US7453224, US7445416, US7367770, US7326024, US7306422, US7264433, US7052227, US6948903, US6860701, US6854147, US6783315, US6779960, US6767171, US6739825, US6739824, US6733227, US6726435, US6494285, US6464447, US6461097, US6435804, US6431062, US6398479, US6357992, US6305897, US6238169, US6238168, US6210098, US6203266, US6203265, US6190112, US6179546, US6105934, US6095747, US6089817, US6062805, US6053693, US6039528, US6024528, US6019567, US5975830, US5964565, US5899655, US5865593, US5839875, US5676515, US5672041, US5641150, US5556250, US5401135, US2011280700, US2011255943, US2011088178, US2011070057, US2011002763, US2009184487, US2009129906, US2007183881, US2007183880, US2007020075, US2006245883, US2006182573, US2006175791, US2006145651, US2006071501, US2006062657, US2006045706, US2005215371, US2005036867, US2004228713, US2004184906, US2004156705, US2004062629, US2004013507, NL1008208, GB2463886, GB2463886, GB2455053, GB2439894, GB2381255, GB2381255, GB2372482, GB2370557, GB2370557, GB2357074, GB2357074, GB2306433, GB2306433, GB2303350, GB2296003, FR2827821, FR2818895, FR2805784, FR2712267, EP2548541, EP2070499, EP2070499, EP2070498, EP2070498, EP1815834, EP1520570, EP1413476, EP1263623, EP1249363, EP1231104, EP1162165, EP1127738, EP1083142, EP1083142, EP1029523, EP1029523, EP0955029, EP0915778, EP0915778, EP0715986, DE202016001528, DE202014103231, DE19503079, DE19503079, DE102007059943, DE102007059943, BE1018349, BE1013295, BE1013289, BE1008971, BE1007255, AU705929, AT500808,

Abstract:
Source: US5253973A PCT No. PCT/GB89/01316 Sec. 371 Date May 3, 1991 Sec. 102(e) Date May 3, 1991 PCT Filed Nov. 3, 1989 PCT Pub. No. WO90/05072 PCT Pub. Date May 17, 1990.A lift for attachment to a vehicle for moving mobility−impaired passengers between lowered and raised positions for entry and exit. A platform (27) is affixed to an unequal modified parallelogram structure (20), the combination being supported on movable rails (40,41) and carried by rollers (90, 91) for movement by an electric motor (52) between extended and retracted positions in relation to the vehicle. The rails (89) may define a curved portion (89b) to change orientation of the platform combination for storage to an inclined position. The unequal modified parallelogram structure (20) is actuated by a hydraulic ram (34) acting through pivot plates (17, 18) on a common transverse axis (34a) with the upper members of the parallelogram structure (20) to raise and lower the platform (27) so as to incline slightly downward when raised and slightly upward when lowered. The platform may be sectioned with a pivoted part affording a step for the vehicle. The whole lift is capable of being totally in a stowed position for protection from environmental elements.

0) US4926973A – MOBILE WHEELCHAIR LIFT AND BRAKES THEREFORE

43) Family number: 3450865 (US4926973A) © PatBase

Title: MOBILE WHEELCHAIR LIFT AND BRAKES THEREFORE

Priority: US19880282262 19881209

Family:

Publication number	Publication date	Application number	Application date
US4926973 A	19900522	US19880282262	19881209

Probable Assignee: SMITH DAVE W

Assignee(s):(std)**:** SMITH DAVE W

Inventor(s):(std)**:** SMITH DAVE W

International class (IPC 8–9)**:** A61G3/06 B66B9/00 (Advanced/Invention); A61G3/00 B66B9/00 (Core/Invention)

International class (IPC 1–7)**:** B66B9/20

CPC: Y10S414/134 A61G3/063 B66B9/00 Y10T74/159

European class: A61G3/06C B66B9/00

US class: 187/11 187/20 187/213 187/240 187/263 187/27 187/73 187/93 254/378 414/921 74/164

Classification Explorer

Cited documents: US4576539 A, US4499970 A, US4493602 A, US4493479 A, US4347030 A, US4252491 A, US4133437 A, US3994476 A, US3874477 A, US3435915 A, US3291260 A, US2603372 A, US2420903 A, GB2055344 A1,

Forward Citations: WO06060389, WO06060389, US9272844, US9121481, US9051156, US8973713, US8783419, US8739935, US8074810, US7997387, US7981302, US7954602, US7926618, US7856971, US7780015, US7718076, US7560035, US7314572, US7195106, US6467785, US5945040, US5887680, US5862884, US2016091065, US2015027249, US2011315488, US2011174579, US2011116901, US2010314336, US2009301817, US2009044796, US2009016863, US2008042114, US2006182570, US2004238285, FR2854885, EP1817253,

Abstract:
Source: US4926973A A lightweight frame supports a wheelchair platform for up and down movement between four vertical standards, one at each corner. A lifting mechanism includes a winch supported between two of the standards and connected to the platform by cables which pass over pulleys mounted in an upper cross bar pivotally secured and extending between the two posts with the pivot being offset from the longitudinal axis of the crossbar thereby giving a camming or offset partial rotational movement. The winch includes a one way clutch which is disengaged when the platform is elevated but engages automatically as soon as the platform starts to descend thus locking a brake drum to the winch. A brake band extends around the drum and is operatively connected to an offset pin on the upper crossbar by rigid links so that as soon as the platform starts to descend, the brake is automatically applied thus preventing inadvertent downward movement of the platform unless the friction or resistance between the drum and band is overcome by actuation of the winch for controlled lowering of the platform. Wear is automatically compensated for by the linkage between the brake pad and the pin on the upper cross bar which acts in a camming fashion with the offset pivot mounting thereof.

0) US5154569A – WHEELCHAIR LOADING DEVICE FOR AIRCRAFT

44) Family number: 3264734 (US5154569A) © PatBase

Title: WHEELCHAIR LOADING DEVICE FOR AIRCRAFT

Priority: CA19892000898 19891017 US19890305469 19890201

Family:

Publication number	Publication date	Application number	Application date
AU199049003 A1	19900809	AU19900049003	19900201
CA2000898 AA	19900801	CA19892000898	19891017
EP0381497 A1	19900808	EP19900301053	19900201
US5154569 A	19921013	US19900525193	19900517

Probable Assignee: JUST MOBILITY CONSULTING AND DESIGN LTD

Assignee(s):(std): 2535701 MANITOBA LIMITED ; 2535701 MANITOBA LTD ; ERYOU DOUGLAS F ; ERYOU DOUGLAS FRANK ; ERYOU NORMAN D ; ERYOU NORMAN DENNIS ; NORMAN DENNIS ERYOU

Assignee(s): JUST MOBILITY CONSULTING AND DESIGN LTD ; BROWNIE TANK MFG ; BROWNIE TANK MFG CO

Inventor(s):(std): ERYOU DOUGLAS F ; ERYOU NORMAN D ; ERYOU NORMAN DENNIS

Inventor(s): NAME NOT GIVEN ; ERYOU DOUGLAS FRANK

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; CASSAN MACLEAN

Designated states: DE ES FR GB IT

International class (IPC 8–9): A61G3/06 B64F1/315 B65G67/00 (Advanced/Invention); A61G3/00 B64F1/00 B65G67/00 (Core/Invention)

International class (IPC 1–7): A61G3/02 B64F1/30 B64F1/315 B65G67/00 B66F3/22

CPC: Y10S414/134 A61G3/063 A61G2220/10 B64F1/315 A61G3/067 A61G3/068

European class: A61G3/06C B64F1/315 K61G220/10 K61G3/06T

US class: 14/71.3 182/141 187/200 187/244 187/8.59 187/9R 244/137.2 254/126 414/476 414/495 414/537 414/921

Classification Explorer

Cited documents: WO8202031 A1, US4787111 A, US4576539 A, US4572328 A, US4176732 A, US3910264 A, US3888463 A, US3820631 A, US3806092 A, US3620389 A, US3524563 A, US3153544 A, US255223 A, US1963022 A, GB925227 A, GB876241 A, FR2403073 A1, DE909560 A, CA962632 A1, CA1095462 A1,

Forward Citations: WO9400373, WO16057614, WO13116910, WO08143664, WO03105742, US9586794, US9562358, US9382758, US9051156, US8973713, US8893853, US8783419, US8739935, US8662250, US8382126, US8286754, US8113314, US8079447, US8016074, US7926618, US7836536, US7721850, US7377362, US7128186, US7096998, US6869092, US6802391, US6691361, US6676359, US6676358, US6601677, US6502667, US6340280, US6227790, US6182798, US6062809, US5862884, US5632357, US5595470, US5524318, US5499694, US5390760, US5322408, US2015211234, US2012217096, US2012205194, US2012090918, US2011174579, US2010306930, US2010133043, US2009285658, US2009223005, US2009106896, US2009090581, US2008308358, US2008308357, US2008283340, US2008169158, US2008036239, US2007290183, US2007137944, US2006182570, US2006049312, US2006000951, US2004178399, US2003219329, US2003077155, GB2332418, ES2304870, ES2203325, EP2653388, EP1254858, EP0654006, DE4417471, DE4417471,

Abstract:
Source: US5154569A This invention relates to a lift device adapted to transfer wheelchair passengers to commuter aircraft. A base and optional four post system provide support for a vertically moveable platform. An apron, which can be used either as a ramp from lowered platform to ground or a bridge from elevated platform to aircraft is provided. The platform is preferably raised and lowered using ball or acme screw–bushing brackets. The platform can be used to load and unload passengers from rear and front door commuter aircraft, on either side of the fuselage. The lift can be incorporated into a wheeled chassis, which can be lowered into ground contact at the

position of use. Optionally extendible stairs are present to allow other passengers to enter or leave the aircraft using said platform and apron.

0) US4987978A – WHEELCHAIR SAFETY BRAKES

45) Family number: 4435378 (US4987978A) © PatBase

Title: WHEELCHAIR SAFETY BRAKES

Priority: US19890419516 19891010

Family:

Publication number	Publication date	Application number	Application date
US4987978 A	19910129	US19890419516	19891010

Probable Assignee: JUNGERSEN THOGER G

Assignee(s):(std)**:** JUNGERSEN THOGER G

Inventor(s):(std)**:** JUNGERSEN THOGER G

International class (IPC 8–9): B62B5/04 (Advanced/Invention); B62B5/00 (Core/Invention)

International class (IPC 1–7): B60T1/04

CPC: A61G5/1035 A61G5/101 A61G5/1018 B62B5/0485

European class: L62B5/04Y

US class: 188/2.00F 188/2F 280/304.1

Classification Explorer

Cited documents: US4887830 A, US4589525 A, GB2110780 A1, GB1243032 A,

Forward Citations: WO16056882, WO0051870, WO0046086, US9469325, US9080660, US9079594, US8622178, US8616573, US7633757, US7503195, US7316298, US7269895, US7075789, US6992249, US6897377, US6894907, US6865085, US6862180, US6781830, US6655503, US6464044, US6312002, US6253880, US6203041, US6175982, US6131921, US6102166, US6082768, US6035975, US5924704, US5722503, US5713586, US5374071, US5197750, US2008128227, US2006000678, US2005199449, US2005191884, US2005170681, US2005076685, US2005068743, US2004163552, US2004085728, US2003226719, US2003218867, US2003026082, US2003024721, RU2570504,

Abstract:
Source: US4987978A A safety brake for use on an invalid wheelchair, specifically for the purpose of making travel up an incline, such as a ramp, easier and safer. When ascending an incline, the user often has difficulty getting a new grip quickly enough to avoid rolling back downhill. The present invention can, at the user's option, be set to permit travel forward only, or backward only. Thus, it permits the user to safely move up an incline either forward or backward without risk of rolling down when changing the grip of the hands. It consists of a somewhat egg shaped (when viewed from the end) cam on a housing, which has longitudinal serrations on both sides to grip the tire, and which housing is rotatably mounted on a core. The core having two cam segments engageable by a spring loaded cam follower which serves to urge the serrations of the housing against the tire of the wheelchair to permit travel in only one direction, depending upon which of the two cam segments the follower is set to engage, at the user's option. The serrations on the housing cam's one side will slide over the tire in one direction while gripping it if it tries to turn in the other direction. This invention will be activated when the brake lever is set in locked position. When the brake lever is released the wheels can rotate in either direction in the normal way.

0) US5113959A – ELECTRIC DRIVE ATTACHMENT FOR A WHEELCHAIR

46) Family number: 3356439 (US5113959A) © PatBase

Title: ELECTRIC DRIVE ATTACHMENT FOR A WHEELCHAIR

Priority: CA19902024873 19900907 IL19890091588 19890910

Family:

Publication number	Publication date	Application number	Application date
AU199062126 A1	19910314	AU19900062126	19900904
AU632616 B2	19930107	AU19900062126	19900904
CA2024873 AA	19910311	CA19902024873	19900907
EP0419085 A1	19910327	EP19900309649	19900904
HU54485 A2	19910328	HU19900005831	19900907
IL91588 A0	19900429	IL19890091588	19890910
IL91588 A1	19941007	IL19890091588	19890910
JP3178654 A2	19910802	JP19900241030	19900910
US5113959 A	19920519	US19900575222	19900830
ZA9007012 A	19910626	ZA19900007012	19900903

Probable Assignee: PROPEL PARTNERSHIP 1987

Assignee(s):(std): PROPEL PARTNERSHIP 1987 ; TZORA FURNITURE IND LTD ; TZORA FURNITURES IND LTD ; TOZORA FUANICHIYAA IND LTD ; PUROPERU PAATONAASHITSUPU 1987

Assignee(s): TZORA FURNITURE INDUSTRIES LTD ; TZORA FURNITURES INDUSTRIES LTD ; TZORA FURNITURES INDUSTRIES LTD IL ; TZORA FURNITURE IND LTD 1987 ; TZORA FURNITURE IND ; PROPEL PARTNERSHIP 1987 IL ; GILAD SMOLINSKY ZVI ; LEVY MOSHE ; MASTOV EDUARD ; MAUTNER YEHEZKEL ; PROPEL PARTNERSHIP

Inventor(s):(std): MOSHIE REBI ; ZUBI GIRADOOSUMORINSUKII ; ZVI GILAD SMOLINSKY ; YEHEZKEL MAUTNER ; MOSHE LEVY ; MAUTNER YEHEZKEL ; MASTOY EDUARD ; MASTOV EDUARD ; LEVY MOSHE ; GILAD SMOLINSKY ZVI ; EDUARD MASTOV ; EDOUAADO MASUTOBU ; IEHETSUKERU MAUTONAA ; MAUTNER YEHEZEKEL

Inventor(s): MAUTNER YEHEZEKEL IL ; LEVY MOSHE IL ; MASTOY EDUARD IL ; GILAD SMOLINSKY ZVI IL

Agent(s): PHILLIPS ORMONDE FITZPATRICK; FETHERSTONHAUGH AND CO; WOLFF BREGMAN AND GOLLER

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

International class (IPC 8–9): A61G5/04 B60K1/00 B60K7/00 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): A61G5/00 A61G5/04 A61G5/06 B60K1/00 B60K7/00 B62D61/00

CPC: Y10S180/907 A61G5/047

European class: A61G5/04D

US class: 180/11 180/65.6 180/907

Classification Explorer

Cited documents: US4750578 A, US4566707 A, US4019597 A, US3941198 A, US3905437 A, US3719247 A, US3705638 A, US3561555 A, US3059713 A, US1423090 A, GB693983 A, GB1517311 A, FR2238470 A1, EP0236029 A2,

Forward Citations: WO13052778, WO11081617, WO06054608, WO03101364, US9700470, US9615982, US9603762, US9398990, US9370455, US9364377, US9346335, US9308143, US9149398, US9010470, US8960340, US8925943, US8915319, US8910975, US8851210, US8794359, US8684113, US8636089, US8573341, US8534679, US8496080, US8442738, US8430189, US8297388, US8272461, US8172016, US8172015, US7360792, US7344155, US7293801, US7083195, US7007765, US6946650, US6923278, US6899192, US6860347, US6772850, US6766871, US6752224, US6578860, US6533306, US6459962, US6290014, US6176335, US5988304, US5853059, US5575348, US5513716, US5356172, US5201377,

US2015001833, US2012138374, US2011087416, US2010300777, US2010102529, US2010004820, US2009091092, US2007096427, US2006096792, US2006082117, US2005257966, US2005151360, US2004251068, US2004200646, US2004150204, US2004032119, US2004016875, US2003089537, US2003018417, GB2393162, GB2381780, GB2274265, EP1970037, EP1911428, EP0677285, DE19645908, DE19645908,

Abstract:
Source: US5113959A An electric drive attachment for a wheelchair. The drive includes an electric motor constituting the input member of the drive, a wheel adapted to touch the ground and to drive the wheelchair by frictional contact with the ground, and the wheel constituting the output member of the drive. The input member and the output member constitute an integral unit carried by a sleeve−like member slidably mounted to a first position of a mounting member attachable to the wheelchair, and first means are provided to allow the unit to be shifted to, and arrested at, at least two different positions along the first position of the mounting member. In the first position the unit is closer to a reference point on the wheelchair and in the second position the unit is more remote from the reference point.

0) US5064012A – SYSTEM FOR MOTORIZING A SHOPPING CART OR TROLLY...

47) Family number: 4839905 (US5064012A) © PatBase

Title: SYSTEM FOR MOTORIZING A SHOPPING CART OR TROLLY, OR THE LIKE

Priority: CA19892000899 19891017 US19890422510 19891017

Family:

Publication number	Publication date	Application number	Application date
CA2000899 AA	19910417	CA19892000899	19891017
CA2000899 C	19951121	CA19892000899	19891017
US5064012 A	19911112	US19890422510	19891017

Probable Assignee: SARL MARTINE LOSEGO INNOVATIONS

Assignee(s):(std)**:** LOSEGO MARTINE

Assignee(s): SARL MARTINE LOSEGO INNOVATIONS ; SARL MARTINE LOSEGO INNOVATIONS LE TECHNOPARC ; LA SARL MARTINE LOSEGO INNOVATIONS

Inventor(s):(std)**:** LOSEGO MARTINE

Agent(s): GOWLING LAFLEUR HENDERSON LLP

International class (IPC 8–9)**:** B60L9/00 B62B5/00 (Advanced/Invention); B62B5/00 (Core/Invention)

International class (IPC 1–7)**:** B60L9/00 B62B51/04

CPC: Y10S280/04 B62B5/0026

European class: B62B5/00P

US class: 180/19.1 180/65.1 180/68.5 280/33.992 280/DIG.4 D34/17

Classification Explorer

Cited documents: US4484755 A, US4167983 A, US4096920 A, US3575250 A, US3190386 A, FR2610256 A2, FR2604662 A1, FR2591179 A1, FR2587291 A1, FR2557987 A1,

Forward Citations: WO9749161, WO9749161, WO10123427, WO05039961, WO0136248, USD601772, US9669857, US9669659, US9055731, US9010771, US8973716, US8752505, US8684373, US8442738, US8360459, US8096005, US7857342, US7793744, US7699128, US7571914, US7562729, US7549651, US7533742, US7461849, US7389836, US7353089, US7219754, US7007765, US6772850, US6752224, US6739514, US6616049, US6415880, US6343665, US6279672, US6257358, US6220379, US6129276, US6119935, US6008546, US5934694, US5899285, US5773954, US5390753, US5357182, US2016089932, US2013152862, US2011087416, US2011036671, US2009315302, US2009000834, US2008122227, US2007289788, US2007289787, US2007181352, US2007145707, US2007145699, US2007013157, US2006243500, US2006226289, US2006197295, US2006102392, US2005116431, US2005098364, US2005098362, US2004256166, US2004200646, US2003094778, US2002165778, US2002130184, GB2332405, GB2332405, GB2286567, FR2795687, ES2153729, CN103580298, CN103580298,

Abstract:
Source: US5064012A A system for motorizing a shopping cart or the like, the system comprising: a) a drive unit including an electric motor and a motor control circuit; b) a manual control member situated close to the push bar and suitable for acting on the control circuit for controlling both forwards and backwards displacement of the cart; c) a transmission between the motor and at least one wheel of the cart; d) a rechargeable storage battery for powering the motor; e) a feed bar suitable for recharging the battery from a fixed electrical charger, said bar having a front end and a rear end such that its front end is suitable for forming an electrical contact with the rear end of the bar of the preceding cart in a row, with the first cart in a row being connected directly to the charger; f) an electrical connection between said bar and the positive terminal of the battery, when said electrical contact is established between the two above–mentioned bars; and g) a permanent electrical connection between ground constituted by the chassis and the negative terminal of the battery.

0) US5011361A – VEHICLE MOUNTABLE CARRIER FOR THREE–WHEELED SCO...

48) Family number: 4559568 (US5011361A) © PatBase

Title: Vehicle mountable carrier for three–wheeled scooter and the like

Priority: US19880263243 19881027

Family:

Publication number	Publication date	Application number	Application date
US5011361 A	19910430	US19880263243	19881027

Probable Assignee: PETERSON EDWARD A

Assignee(s):(std)**:** PETERSON EDWARD A

Inventor(s):(std)**:** PETERSON EDWARD A

International class (IPC 8–9)**:** A61G3/02 B60R9/06 (Advanced/Invention); A61G3/00 B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60P9/00

CPC: A61G3/0209 B60R9/06

European class: A61G3/02A B60R9/06

US class: 224/497 224/508 224/510 224/519 224/526 224/528 224/537 414/462 414/545

Classification Explorer

Cited documents: US4797042 A, US4775282 A, US4741660 A, US4738581 A, US4705448 A, US4695218 A, US4671729 A, US4400129 A, US4297069 A,

Forward Citations: WO09004622, USRE39646, US9688206, US9545884, US9308140, US9216698, US9114758, US9033641, US9017002, US8985418, US8641359, US8327979, US8132997, US7798760, US7686562, US7527282, US7396202, US7325356, US7278815, US7156403, US6887027, US6830423, US6783315, US6769858, US6746200, US6692215, US6682292, US6655895, US6595398, US6579055, US6547507, US6524054, US6386817, US6352401, US6336413, US6312210, US6260752, US6244813, US6105843, US6007290, US5984613, US5938395, US5853282, US5853278, US5816763, US5810542, US5680976, US5579974, US5567107, US5489110, US5482424, US5431522, US5395020, US5154565, US5137411, US5122024, US2015083771, US2014375040, US2014255135, US2014246637, US2010282527, US2010032244, US2009309330, US2009056592, US2009038889, US2009016866, US2008290627, US2008264990, US2008250984, US2008101899, US2008025828, US2008014065, US2008011796, US2007280807, US2007231114, US2007164069, US2006231581, US2006175791, US2006156610, US2006027998, US2005105995, US2005079037, US2005017470, US2005013682, US2003152449, NL1031124, KR100940797, GB2449308, GB2424636, GB2371287, GB2371287, GB2348868, GB2261415, EP1818219, EP0894485, CN105026227,

Abstract:
Source: US5011361A A carrier for scooters of the type used by disabled persons, which carrier is attachable to a motor vehicle. The carrier has a mast with a power lift which moves a foldable platform between a lowered and a raised position. A weight–sensitive pedal on the platform responds to the presence of a load and defeats the platform fold–up mechanism. In the absence of a load, the platform will assume a folded position against the mast when raised. A fold–down lever with an attached foot pivots to engage the scooter when the platform is raised in a horizontal position with a load thereon.

0) US5022657A – GOLF PRACTICE TEE APPARATUS

49) Family number: 3836990 (US5022657A) © PatBase

Title: Golf practice tee apparatus

Priority: CA19912050982 19910909 US19900579692 19900910

Family:

Publication number	Publication date	Application number	Application date
CA2050982 AA	19920311	CA19912050982	19910909
US5022657 A	19910611	US19900579692	19900910

Probable Assignee: ALBERTA LTD 373470

Assignee(s):(std)**:** 373470 ALBERTA LTD ; ALBERTA LTD 373470

Assignee(s): BUSSIERE JOSEPH P ; BUSSIERE RICHARD A ; BUSSIERE PAUL J ; BUSSIERE DANIEL J ; LINDOP CHRISTOPHER

Inventor(s):(std)**:** BUSSIERE DANIEL J ; BUSSIERE JOSEPH P ; BUSSIERE PAUL J ; BUSSIERE PAUL L ; BUSSIERE RICHARD A ; LINDOP CHRISTOPHER

Agent(s): LAMBERT ANTHONY R

International class (IPC 8–9): A63B57/00 A63B57/10 A63B60/38 A63B69/36 (Advanced/Invention); A63B57/00 (Core/Invention)

International class (IPC 1–7): A63B57/00 A63B69/36

CPC: A63B57/0006

European class: A63B57/00A

US class: 273/201 473/137

Classification Explorer

Cited documents: US4817955 A, US4659081 A, US3966213 A, US3423097 A, US3147980 A, US2295599 A, US2127282 A, US2051253 A, US1965697 A, US1545959 A,

Forward Citations: WO0207827, US8210957, US7775897, US7104421, US7059969, US6440003, US6315676, US6106405, US5683304, US5667222, US5632687, US5624325, US5611737, US5348305, US5338025, US5322291, US2009111597, US2008234061, US2005020370, US2004224782, US2004127302, US2003162598, JP2004503349, EP1303334,

Abstract:
Source: US5022657A The apparatus is comprised of a platform with a teeing mechanism operated by a user. The user depresses a lever arm that depresses a tee and that activates a dispensing mechanism that feeds golf balls to the tee in its depressed position. The mechanism is comprised of a set of levers, a ratchet and an axle which extends into a reservoir of gold ball dispenser. The reservoir includes a hole leading to a chute that terminates at a vertical tube in which moves a depressible tee. On the axle, within the reservoir, is a flexible rotating disk with a plurality of oval holes. As the disk rotates, balls in the reservoir fall into the holes, and as the holes pass over the hole in the reservoir, the balls fall into the chute and onto the tee. The ratchet coordinates the motion of the flexible disk so that one ball is moved into position over the hole in the reservoir for each depression of the tee.

0) US5112076A – WHEELCHAIR WITH REMOVABLE SEAT

50) Family number: 14383462 (US5112076A) © PatBase

Title: WHEELCHAIR WITH REMOVABLE SEAT

Priority: US19900484570 19900223 US19910749153 19910823 US19910790219 19911108 WO1991US01336 19910222

Family:

Publication number	Publication date	Application number	Application date
AU199174631 A1	19910918	AU19910074631	19910222
AU642231 B2	19931014	AU19910074631	19910222
CA2076541 AA	19920820	CA19912076541	19910222
EP0515568 A1	19921202	EP19910905766	19910222
EP0515568 A4	19930630	EP19910905766	19910222
JP5506797 T2	19931007	JP19910506080T	19910222
US5112076 A	19920512	US19900484570	19900223
US5201377 A	19930413	US19910790219	19911108
US5255934 A	19931026	US19910749153	19910823
WO9112975 A1	19910905	WO1991US01336	19910222
WO9309021 A1	19930513	WO1992US09786	19921105

Probable Assignee: HAWORTH INC

Assignee(s):(std)**:** HAROLD R WILSON ; LOVE LIFT L P ; WILSON HAROLD R

Assignee(s): LOVE LIFT OF MICHIGAN LTD ; LOVE LIFT LP ; HAWORTH INC ; HAWORTH INC A MI CORP

Inventor(s):(std)**:** WILSON HAROLD R

Inventor(s): HAROLD R WILSON

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; KIRBY EADES GALE BAKER

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP LI LU MC NL SE

International class (IPC 8–9): A61G5/00 A61G5/02 A61G5/04 A61G5/10 A61G7/10 (Advanced/Invention); A61G5/00 (Advanced/Non–invention)

International class (IPC 1–7): A61G5/00 A61G5/04 A61G5/10 A61G5/14 A61G7/10 B60K1/02 B62D11/04

CPC: Y10S180/907 Y10S297/04 Y10S414/134 A61G5/1002 A61G7/1007 A61G7/1032 A61G5/10 A61G5/107 A61G5/1072 A61G7/1067 A61G7/1076 A61G7/053 A61G5/045 A61G5/1059 A61G7/1019 A61G2200/32 A61G2200/34 A61G2203/14 A61G2203/78 A61G5/0875 A61G5/1051 A61G5/1089

European class: A61G5/04A6 A61G5/10 A61G5/10S12 A61G5/10S2 A61G7/053 A61G7/10N6 A61G7/10V4 K61G200/32 K61G200/34 K61G203/14 K61G203/78 K61G5/08D K61G5/10A K61G5/10G K61G5/10S10 K61G5/10S2 K61G5/10Z5 K61G7/10A6 K61G7/10P6 K61G7/10Z4

US class: 180/6.5 180/65.6 180/907 280/304.1 280/657 280/765.1 280/767 297/344.1 297/DIG.4 4/480 414/92.1 414/921 5/81.1 5/81.10R 5/81.1R 5/87.1 D12/131

Classification Explorer

Cited documents: WO9006097 A1, US5113959 A, US5112076 A, US5039165 A, US503105 A, US4974905 A, US4890853 A, US4862997 A, US4856123 A, US4737997 A, US4719655 A, US4704749 A, US4669943 A, US4643481 A, US4631761 A, US4592562 A, US4569094 A, US4527829 A, US4514867 A, US4477117 A, US4456086 A, US4399572 A, US4375840 A, US4278387 A, US4266305 A, US4255823 A, US4240169 A, US4193147 A, US4157593 A, US4067409 A, US4010499 A, US4007959 A, US3999227 A, US3996632 A, US3940808 A, US3917076 A, US3905437 A, US3905436 A, US3790974 A, US3631696 A, US3629880 A, US3623169 A, US3611449 A, US3452371 A, US3394933 A, US3285619 A, US3099020 A, US2892506 A, US2792052 A, US2681455 A, US2666930 A, US2595651 A, US2498853 A, US2339007 A, US181397 A, US1094117

A, SU1316673 T, GB2141980 A1, GB2135183 A1, GB2017014 A1, GB1421368 A, EP0136763 A2, EP0067069 A1,

Forward Citations: WO9811857, WO9512514, WO9406665, WO9309021, WO16054633, WO15126742, WO13084232, WO12031159, WO12031159, WO12020414, WO11163283, WO11163283, WO11063524, WO10017644, WO06111183, WO06099391, WO06099391, USD786143, USD751468, USD743305, USD742286, USD732439, USD705134, USD673082, USD606909, USD604208, USD598816, US9713559, US9579243, US9549864, US9526663, US9510984, US9510981, US9457992, US9456941, US9393885, US9393167, US9333132, US9217535, US9173800, US8966678, US8935814, US8919626, US8910326, US8876149, US8864205, US8783709, US8783403, US8696017, US8646124, US8622409, US8540474, US8418704, US8414008, US8336133, US8316480, US8156581, US8056163, US7862287, US7845665, US7703850, US7661696, US7651313, US7641217, US7578012, US7568240, US7543876, US7510200, US7461897, US7451512, US7246856, US7207765, US7063344, US7040641, US6976278, US6902178, US6886843, US6866288, US6715845, US6607250, US6547265, US6540250, US6539558, US6431650, US6405816, US6334497, US6331036, US6223364, US6217057, US6209901, US6145612, US6139037, US6042330, US5944338, US5924720, US5884928, US5862874, US5853015, US5729842, US5704439, US5695248, US5674041, US5664266, US5577753, US5568933, US5480173, US5423562, US5409250, US5380034, US5301970, US5255934, US5209322, US5201377, US2017071808, US2014346745, US2014326540, US2014306495, US2014265181, US2014203537, US2014165287, US2013111660, US2013007957, US2012241234, US2012187663, US2012090086, US2011227379, US2011067180, US2010287698, US2010244400, US2010148542, US2010101882, US2010040452, US2010038880, US2009322128, US2009276955, US2009249544, US2009158523, US2009146389, US2009121532, US2009064407, US2008290711, US2008136128, US2008028546, US2008000028, US2007262629, US2007135613, US2007084648, US2007028381, US2007007806, US2006220350, US2006214478, US2006213007, US2006045708, US2005264020, US2005214088, US2005121959, US2005104319, US2004251656, US2004212173, US2003193166, NL1024032, JP2009515560, GB2489621, GB2489621, GB2405156, GB2405156, FR2891454, FR2804861, EP1861060, EP0730855, EP0730855, EP0726859, EP0617942, DE19947372, DE19947372, AU2006223081, AU2006223081,

Abstract:
Source: US5112076A A wheelchair including a wheeled base assembly provided with an upright assembly thereon, the latter including a pair of telescopic vertical post arrangements which are provided adjacent the front corners of the wheelchair and are vertically extendable and retractable. The upright assembly includes a pair of arms which are secured and cantilevered rearwardly from the upper ends of the upright post arrangements. A seat arrangement is removably attached to and positioned between the arms to facilitate transferring of an occupant, along with the seat assembly, either to or from the wheelchair.

0) US5138952A – TRANSIT SYSTEM FOR ROADS AND GUIDEWAY WITH PIVO...

51) Family number: 5113290 (US5138952A) © PatBase

Title: Transit system for roads and guideway with pivotal arm mounted traction wheel for engagement of undersurface of guideway

Priority: CA19922077221 19920831 US19910763442 19910919

Family:

Publication number	Publication date	Application number	Application date
CA2077221 AA	19930320	CA19922077221	19920831
DE69202949 D1	19950720	DE19926002949	19920827
DE69202949 T2	19960201	DE19926002949T	19920827
EP0533364 A1	19930324	EP19920307807	19920827
EP0533364 B1	19950614	EP19920307807	19920827
JP6048128 A2	19940222	JP19920251271	19920921
US5138952 A	19920818	US19910763442	19910919

Probable Assignee: LOW R GLEN

Assignee(s):(std)**:** AARU GUREN ROU ; LOW R GLEN ; LOW R GLENN

Assignee(s): LOW R GLENN MINNEAPOLIS MINN US

Inventor(s):(std)**:** AARU GUREN ROU ; LOW R GLEN ; LOW R GLENN

Inventor(s): LOW R GLENN MINNEAPOLIS MINN ; LOW R GLENN MINNEAPOLIS MINN US

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: CH DE ES FR GB IT LI SE

International class (IPC 8–9): B60F1/00 B60F5/00 B61B13/00 B61B5/02 B61C13/04 B62D1/26 E01B25/28 (Advanced/Invention); B60F1/00 B61B13/00 B61B5/00 B61C13/00 B62D1/00 E01B25/00 (Core/Invention)

International class (IPC 1–7): B60F1/00 B60F5/00 B61B13/00 B61C11/00 B62D1/26 E01B25/00

CPC: B61B5/025 B61C13/04 B62D1/26 E01B25/28

European class: B61B5/02B B61C13/04 B62D1/26 E01B25/28

US class: 104/130 104/130.07 104/139 105/72.2 105/722

Classification Explorer

Cited documents: WO9000996 A1, US4671185 A, US4326465 A, US4213396 A, US4000700 A, US3913491 A, US3874299 A, US3845719 A, US3841225 A, US3782292 A, US3780666 A, US3643601 A, US3254608 A, JP54120116 A2, DD120918 Z, CH413722 A,

Forward Citations: WO9809861, US8038022, US7966943, US6859009, US6668729, US6374948, US6263799, US6039135, US6029104, US5992575, US5845583, US5794535, US5778796, US5706735, US5598783, US5592883, US5590604, US5590603, US2010043665, US2006201376, US2006174795, GB2297954, GB2297954, EP2284635, EP1169684, EP0923480, AU729471,

Abstract:
Source: US5138952A A transit system employing multiple modes of operation. The system includes a guideway having a portion over which a vehicle traverses from one location to another, the traverse portion having a longitudinally–extending slot formed generally centrally therewithin. The guideway also includes an entry ramp which directs a traction drive wheel stem to centrally position the vehicle on the guideway. The system also includes a vehicle which is configured for travel over both a roadway and the guideway. The vehicle includes a chassis supported by a plurality of motive wheels. The chassis mounts a stem for pivoting between an upper, retracted position and a lower, extended position. The stem mounts, at its lower end, a traction drive wheel which engages an undersurface of the guideway to accomplish movement of the vehicle during the guideway mode of operation. Means are provided for both driving the motive wheels, during the roadway mode of operation, and the traction drive wheel, during the guideway mode of operation. An on–board computer controls guidance of the vehicle over the guideway system.

0) US5160236A – RETRACTABLE VAN SIDE DOOR RAMP

52) Family number: 14452786 (US5160236A) © PatBase

Title: RETRACTABLE VAN SIDE DOOR RAMP

Priority: CA19922077065 19920825 US19910738628 19910731 WO1992US06855 19920821

Family:

Publication number	Publication date	Application number	Application date
CA2077065 AA	19940226	CA19922077065	19920825
US5160236 A	19921103	US19910738628	19910731
WO9404391 A1	19940303	WO1992US06855	19920821

Probable Assignee: REDDING CHARLES E

Assignee(s):(std)**:** REDDING CHARLES E ; REDDING EDWARD M

Inventor(s):(std)**:** REDDING CHARLES E ; REDDING EDWARD M

Agent(s): MCCARTHY TETRAULT LLP

Designated states: AT BE CH DE DK ES FR GB GR IE IT LU MC NL NO SE

International class (IPC 8–9)**:** A61G3/06 B60P1/43 B65G69/28 (Advanced/Invention); A61G3/00 B60P1/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/00 B60P1/43 B65G69/28

CPC: Y10S414/134 A61G3/061 B60P1/431 A61G3/067

European class: A61G3/06A B60P1/43A

US class: 14/71.1 14/711 414/522 414/537 414/921

Classification Explorer

Cited documents: US5064335 A, US502568 A, US4827548 A, US4778328 A, US4759682 A, US4671730 A, US4479753 A, US4294571 A, US4235399 A, US4143281 A, US4131209 A, US4078678 A, US4026387 A, US3941261 A, US3874527 A, US3711882 A, US3651965 A, US3302229 A, US3193321 A, US2892556 A, US2788751 A, US2659504 A, US2480047 A, US2370427 A, US2233181 A, US1884513 A, US1777966 A, US1717303 A, US147600 A, GB936484 A,

Forward Citations: USD615457, USD615456, US9526663, US9393885, US9217535, US8936275, US8926254, US8540474, US8505141, US8413591, US8375496, US8359691, US8286290, US8250693, US8181300, US8132281, US8122553, US8028629, US7862287, US7854437, US7802337, US7681272, US7651313, US7641209, US7543876, US7533434, US7533433, US7533432, US7527467, US7264433, US7207765, US7052227, US7025004, US6863000, US6860701, US6802095, US6678910, US6616396, US6536064, US6409458, US6238168, US6223364, US6210098, US6203265, US6186733, US6179545, US6042330, US6010298, US5988973, US5935011, US5893698, US5832555, US5800115, US5676515, US5393192, US5380144, US5357869, US5305486, US5257894, US2011239381, US2010040452, US2009274542, US2009126179, US2009106918, US2009035113, US2009035112, US2009035111, US2008273956, US2008187425, US2007231114, US2007116534, US2005264020, US2005215371, US2004256827, US2004146385, US2004013507, GB2455764, GB2322353, GB2322353, AT409618,

Abstract:
Source: US5160236A An elongated ramp is provided for longitudinal extension and retraction relative to a predetermined margin of a support structure therefor. The ramp includes a longitudinally short base end section and a considerably longer outer end section and the support and ramp include coacting guide structures for supporting and guiding the ramp during extension and retraction thereof, the outer end section of the ramp being automatically disengaged from the support and guide structure responsive to the ramp approaching its fully extended position. In a first form of ramp, a biasing structure is operatively connected between the sections yieldingly resisting downward swinging of the outer end section as it disengages from the support and guide structure during extension of the ramp and the biasing structure is operative to counteract a major portion, only, of the force of gravity acting upon the outer end section to swing the outer end thereof downwardly as the ramp moves to its fully extended position. A second form of ramp structure is provided for gently lowering the outer end of the ramp to the ground after full ramp extension and also for raising the outer portion of the ramp to an essentially horizontal position prior to ramp retraction.

0) AU199214701A – A WHEEL CHAIR CARRIER

53) Family number: 8472086 (AU199214701A) © PatBase

Title: A wheel chair carrier

Priority: AU1991PK05972 19910503 AU19920014701 19920406

Family:

Publication number	Publication date	Application number	Application date
AU199214701 A1	19921105	AU19920014701	19920406
AU654705 B2	19941117	AU19920014701	19920406

Probable Assignee: ANDREW GEOFFREY BIRT

Assignee(s):(std)**:** ANDREW GEOFFREY BIRT

Assignee(s): BIRT ANDREW GEOFFREY

Inventor(s):(std)**:** BIRT ANDREW GEOFFREY

Inventor(s): ANDREW GEOFFREY BIRT

Agent(s): AGBIRT

International class (IPC 8–9): A61G3/08 A61G5/10 B60R9/06 (Advanced/Invention); A61G3/00 A61G5/00 B60R9/00 (Core/Invention)

International class (IPC 1–7): A61G3/08 A61G5/10 B60R9/06

Classification Explorer

Cited documents: AU5033479 A1, AU4697579 A1,

Abstract:
Source: AU199214701A DEFINING THE INVENTION ARE AS FOLLOWS: 1. A wheelchair carrier for transporting a wheelchair on a vehicle, the carrier comprising: a mounting means adapted for mounting the wheelchair carrier onto the vehicle; a frame for carrying said wheelchair; and, pivot means for pivotably connecting said frame to said mounting means, whereby, in use, said frame can pivot between a loading position in which said wheelchair can be directly wheeled onto the frame and, a carrying position in which said wheelchair is carried above the ground by the frame and can be transported by the vehicle. 2. A wheelchair carrier according to claim 1, wherein said pivot means is located such that when said wheelchair is loaded into said wheelchair carrier with said frame in the loading position, the centre of gravity of the frame and wheelchair is moved toward the pivot means thereby decreasing the torque required to pivot the frame to the carrying 2Q position. 3. A wheelchair carrier according to claim 1 or 2, wherein said frame includes wheel receiving means for receiving a wheel of said wheelchair when the wheelchair is loaded into the frame. 4. A wheelchair carrier according to claim 3 wherein, said wheel receiving means is movable between an opened position in which said wheelchair can be loaded into the frame and a closed position in which said wheelchair cannot be loaded into the frame. 5. A wheelchair carrier according to claim 4, wherein when said frame is in the loading position and said wheel receiving means is in the opened position, an end of said wheel

0) US5180275A – ROTARY BUS LIFT WITH POWER STOWABLE PLATFORM

54) Family number: 8337208 (US5180275A) © PatBase

Title: ROTARY BUS LIFT WITH POWER STOWABLE PLATFORM

Priority: US19910706583 19910528 WO1992US04430 19920526

Family:

Publication number	Publication date	Application number	Application date
AU199221595 A1	19930108	AU19920021595	19920526
US5180275 A	19930119	US19910706583	19910528
WO9221532 A1	19921210	WO1992US04430	19920526

Probable Assignee: BRAUN CORP

Assignee(s):(std)**:** BRAUN CORP

Assignee(s): HARRIS NA ; JP MORGAN CHASE BANK NA ; HARRIS NA ADMINISTRATIVE AGENT AS ; BANK ONE NA ; BRAUN A CORP OF INDIANA CORP

Inventor(s):(std)**:** CRAWFORD KEVIN L ; CZECH EDWARD A ; GOODRICH RONALD W ; GOODRICH RONALD WAYNE ; CZECH EDWARD ALBERT ; CRAWFORD KEVEN LEE

Inventor(s): KEVEN LEE CRAWFORD ; RONALD WAYNE GOODRICH ; EDWARD ALBERT CZECH

Designated states: AT AU BE CA CH DE DK ES FR GB GR HU IT JP KP KR LU MC NL NO SE

International class (IPC 8–9)**:** A61G3/06 B60P1/44 (Advanced/Invention); A61G3/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/00 B60P1/44

CPC: Y10S414/134 A61G3/06 A61G3/062 A61G2220/16

European class: A61G3/06

US class: 187/200 187/9R 414/540 414/541 414/543 414/921

Classification Explorer

Cited documents: US5026244 A, US4685858 A, US4664584 A, US4479753 A, US4251179 A, US4121695 A, US3847292 A, US3638813 A, US3182826 A,

Forward Citations: WO9847458, WO16162746, WO15038479, WO13142280, WO05113999, WO05113999, WO0026060, USD472690, USD440728, US9700470, US9605469, US9603762, US9526663, US9393885, US9370455, US9364377, US9346335, US9308143, US9308140, US9217535, US9149398, US9132763, US9101519, US9010470, US8925943, US8910975, US8807905, US8794386, US8794359, US8672605, US8636089, US8573341, US8540474, US8534679, US8500388, US8439623, US8312953, US8297388, US8272461, US8172016, US8172015, US8113760, US7988399, US7978119, US7960853, US7959403, US7896134, US7862287, US7816878, US7798761, US7798760, US7717663, US7671483, US7651313, US7597163, US7594556, US7551995, US7543876, US7530226, US7472767, US7441995, US7419349, US7417395, US7413395, US7410535, US7374002, US7274980, US7219755, US7210246, US7207765, US7066290, US7055634, US7040429, US6935448, US6923280, US6887027, US6860701, US6837670, US6793269, US6779960, US6595738, US6554086, US6435804, US6398479, US6357992, US6340280, US6238168, US6203266, US6203265, US6053693, US5960909, US5944473, US5890545, US5865593, US5751124, US5703450, US5672041, US5653568, US5628610, US5613825, US5605431, US5542811, US5524952, US5445488, US5431524, US5401135, US2016237733, US2015083771, US2015044006, US2014044513, US2013006444, US2010283581, US2010102529, US2010040452, US2010013172, US2010004820, US2009271077, US2009259371, US2009133334, US2008223659, US2008208394, US2008187418, US2008184623, US2008101905, US2008085173, US2008044268, US2008025828, US2007267992, US2007217898, US2007182249, US2007071569, US2006255581, US2006249317, US2006244249, US2006213705, US2006062655, US2006037479, US2006021806, US2006018743, US2005264020, US2005225040, US2005077111, US2005002769, US2004159476, US2004146386, US2004135395, US2004013507, US2003075365, ITMO20100057, EP2165690, DE4342373, DE202012000642, AU2013235424,

Abstract:
Source: US5180275A Passive rotary wheelchair lift that is retrofittable in transit vehicles on either the forward or rearward edge of a side double−door step well. The lift employs in its preferred embodiment a double slide tube having a box frame with a cross header. A hydraulic cylinder actuates a pair of chains, one descending down each lift tube to operate the vertical lift. A manual hand pump is provided in the case of power failure. Secured to the bottom of inner telescoping lift tubes is a plate carrying a power actuator for rotating the lift platform from a deployed horizontal position to a vertical stowed position. In the stowed position the platform is approximately 26 inches in length and 36 inches in width. The platform has one or more slide−mounted extension sections which permit the platform to extend out to a full 51 inches. Manual or power−actuated wheel stops are provided at the rear entry and the forward end, for either one way or two way entry/exit onto the platform. Lockout circuitry prevents the actuators from rotating or stowing if the platform is not in its full raised position. Actuator clutch mechanism prevents the platform from being stowed if it is occupied. As installed, one of the double doors is openable permitting the stairwell to be used by an able−bodied person. The stowed platform is nested against a transit seat and remains behind the closed door half of the double−door pair. For use by a wheel chair user, both doors are opened and the lift is deployed, rotated and actuated to raise or lower the user to the ground, platform or curb. A special power actuating and ground contact locking plate is employed to permit the entry the entry wheelstop to be both power actuated and pivoted to the stowed position. The actuators can be disconnected for full manual operation in the event of power failure. A variety of lockout switches and circuitry is shown.

0) US5299904A – VEHICLE LIFT WITH CONTACT SENSOR

55) Family number: 11511760 (US5299904A) © PatBase

Title: VEHICLE LIFT WITH CONTACT SENSOR

Priority: US19920858994 19920326

Family:

Publication number	Publication date	Application number	Application date
US5299904 A	19940405	US19920858994	19920326

Probable Assignee: HOGAN MFG INC

Assignee(s):(std)**:** HOGAN MFG INC

Assignee(s): HOGAN MFG INC A OF CA CORP ; HOGAN MFG

Inventor(s):(std)**:** KEMPF DALE ; SIMON CURTIS J

International class (IPC 8–9)**:** A61G3/06 B60R3/02 (Advanced/Invention); A61G3/00 B60R3/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/44

CPC: Y10S414/134 B60R3/02 A61G3/062 A61G2220/16 A61G3/067

European class: A61G3/06 B60R3/02

US class: 414/541 414/545 414/921

Classification Explorer

Cited documents: US5158419 A, US5052879 A, US4941216 A, US4928330 A, US4909700 A, US4787111 A, US4751983 A, US4671730 A, US4583466 A, US4576539 A, US4544321 A, US4466771 A, US4407623 A, US4392771 A, US4369984 A, US4251179 A, US4134504 A, US4071152 A, US3984014 A, US3955827 A, US3588160 A, US2797104 A,

Forward Citations: WO05049357, WO05049357, US9101519, US7978119, US7913628, US7816878, US7798761, US7784406, US7551995, US7191038, US6983196, US6825628, US6409458, US6238168, US6203265, US6186733, US6095747, US6039528, US6010298, US5865593, US5832555, US5802773, US5636399, US5632593, US2010283581, US2010282119, US2010058949, US2010043664, US2009271077, US2009259371, US2008276832, US2008184623, US2008044268, US2007088463, US2007086879, US2003206791, US2003007851, US2002175319,

Abstract:
Source: US5299904A A vehicle lift (10) for transporting a wheelchair passenger between a ground–level position adjacent the vehicle (12) to a position adjacent to and substantially coplanar with the vehicle floor (14) includes a contact sensor (16) for detecting when the lift platform contacts a curb or other object. A carriage assembly (20) includes a pair of slides (34) that ride on a pair of rails (36). As the platform is lowered, the relative position of the slides (34) and the rails (36) changes. The sensor (16) detects a relative position of one of the slides (34) and the corresponding rail (36). When the sensor (16) detects a relative position of the slide (34) and the rail (36) indicating that the platform has contacted a curb or other object, the sensor (16) generates a control signal. A lift controller (60) stops lowering of the platform in response to the control signal from the sensor (16).

0) US5358446A – BOWLING RAMP

56) Family number: 11705222 (US5358446A) © PatBase

Title: Bowling ramp

Priority: US19930104713 19930811

Family:

Publication number	Publication date	Application number	Application date
US5358446 A	19941025	US19930104713	19930811

Probable Assignee: BERGMAN DAVID

Assignee(s):(std)**:** BERGMAN DAVID

Inventor(s):(std)**:** BERGMAN DAVID

International class (IPC 8–9)**:** A63D5/00 (Advanced/Invention); A63B71/00 (Advanced/Non–invention); A63D5/00 (Core/Invention); A63B71/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D5/00

CPC: A63B2071/0018 A63B2208/12 A63D5/00

European class: A63D5/00 K63B208/12 K63B71/00H2

US class: 273/129Q 273/129W 473/103 473/56

Classification Explorer

Cited documents: US5082265 A, US4470598 A, US4441710 A, US4368898 A, US4097045 A, US3215436 A,

Forward Citations: WO0072928, USD583004, US8277339, US6475096, US6227981, US6042482, US2011009201, US2010331119,

Abstract:
Source: US5358446A A free standing bowling ramp for physically limited people is disclosed. The ramp includes supporting means, positioning and accelerating means, and means for aiming a bowling ball to target specific pins. The supporting means includes a number of interconnected components and flaps. The positioning and accelerating means includes first and second sloped parallel rails. The rails are sloped such as to prevent a ball from accidentally rolling down a ramp before the bowler intends to release the ball. The aiming means includes a clamp assembly that allows the bowler to reposition the ramp to target specific pins without shifting the entire ramp.

0) US5358447A – BOWLING RAMP

57) Family number: 11705224 (US5358447A) © PatBase

Title: Bowling ramp

Priority: US19930156883 19931123

Family:

Publication number	Publication date	Application number	Application date
US5358447 A	19941025	US19930156883	19931123

Probable Assignee: ERICKSON BERNARD A

Assignee(s):(std)**:** ERICKSON BERNARD A

Inventor(s):(std)**:** ERICKSON BERNARD A

International class (IPC 8–9)**:** A63D5/00 (Advanced/Invention); A63B71/00 (Advanced/Non–invention); A63D5/00 (Core/Invention); A63B71/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D5/00

CPC: A63B71/0009 A63B2071/0018 A63D5/00

European class: A63D5/00 K63B71/00H K63B71/00H2

US class: 473/56

Classification Explorer

Cited documents: US4441710 A, US4097045 A, US3578322 A, US3539183 A, US3481601 A, US3159401 A, US3083967 A,

Forward Citations: US9320958, US8277339, US6475096, US6227981, US6042482, US2015182838, US2013279993, US2011009201, US2010331119,

Abstract:
Source: US5358447A A new and improved bowling ramp useful for acceleration and directional control of a bowling ball by handicapped, disabled, weak and infirm persons of all ages includes a sloping guide track having a lower end adapted to rest on a bowling alley surface and an upper end having a horizontal segment adapted to support a bowling ball at rest. Portable legs are pivotally interconnected at their upper ends to support the upper end of the guide track and a lower end of each leg is adapted to engage the bowling surface in non–slipping engagement to provide lateral stability. The sloping guide track includes a frictional web surface on the downwardly sloping rails of the guide track for causing the bowling ball to spin and provide gyroscopic stability for the bowling ball as it is discharged down the ramp.

0) US2008108917A – EXERCISE APPARATUS AND TECHNIQUE

58) Family number: 8755193 (US2008108917A) © PatBase

Title: EXERCISE APPARATUS AND TECHNIQUE

Priority: US19930089852 19930709 US19940271022 19940706 US19990379851 19990824 US20070006210 20071231 US19950494528 19950623 US19960665076 19960614 US20080006383 20080102 WO1994US07768 19940708 WO1996US11114 19960620

Family:

Publication number	Publication date	Application number	Application date
AU199472577 A1	19950206	AU19940072577	19940708
AU199662925 A1	19970122	AU19960062925	19960620
AU688348 B2	19980312	AU19940072577	19940708
AU724663 B2	20000928	AU19960062925	19960620
CA2166977 AA	19950119	CA19942166977	19940708
CA2166977 C	20061010	CA19942166977	19940708
CA2225448 AA	19971222	CA19962225448	19960620
DE69434390 D1	20050707	DE19946034390	19940708
DE69434390 T2	20060427	DE19946034390T	19940708
EP0707467 A1	19960424	EP19940922128	19940708
EP0707467 A4	19980225	EP19940922128	19940708
EP0707467 B1	20050601	EP19940922128	19940708
EP0840588 A1	19980513	EP19960921805	19960620
EP0840588 A4	19991110	EP19960921805	19960620
JP11508167 T2	19990721	JP19970504008T	19960620
JP3713046 B2	20051102	JP19950504200T	19940708
JP9502366 T2	19970311	JP19950504200T	19940708
US2008108917 AA	20080508	US20070006210	20071231
US2008108918 AA	20080508	US20080006383	20080102
US5788618 A	19980804	US19930089852	19930709
US5954621 A	19990921	US19960665076	19960614
US5976063 A	19991102	US19940271022	19940706
US5980435 A	19991109	US19950494528	19950623
WO9501769 A2	19950119	WO1994US07768	19940708
WO9501769 A3	19950526	WO1994US07768	19940708
WO9700661 A1	19970109	WO1996US11114	19960620

Probable Assignee: KINETECS INC

Assignee(s):(std)**:** KINETECS INC ; KINETICS INC

Assignee(s): HRUSKA RONALD J JR ; JOUTRAS FRANK EDWARD

Inventor(s):(std)**:** HRUSKA J ; HRUSKA JR RONALD J ; HRUSKA RONALD J JR ; JOUTRAS EDWARD ; JOUTRAS FRANK E ; JOUTRAS FRANK EDWARD ; JOUTRAS FRANK EDWARDS

Inventor(s): RONALD J HRUSKA JR ; FRANK EDWARD JOUTRAS ; JOUTRAS FRANK ; HRUSKA RONALD JJR ; HRUSKA RONALD ; HRUSKA RONALD J

Agent(s): CALLINANS; RIDOUT AND MAYBEE LLP; VINCENT L CARNEY LAW OFFICE

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE

International class (IPC 8–9): A43B5/04 A61F5/01 A61F5/052 A61G5/10 A61H1/00 A61H1/02 A61H3/00 A63B19/04 A63B21/00 A63B21/005 A63B21/015 A63B23/00 A63B23/035 A63B23/04 A63B23/08 A63B23/12 A63B23/14 A63B24/00 A63B69/18 A63B71/00 A63C10/04 A63C10/14 A63C10/24 A63C9/00 (Advanced/Invention); A61F5/01 A61H1/00 A61H1/02 A61H3/00 A63B19/04 A63B21/00 A63B21/005 A63B23/04 A63B23/08 A63B23/12 A63B69/18 A63B71/00 A63C10/04 (Advanced/Non–invention); A43B5/04 A61F5/01 A61H1/00 A61H1/02 A61H3/00 A63B21/012 A63B23/00 A63B24/00

A63C9/00 (Core/Invention);
A63B19/00 A63B21/00 A63B21/005 A63B23/035 A63B23/04 A63B69/18
A63B71/00 (Core/Non-invention)

International class (IPC 1-7): A61F5/01 A61F5/052 A61F5/37 A61G5/10 A61H1/00 A61H1/02 A61H3/00 A63B21/00 A63B21/005 A63B21/012 A63B21/015 A63B21/02 A63B23/035 A63B23/08 A63B23/14 A63B24/00

CPC: A61H1/02 A61H1/024 A61H1/0266 A61H1/0277 A61H3/00 A61H2201/165 A61H2201/5007 A61H2201/5058 A63B2220/13 Y10S482/903 A63B21/00192 A63C10/04 A43B1/0054 A43B5/0454 A61F5/0125 A63B19/04 A63B21/0056 A63B21/015 A63B21/157 A63B23/00 A63B23/0494 A63B23/085 A63B23/1281 A63B24/00 A63B69/18 A63B2071/0018 A63B2071/0644 A63B2208/0285 A63B2213/004 A63B2220/16 A63B2220/54 A63B2225/64 A63B2230/08 A63B2230/50 A63C10/145 A63C10/18 A63C10/24 A63B21/4005 A63B21/4015 A63B21/4025

European class: A43B1/00M A43B5/04E14F A61F5/01D3F A61H1/02 A61H1/02L1 A61H1/02L5 A61H1/02M1 A61H3/00 A63B21/015 A63B21/14A2 A63B21/14A7F A63B21/14D2 A63B21/15G A63B23/00 A63B24/00 A63C10/04 A63C10/14B A63C10/18 A63C10/24 A63C9/08D K61H201/16A20 K61H201/50C K61H201/50S K63B19/04 K63B208/02L K63B21/005D K63B21/015 K63B213/00E K63B220/13 K63B220/16 K63B220/54 K63B225/64 K63B23/04K K63B23/08B K63B23/12K K63B230/08 K63B230/50 K63B69/18 K63B71/00H2 K63B71/06D2C3 K63C10/04

US class: 482/114 482/115 482/118 482/5 482/8 482/903 601/34 601/34P

Classification Explorer

Cited documents: WO9501769 A2, WO8802249 A1, WO8700066 A1, US6296595 BA, US6033227 A, US5980435 A, US5813864 A, US5713370 A, US5401226 A, US5368546 A, US5358468 A, US5331851 A, US5313942 A, US5277678 A, US5263911 A, US5207621 A, US5201772 A, US5158519 A, US5148606 A, US5147265 A, US5144943 A, US5117814 A, US5116296 A, US5078152 A, US5062633 A, US5052379 A, US5049079 A, US5037088 A, US4947836 A, US4944508 A, US4934694 A, US4907797 A, US4906192 A, US4905676 A, US4885939 A, US4875469 A, US4869497 A, US4869492 A, US4862875 A, US4858912 A, US4856500 A, US4850585 A, US4824132 A, US4822037 A, US4817588 A, US4801138 A, US4798197 A, US4796631 A, US4795148 A, US4772015 A, US4772012 A, US4765315 A, US4751917 A, US4747595 A, US4741529 A, US4733656 A, US4726582 A, US4718665 A, US4697808 A, US4691694 A, US4678184 A, US4674741 A, US4669451 A, US4665900 A, US4649906 A, US4644938 A, US4637607 A, US4628910 A, US4625962 A, US4569352 A, US4556214 A, US4544154 A, US4538600 A, US4538595 A, US4518163 A, US4508111 A, US4489718 A, US4485808 A, US4436099 A, US4407496 A, US4397308 A, US437776 A, US4374588 A, US4351527 A, US4326708 A, US4323237 A, US4293125 A, US4195835 A, US4159111 A, US3912264 A, US3904196 A, US3515384 A, US3323518 A, US3315959 A, US3086522 A, US2832334 A, US2543729 A, US246984 A, US2439100 A, US2007254778 AA, US2005130742 AA, US2004097330 AA, SU1454461 T, SU1180022 T, GB762695 A, EP0103490 A2, DE4329673 A1,

Forward Citations: WO9840126, WO9733658, WO17004325, WO16201318, WO16161457, WO16131441, WO16003125, WO15084954, WO14113456, WO13038229, WO12177377, WO12177377, WO12086202, WO12039365, WO12005727, WO11088537, WO11008677, WO09138717, WO09110995, WO09110995, WO09076725, WO09063027, WO08008849, WO07049318, WO07019569, WO06088966, WO06084219, WO06084219, WO05074373, WO05074373, WO04103250, WO03099388, WO03099388, WO03088865, WO03088865, WO0239934, WO02092164, WO02092164, WO0176515, WO0176515, WO0172381, WO0078263, WO0078263, WO0047142, WO0012041, WO0012041, WO0012041, WO0006059, WO0006059, USD749227, USD716000, USD693930, USD496464, USD496106, US9713439, US9707104, US9700718, US9693883, US9687377, US9681977, US9669249, US9669212, US9669211, US9668902, US9668888, US9656117, US9649206, US9615955, US9592173, US9586091, US9561118, US9554922, US9539117, US9526636, US9526635, US9521965, US9480918, US9474675, US9474673, US9468578, US9457220, US9445966, US9433814, US9421456, US9402759, US9398994, US9387353, US9375603, US9358414, US9358137, US9352151, US9351856, US9351854, US9345592, US9345591, US9339678, US9339397, US9333097, US9327156, US9320669, US9314609, US9314392, US9308414, US9289680, US9289640, US9282897, US9272186, US9271851, US9242140, US9238137, US9230057, US9222468, US9221177, US9211201, US9149370, US9144709, US9131873, US9101323, US9078774, US9072898, US9066819, US9060914, US9060884, US9060883, US9057361, US9032635, US9028433, US9022958, US9021614, US9017419, US8986397, US8986177, US8958883, US8939924, US8939872, US8938289, US8926534, US8920346, US8915871, US8905950, US8905844, US8900325, US8888723, US8887547, US8870967, US8870798, US8864846, US8858648, US8852292, US8840527, US8834169, US8814949, US8814814, US8808214, US8805521, US8801802,

US8790258, US8784475, US8784343, US8771210, US8753296, US8751179, US8740879, US8740705, US8736087, US8734528, US8709097, US8707768, US8702811, US8679040, US8678979, US8657886, US8657772, US8654073, US8639455, US8620438, US8617254, US8612247, US8600514, US8585620, US8574080, US8551184, US8551029, US8545420, US8512415, US8500823, US8491572, US8487456, US8485952, US8419804, US8395582, US8387437, US8376971, US8353854, US8346367, US8333722, US8323354, US8308794, US8302221, US8299634, US8287477, US8274244, US8273043, US8251934, US8177732, US8171570, US8152640, US8142370, US8140165, US8123709, US8118763, US8112155, US8100844, US8100770, US8079251, US8075633, US8066656, US8062241, US8060945, US8060210, US8058823, US8057550, US8052629, US8048172, US8048007, US8038637, US8025632, US8012108, US8012107, US8012073, US7993291, US7981067, US7967765, US7955285, US7951101, US7946783, US7931567, US7896927, US7883450, US7846115, US7811334, US7811333, US7811242, US7799091, US7775898, US7753610, US7659636, US7652386, US7637959, US7637957, US7591760, US7569022, US7563234, US7559910, US7544174, US7540830, US7534217, US7531006, US7517330, US7500957, US7481782, US7431737, US7416538, US7416537, US7410471, US7396337, US7381192, US7381172, US7381159, US7367958, US7361124, US7192407, US7191477, US7182738, US7179234, US7165276, US7127376, US7127376, US7066896, US6969365, US6935992, US6872187, US6834752, US6827579, US6821233, US6773378, US6770045, US6736766, US6682250, US6632158, US6568869, US6568646, US6565523, US6517503, US6500138, US6456885, US6413232, US6142911, US6139476, US6129690, US5997439, US2016059077, US2016016307, US2015375043, US2015352394, US2015182780, US2015173992, US2015105222, US2014213415, US2014200120, US2014194250, US2014156021, US2014081420, US2013303947, US2013303347, US2013245511, US2013211772, US2013116605, US2013110220, US2013041289, US2012277063, US2012277062, US2012225755, US2012142416, US2011111932, US2011074665, US2011065553, US2011021962, US2010323859, US2010312152, US2010298097, US2010276944, US2010249672, US2010229673, US2010227741, US2010216600, US2010211355, US2010198124, US2010174384, US2009292232, US2009281466, US2009227925, US2009227911, US2009221928, US2009198161, US2009131225, US2009107207, US2009093305, US2009036804, US2009036777, US2009024065, US2008300521, US2008294080, US2008288020, US2008287850, US2008277943, US2008276375, US2008242521, US2008234781, US2008234113, US2008167730, US2008161733, US2008132383, US2008114271, US2008108917, US2008097269, US2008096731, US2008071386, US2008020904, US2008004550, US2007299371, US2007282228, US2007259763, US2007191743, US2007135745, US2007135265, US2007060445, US2007038252, US2007012105, US2006293617, US2006277074, US2006253052, US2006094989, US2006009722, US2005245853, US2005239602, US2005177082, US2005148918, US2005076436, US2005070834, US2005060801, US2005043661, US2004255955, US2004249675, US2004220017, US2004215111, US2004172097, US2004153015, US2004121862, US2004106881, US2004097330, US2003212356, US2002077227, KR101469628, JP2015527167, JP2013000296, JP2012125279, JP2012086202, JP2010269059, JP2010207620, JP2009504267, GB2353953, FR2875140, FR2867358, FR2770784, FR2758733, EP2564816, EP2067462, EP1908499, EP1552492, EP1334704, EP0997167, EP0855203, DE202008002943, DE102014108316, DE102012002554, DE102008011977, CN106132359, CN103169593, BE1017398, AU724663, AU2008338256,

Abstract:
Source: US2008108917A To provide controlled amounts of resistance to movement in exercise equipment or in orthotic devices, a control module has cooperating resistance elements. The force between the elements is varied in accordance with the position of the elements with respect to each other. For example the control module can connect two splints of a knee brace so that the resistance to flexion and extension are programmed in accordance with the position of the leg and thigh with respect to each other.

59) Family number: 11786760 (US5388937A) © PatBase

Title: WHEELCHAIR SECUREMENT DEVICE FOR TRANSIT VEHICLES

Priority: US19930172433 19931223

Family:

Publication number	Publication date	Application number	Application date
US5388937 A	19950214	US19930172433	19931223

Probable Assignee: FARSAI ALI J

Assignee(s):(std)**:** FARSAI ALI J

Inventor(s):(std)**:** FARSAI ALI J

International class (IPC 8–9)**:** A61G3/08 B60P3/077 (Advanced/Invention); A61G3/00 B60P3/06 (Core/Invention)

International class (IPC 1–7)**:** B60P3/06

CPC: Y10S414/134 A61G3/0808 B60P3/077

European class: A61G3/08 B60P3/077

US class: 188/32 410/30 410/9 414/921

Classification Explorer

Cited documents: US5173018 A, US5122024 A, US4771867 A, US4659266 A, US4511171 A, US4267748 A, US4122629 A, US4027747 A, US3922004 A, US3628466 A, DE4013187 A1,

Forward Citations: WO0162543, US9629760, US9616843, US9592761, US9079524, US8651782, US8650735, US8443945, US8308406, US7794187, US7736104, US7717655, US7425110, US6890137, US6837656, US6725979, US6352396, US6257823, US6231283, US6161996, US6149528, US6082957, US5816763, US5713704, US5564984, US2015328067, US2011290596, US2011123286, US2010171284, US2009087278, US2008315548, US2008247837, US2008039794, US2007189871, US2006159542, US2004265084, US2003231936, GB2359530, FR2735359, EP0748618, DE29709994, CN102379782, CN102379782,

Abstract:
Source: US5388937A An automatic push button wheelchair securement device for mounting on the floor of a wheelchair transporting vehicle. As the wheelchair occupant rolls the wheelchair to the designated location on the securement device; by pressing a push button the holding flaps of the securement device will rise by means of two air cylinders to contact the rear large wheels tangentially, hence, providing securement for the chair and preventing it from rolling forward or backward in case of sudden stops or collision of the vehicle. The holding flaps, in another embodiment may be comprised of four individual holding flaps self adjusted and positioned by means of electrical linear actuator and infrared sensing device.

0) US5425615A – COMBINATION FOLDING STAIR AND PLATFORM WHEELCHA...

60) Family number: 11986302 (US5425615A) © PatBase

Title: COMBINATION FOLDING STAIR AND PLATFORM WHEELCHAIR LIFT

Priority: US19940316543 19940930

Family:

Publication number	Publication date	Application number	Application date
US5425615 A	19950620	US19940316543	19940930

Probable Assignee: RICON CORP

Assignee(s):(std)**:** ALL AMERICAN TRANSIT PARTS

Assignee(s): ALL AMERICAN TRANSTI PARTS INC ; MCCOY ERNEST H ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH BUSINESS FINANCIAL SERVICES INC AGENT AS ; REVENUE SERVICE ATTN V GRAY INT ; RICON CORP ; REVENUE SERVICE INT

Inventor(s):(std)**:** HALL JOHN C ; PETERSEN JR LEE B

International class (IPC 8–9)**:** A61G3/06 B60P1/44 B60R3/02 (Advanced/Invention); A61G3/00 B60P1/44 B60R3/00 (Core/Invention)

International class (IPC 1–7)**:** B60R3/02

CPC: Y10S414/134 B60R3/02 B60P1/4421 A61G3/062 A61G2220/16 A61G3/068

European class: A61G3/06 B60P1/44D1 B60R3/02 K61G3/06T

US class: 105/447 280/166 414/541 414/545 414/921

Classification Explorer

Cited documents: USRE33495 E, US5316432 A, US5224723 A, US4556128 A, US4466771 A, US4441850 A, US4270630 A, US4251179 A, US4176999 A, US4164292 A, US4124096 A, US4081091 A, US4027807 A, US3913497 A,

Forward Citations: WO17020491, USD788945, US9669767, US9580910, US9051157, US9010473, US8943631, US8832893, US8813290, US8807283, US8739342, US8631529, US8376084, US8297194, US7815413, US7753171, US7467917, US7445221, US7360814, US6601677, US6068277, US2014020985, US2011271865, US2010236864, US2010176944, US2009129906, US2007212206, US2007183880, US2007126252, US2006163836, DE202012000642,

Abstract:
Source: US5425615A A combination folding stair and platform wheelchair lift which translates from one configuration to the other depending upon the purpose to be served utilizing a series of panels which form a flat platform or alternatively steps and risers and which reciprocate horizontally on a pair of side rails and which are raised and lowered vertically in a pair of side column frames by a pair of hydraulically driven endless chains.

0) US5431524A – VEHICLE TRANSPORT TRAILER

61) Family number: 12032246 (US5431524A) © PatBase

Title: VEHICLE TRANSPORT TRAILER

Priority: US19940249950 19940527

Family:

Publication number	Publication date	Application number	Application date
US5431524 A	19950711	US19940249950	19940527

Probable Assignee: ANTAL DONALD V

Assignee(s): ANTAL DONALD V ; ANTAL DONALD V APT ; HULL BILLY K

Inventor(s):(std)**:** ANTAL DONALD V ; HULL BILLY K

International class (IPC 8–9)**:** A61G3/02 A61G3/08 B60P1/00 B60P3/06 (Advanced/Invention); A61G3/00 B60P1/00 B60P3/06 (Core/Invention)

International class (IPC 1–7)**:** B60P3/06 B60P7/08 E01D15/04

CPC: Y10S414/134 A61G3/0808 B60P1/003 A61G3/0209 B60P3/06

European class: A61G3/02A A61G3/08 B60P1/00B B60P3/06

US class: 296/61 410/23 410/7 414/537 414/921

Classification Explorer

Cited documents: WO9221532 A1, US5259081 A, US5199842 A, US5052879 A, US5026225 A, US4995775 A, US4966392 A, US4718812 A, US4281950 A, US4155468 A, US4060271 A, US3822798 A, US3009732 A, DE2814131 A1,

Forward Citations: WO17017323, WO06029339, WO04075804, US9688206, US9622926, US9339428, US9107786, US8777542, US8651782, US7963730, US7731472, US7455490, US7404505, US7318541, US6966733, US6776564, US6698983, US6688414, US6234732, US6113325, US6012729, US5888038, US2015104281, US2013280002, US2011123286, US2008012258, US2006193708, US2006104772, US2006027619, US2005214091, US2004164114, US2004005203, GB2529821, FR3039392, EP2700389,

Abstract:
Source: US5431524A The vehicle transport trailer (10) has a frame (12) supported by wheels (16). A horizontal platform (18) is supported by the frame (12) and enclosed by front and side walls (22, 24, and 26) and a top (28). The top (28) includes an openable rear portion (34) attached to the front portion (32) by a hinge (36). A ramp (38) is attached to the frame (12) and is pivoted between a vertical position in which it closes an opening (30) and an inclined position with a free edge (42) on the ground. A front securing assembly (56) prevents rearward movement of a transported vehicle (196). A rear securing assembly (140) prevents forward movement of a transported vehicle (196). The front securing assembly (56) includes left and right side hook assemblies (58 and 60) which automatically engage a transported vehicle. The rear securing assembly (140) includes left and right side rear hook and cable assemblies (142 and 144) with cables (148 and 182) attached to cable tensioning arms (150 and 184). The cable tensioning arms (150 and 184) tension the cables (148 and 182) when the ramp (38) is pivoted from the inclined position to a vertical position. Adjustments are provided to accommodate various wheelchairs and carts.

0) US5433581A – WHEELCHAIR LIFT WITH AUTOMATED FOLDING PLATFORM...

62) Family number: 12814541 (US5433581A) © PatBase

Title: WHEELCHAIR LIFT WITH AUTOMATED FOLDING PLATFORM

Priority: US19940178051 19940106 US19950490053 19950613

Family:

Publication number	Publication date	Application number	Application date
US5433581 A	19950718	US19940178051	19940106
US5564884 A	19961015	US19950490053	19950613

Probable Assignee: FARSAI ALI J

Assignee(s): FARSAI ALI J

Inventor(s):(std)**:** FARSAI ALI J

International class (IPC 8–9): A61G3/06 B60P1/44 (Advanced/Invention); A61G3/00 B60P1/44 (Core/Invention)

International class (IPC 1–7): B60P1/48

CPC: Y10S414/13 Y10S414/134 A61G3/062 B60P1/44

European class: A61G3/06 B60P1/44

US class: 254/10R 414/540 414/546 414/556 414/917 414/921

Classification Explorer

Cited documents: US5261779 A, US5111912 A, US4664584 A, US4551056 A, US4140230 A, US3913759 A, JPS57186542, JP57186542 A2,

Forward Citations: WO9908641, WO06072013, WO03104133, WO03104133, USD653833, US9603759, US9139122, US9051156, US8998558, US8973713, US8783419, US8739935, US8079447, US7926618, US7815413, US7721850, US7467917, US7445416, US7419349, US7413395, US7290975, US6837670, US6733227, US6726435, US6478261, US6398479, US6379102, US6357992, US6305897, US6086314, US6042327, US5683221, US2013142604, US2011174579, US2011070057, US2009230071, US2009129906, US2008317569, US2008308358, US2008308357, US2008247853, US2007183881, US2007183880, US2006182570, US2006018743, US2004146386, US2004028513, ES2387161, DE202012000642, AU767571,

Abstract:
Source: US5433581A A wheelchair lift with hydraulic power unit and automated folding platform for installation on the floor, inside the opening defining walls of a vehicle to provide for loading and unloading of wheelchair occupants to and from the vehicle. Completely automated, retractable, collapsable folding platform. Hydraulic power unit (10) of the lift and the hydraulic cylinder (28) are totally enclosed, and contained in the power box. The power unit provides power for upward motion of the platform and gravity descent for downward motion of the platform. The platform is pivotally retracted and held in a vertical position in half of the opening space of the vehicle door. The folding motion is accomplished by a folding arm driven against a cam roller which starts the motion of the ball joint linkages inside the platform tubing structure. This initiates a resulting revolving motion of one half section of the platform which folds the platform in a smooth un–interrupted continuous manner.

0) US5458339A – GOLF BALL SETTING APPARATUS

63) Family number: 12201914 (US5458339A) © PatBase

Title: Golf ball setting apparatus

Priority: US19940272038 19940708

Family:

Publication number	Publication date	Application number	Application date
US5458339 A	19951017	US19940272038	19940708

Probable Assignee: WILDES DAVID

Assignee(s):(std)**:** WILDES DAVID

Inventor(s):(std)**:** WILDES DAVID

International class (IPC 8–9)**:** A63B57/00 (Advanced/Invention); A63B57/00 (Core/Invention)

International class (IPC 1–7)**:** A63B69/00

CPC: A63B57/0006

European class: A63B57/00A

US class: 273/201 473/136 473/137

Classification Explorer

Cited documents: US5346222 A, US5326107 A, US5080357 A, US4995614 A, US4969646 A, US4957296 A, US4949961 A, US4819938 A, US4616826 A, US4575092 A, US4265453 A, US3758118 A, US3448985 A, US3294402 A, US2285342 A, US1868261 A,

Forward Citations: WO9803232, WO12034159, WO03011402, US9119995, US6969324, US6942578, US6929556, US6585603, US6572167, US6328659, US6159105, US5971862, US5704844, US5674130, US5647805, US5624325, US2008234061, US2005282647, US2004229705, US2003004004,

Abstract:
Source: US5458339A An apparatus for setting a golf ball on a tee including: a base having attached supports to provide a framework around which the apparatus is constructed; a tee coupled with the base; a holder for holding a plurality of golf balls; a dislodger to free balls that are lodged within the holder; a rocker arm for individually releasing the balls onto a ramp; and a lever for controlling the rocker arm and ramp, wherein the ball is delivered and placed on the tee.

0) GB2291396A – STOWABLE RAMP APPARATUS

64) Family number: 13217583 (GB2291396A) © PatBase

Title: Stowable Ramp Apparatus

Priority: GB19940014370 19940715

Family:

Publication number	Publication date	Application number	Application date
GB2291396 A1	19960124	GB19940014370	19940715
GB2291396 B2	19971008	GB19940014370	19940715
GB9414370 A0	19940907	GB19940014370	19940715

Probable Assignee: JENMAN DAVID G

Assignee(s):(std)**:** FOWLER PETER K ; JENMAN DAVID G ; FOWLER PETER KELVIN ; JENMAN DAVID GEOFFREY ; BROWNE JOSEPH M ; BROWNE JOSEPH MARTIN

Assignee(s): DAVID GEOFFREY JENMAN ; PETER KELVIN FOWLER ; JOSEPH MARTIN BROWNE

Inventor(s):(std)**:** JENMAN DAVID GEOFFREY ; FOWLER PETER KELVIN ; BROWNE JOSEPH MARTIN

Inventor(s): DAVID GEOFFREY JENMAN ; PETER KELVIN FOWLER ; JOSEPH MARTIN BROWNE

International class (IPC 8–9): B60P1/43 (Advanced/Invention); B60P1/00 (Core/Invention)

International class (IPC 1–7): B60P1/00

CPC: B60P1/431

European class: B60P1/43A

Classification Explorer

Cited documents: US5340267 A, US5253410 A, US4759682 A,

Forward Citations: WO16145178, FR2908092, EP1184025,

Abstract:
Source: GB2291396A Stowable or retractable ramp apparatus (2, Fig 3, not shown) for providing access to a vehicle (4), comprising a ramp (6), a stowing frame 8 which is for securing underneath the vehicle (4) and connecting means 10 for connecting the ramp (6) to the stowing frame 8 such that the ramp (6) is able to be pulled out from the stowing frame or pushed back in when required. The connecting means 10 comprises a pair of pivoting arm arrangements 26 positioned on opposite sides of the ramp (6). Each pivoting arm arrangement 26 comprises a first arm 28, a second arm 30 and a piston device 32. The two arms are pivotally joined with the first arm sliding in the frame 8 and the second arm pivotally attached also to the ramp. The piston device 32, which is preferably gas operated assists pivoting of the second arm 30. Preferably, the second arm/ramp pivot is a slidable pivot 42.; Preferably, the two arms are friction locked together, 56, during operation.

0) US5573266A – VEHICLE BODY LOWERING SYSTEM

65) Family number: 11705676 (US5573266A) © PatBase

Title: Vehicle body lowering system

Priority: US19950387474 19950213 US19960745296 19961108 WO1996US01982 19960212

Family:

Publication number	Publication date	Application number	Application date
CA2212932 AA	19970812	CA19962212932	19960212
EP0807037 A1	19971119	EP19960906430	19960212
EP0807037 A4	20010131	EP19960906430	19960212
US5573266 A	19961112	US19950387474	19950213
US5700026 A	19971223	US19960745296	19961108
WO9625312 A1	19960822	WO1996US01982	19960212

Probable Assignee: SAFE T VANS INC

Assignee(s):(std)**:** SAFE T VANS INC ; ZALEWSKI WOJCIECH T

Assignee(s): MACKENZIE CHRISTOPHER J ; STEELE GUY

Inventor(s):(std)**:** MACKENZIE CHRISTOPHER J ; STEELE GUY ; ZALEWSKI WOJCIECH T

Agent(s): MBM AND CO

Designated states: AT BE CA CH DE DK ES FR GB GR IE IT LU MC NL PT SE

International class (IPC 8–9): B60G17/00 B60G17/017 B60G21/05 B60P1/02 B62D61/12 (Advanced/Invention); A61G3/02 (Advanced/Non–invention)

International class (IPC 1–7): B60G11/26 B60G17/00 B60S9/00

CPC: A61G3/02 B60G17/017 B60G21/051 B60G2200/144 B60G2200/21 B60G2200/31 B60G2202/11 B60G2202/12 B60G2202/312 B60G2202/413 B60G2300/02 B60G2300/22 B60G2300/38 B60G2800/20 B60P1/02 B62D61/12

European class: B60G17/015A4 B60G17/017 B60G21/05C B60P1/02 B62D61/12 K61G3/02 L60G200/144 L60G200/210 L60G200/310 L60G202/11 L60G202/12 L60G202/312 L60G202/413 L60G300/02 L60G300/22 L60G300/38 L60G800/20

US class: 280/6.12 280/6.151 280/6.152 280/704

Classification Explorer

Cited documents: US5306038 A, US5040832 A, US4958584 A, US4778324 A, US4763953 A, US4518057 A, US4213625 A, US3871465 A, US3314685 A, US3218088 A, JP63279912 A2, GB2190335 A1, FR2499001 A1, DE4039660 A1, DE4001601 A1,

Forward Citations: WO13090382, WO06111398, US9403559, US9198814, US9168805, US9145179, US9084710, US9056038, US9033349, US9022706, US9016706, US8967635, US8888118, US8807575, US8702109, US8371589, US8079892, US8029001, US7918465, US7874254, US7837203, US7802801, US7725225, US7412307, US7243606, US7237779, US7185592, US7168370, US6752402, US6739788, US6217010, US2011049828, US2011028068, US2010066041, US2009085370, US2008210119, US2006103083, US2005204951, US2005192282, US2005183627, US2005173882, US2004217561, US2004016361, JP5652970, JP2015000621, GB2439214, FR3020992, FR2893499, FR2769544, EP1867502, EP1787613, EP1787613, EP1577125, EP1541393, EP1541393, EP1449687, EP1449687,

Abstract:
Source: US5573266A The vehicle body lowering system of the present invention is installed in a motor vehicle having a wheeled carriage, a cargo/passenger compartment body, a door in the passenger compartment body for cargo loading and unloading or passenger embarking and debarking, and a spring suspension for the buoyant support of the body above the carriage between a lower position and an upper position. The components of the vehicle body lowering system include a drive for forcing the body into the lower position, where the drive comprises a power source and an interconnection between the body and the carriage, and a manually actuated control for energizing and deenergizing the power source. The interconnection is characterized by an operative condition at which the body is in the lower position under the control of the power source, and an inoperative condition at which the body is freely subject to the buoyant support of the spring suspension. The interconnection

has at least one coupling to the body and at least one coupling to the carriage.

0) EP0739852A2 – IMPROVEMENTS IN OR RELATING TO DOMESTIC THROUGH...

66) Family number: 10681876 (EP0739852A2) © PatBase

Title: IMPROVEMENTS IN OR RELATING TO DOMESTIC THROUGH–FLOOR, VERTICAL LIFTS FOR USE BY PERSONS WITH LIMITED MOBILITY

Priority: GB19950008747 19950428

Family:

Publication number	Publication date	Application number	Application date
EP0739852 A2	19961030	EP19960302917	19960425
EP0739852 A3	19961218	EP19960302917	19960425
GB2300176 A1	19961030	GB19950008747	19950428
GB2300176 B2	19981125	GB19950008747	19950428
GB9508747 A0	19950614	GB19950008747	19950428

Probable Assignee: WESSEX MEDICAL EQUIPMENT COMPA

Assignee(s):(std): WESSEX MEDICAL EQUIPMENT COMPA

Assignee(s): WESSEX MEDICAL EQUIPMENT COMPANY LIMITED

Inventor(s):(std): ERLAM DAVID PAUL ; STEELE ROBERT ADRIAN

Inventor(s): ROBERT ADRIAN STEELE ; DAVID PAUL ERLAM

Designated states: DE ES FR GB IT NL SE

International class (IPC 8–9): B66B11/02 B66B5/02 B66B5/20 (Advanced/Invention); B66B11/02 B66B5/02 B66B5/16 (Core/Invention)

International class (IPC 1–7): B66B11/02 B66B11/04 B66B5/06 B66B5/16 B66B5/18

CPC: B66B5/027 B66B5/20 B66B11/0226

European class: B66B11/02C B66B5/02B B66B5/20

Classification Explorer

Cited documents: WO8301938 A1, US5207295 A, US4700809 A, GB2020926 A1, FR2513612 A1, FR1451791 A, EP0640552 A1, EP0578238 A1, DE9104827 U,

Forward Citations: US5901812, EP2107029, CZ299910, AU2005200669,

Abstract:
Source: EP0739852A2 A domestic, through–floor, vertical lift (10) is adapted for use by persons with limited mobility, the lift (10) being of a type serving only two floors and comprising a car (12) adapted and arranged to ascend and descend vertically between the two floors. The car (12) is lightweight and comprises a chassis (16) engaging rails (14) at the back of the car (12) only. Side panels (18) and a floor panel (20) are assembled to each other and to the chassis (16) by interlocking flanges and are held togther by pre–loaded struts (36, 38, 68) in end–to–end compression. To brake the car (12) from runaway descent, a cord (138) extends up from the car (12) to a low speed governor (144) with a winder (142) which stops unwinding the cord (138) when the descent speed is too fast. The resultant pull on the cord 138 causes it to pull two toothed brake segments (114) into the "on" position, so that their teeth (120) bite into the guide rails (14) to stop the car. With a mains supply failure to the primary motor 184, a battery–driven secondary motor (192) is arranged to be connected by a clutch (202) to take over from the primary motor (184) and the primary motor brake (210) is released.

0) US2001034583A – SPEEDOMETER FOR A MOVING SPORTSMAN

67) Family number: 29953458 (US2001034583A) © PatBase

Title: SPEEDOMETER FOR A MOVING SPORTSMAN

Priority:

US19940344485 19941121 US19960089232 19960602 US19960764758 19961212
US19970867083 19970602 US20000256069P 20001215 US20000201544P 20000503
US19980089232 19980602 US19990353530 19990714 US19980077251P 19980309
US19990141794P 19990630 US20000257386P 20001222 US20000259271P 20001229
US20010784774 20010215 US20030601208 20030620 US20020297270 20021204
US20010848445 20010503 US20000607678 20000630 US20020283642 20021030
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US20150736221 20150610 US20160050203 20160222

Family:

Publication number	Publication date	Application number	Application date
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AU200060656 A5	20010131	AU20000060656	20000630
AU2001297825 AA	20021125	AU20010297825	20011217
CA2291701 AA	19991129	CA19982291701	19980602
EP1007975 A2	20000614	EP19980928854	19980602
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US2001034583 AA	20011025	US20010784783	20010215
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WO9854581 C2	19990422	WO1998US11268	19980602	

Probable Assignee: PHATRAT TECHNOLOGY INC

Assignee(s):(std)**:** DARCY DENNIS ; DARCY DENNIS M ; JOHJAK PAUL ; FLENTOV PETER ; LARKIN ADRIAN F ; PHATRAT TECHNOLOGIES INC ; HOLME ROBERT MUIR ; EDSTROM ERIC R ; JONJAK PAUL ; PHATRAT TECHNOLOGY INC ; LARKIN ADRIAN ; HOLME ROBERT M ; PHATRAT TECHNOLOGY LLC ; PHATRAT TECH INC ; NIKE INC ; DARCY DENTIS ; AMSBURY BURL W ; APPLE INC ; BURKE SHAWN ; VOCK CURTIS A ; YOUNGS PERRY ; PHATRATH TECHNOLOGY LLC ; SARCY DENNIS ; PHATRAT TECHNOLOGY LLP ; TVIPR LLC

Assignee(s): RECON INSTRUMENTS INC ; PHATRAT TECHOLOGY LLC ; COMERICA BANK ; BODKIN ANDREW ; BROWNSTEIN HYATT FARBER SCHRECK LLP ; GREALISH KEVIN J ; FINBERG STEVEN ; MARSHALL CHARLES ; INTEL CORP ; GARMIN INT INC

Inventor(s):(std)**:** AMSBURY BURL E ; AMSBURY BURL W ; ANDREW BODKIN ; BODKIN ANDREW ; BURKE SHAWN ; CHARLES MARSHALL ; CURTIS A VOCK ; DARCY DENNIS ; DARCY DENNIS M ; DENNIS DARCY ; ADRIAN F LARKIN ; EDSTROM ERIC R ; FINBERG STEVEN ; FLENTOV PETER ; GREALISH KEVIN J ; HOLME ROBERT MUIR ; JOHJAK PAUL ; JONJAK PAUL ; LARKIN ADRIAN ; LARKIN ADRIAN F ; MARSHALL CHARLES ; SARCY DENNIS ; SHAWN BURKE ; STEVEN FINBERG ; VOCK CURTIS A ; YOUNGS PERRY ; LARKIN ADIRAN ; HOLME ROBERT M ; DARCY DENTIS ; PERRY YOUNGS

Inventor(s): ROBERT MUIR HOLME ; VOCK CURTIS ; PAUL JOHJAK ; HOLME ROBERT ; ERIC R EDSTROM ; ADRIAN LARKIN ; AMSBURY BURL ; EDSTROM ERIC ; BURL W AMSBURY

Agent(s): SMART AND BIGGAR; LATHROP AND GAGE LC; BANNER AND WITCOFF LTD; KRAMER LEVIN NAFTALIS AND FRANKEL LLP; LATHROP AND GAGE LLP; LATHROP AND GAGE; KRAMER LEVIN NAFTALIS AND FRANKEL; WOMBLE CARLYLE SANDRIDGE AND RICE LLP; VAN COURT AND ALDRIDGE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): A43B3/00 A43B5/06 A61B5/00 A61B5/024 A61B5/08 A61B5/103 A61B5/11 A61B5/145 A61B5/22 A61F5/14 A63B24/00 A63B71/06 A63C11/00 A63C5/06 A63F13/798 A63K3/00 G01B21/00 G01B21/16 G01B5/02 G01B5/10 G01B7/004 G01C17/38 G01C21/16 G01C22/00 G01C22/02 G01C5/00 G01C9/00 G01G19/44 G01G23/00 G01G23/37 G01G7/00 G01G9/00 G01K13/00 G01L1/00 G01L1/04 G01L1/16 G01L1/22 G01L3/24 G01L5/00 G01P1/12 G01P11/00 G01P13/00 G01P15/00 G01P15/02 G01P15/08 G01P15/18 G01P21/00 G01P3/00 G01P3/36 G01P3/42 G01P3/50 G01P3/62 G01P5/08

G01P5/24 G01P7/00 G01S1/08 G01S11/14 G01S17/02 G01S17/58 G01S19/00 G01S19/19 G04F1/00 G04F10/00 G04F5/00 G04F8/08 G06F11/00 G06F11/30 G06F11/34 G06F15/00 G06F17/00 G06F17/40 G06F19/00 G06K9/36 G06Q10/00 G06Q10/08 G06Q30/00 G07C1/10 G07C1/22 G07C1/24 G07F17/32 G08B1/08 G08B13/14 G08B5/36 G08G1/00 G08G1/123 G08G9/00 G21C17/00 H04L12/26 H04M1/00 H04M1/725 H04N5/38 H04N7/16 H04N7/18 H04Q9/00 H04W4/00 H04W4/02 H04W76/02 H05K5/02 (Advanced/Invention);
A61B5/00 A61B5/113 A63B24/00 A63B69/00 A63B69/16 A63B69/18 A63B69/26 A63B71/06 A63K3/00 G01S11/14 G01S15/60 H04N5/38 H04W4/00 H04W4/04 (Advanced/Non-invention);
A63B71/06 A63K3/00 G01B5/02 G01B5/08 G01C22/00 G01P13/00 G01P15/00 G01P3/42 G01S19/00 G06F11/34 G06F15/00 G06F19/00 G07C1/00 G08B13/14 H04N7/16 H04N7/18 (Core/Invention);
A63B24/00 G01S11/00 (Core/Non-invention)

International class (IPC 1-7): A63B71/06 G01C22/00 G01L1/00 G01L3/00 G01L3/24 G01L5/00 G01P11/00 G01P13/00 G01P3/00 G01P3/50 G01P5/00 G01P7/00 G01P9/00 G04F1/00 G04F10/00 G04F8/08 G06F11/00 G06F11/30 G06F11/32 G06F15/00 G06F17/00 G06F17/40 G06F19/00 G08C19/06 H04N17/00

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US class: 1/1 177/245 235/105 235/444 324/109 340/323R 340/539.11 340/539.13 340/539.26 340/539.32 340/539.320P 340/545.6 340/568.1 340/568.100P 340/568.7 340/573.1 340/870.05 340/870.06 340/870.07 340/870.11 340/870.16 342/104 342/357.01

342/357.57 342/357.570S 342/463 346/33.00R 346/33R 348/148 348/148P 36/140 361/679.01 364/565 364/569 368/10 368/11 368/14 382/103 382/103P 455/3.01 455/30.1 455/418 455/456.1 455/552.1 455/552.100P 463/42 482/8 482/9 600/300 600/364 600/365 600/508 600/528 600/587 600/595 700/91 701/3 701/7 701/70 702/104 702/108 702/124 702/127 702/127S 702/130 702/138 702/138S 702/139 702/141 702/141P 702/141S 702/142 702/142P 702/142S 702/144 702/149 702/149P 702/149S 702/150 702/150P 702/160 702/160P 702/160S 702/164 702/165 702/166 702/166S 702/173 702/173S 702/176 702/176P 702/178 702/178P 702/178S 702/179 702/182 702/182P 702/182S 702/183 702/187 702/187P 702/188 702/188P 702/189 702/19 702/19P 702/2 702/2P 702/33 702/33S 702/39 702/41 702/41S 702/44 702/44P 702/5 702/55 702/56 702/57 702/5S 702/66 702/67 702/68 702/75 702/76 702/81 702/94 702/94P 702/96 705/330 705/330P 705/333 705/333P 709/224 725/9 725/9P 73/12.01 73/172 73/172S 73/379.01 73/488 73/489 73/514.01 73/862.53 73/862.621 73/862.625 73/862.627

Classification Explorer

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Abstract:
Source: US2001034583A The invention detects the loft time and/or speed of a vehicle, such as a sporting vehicle, during activities of moving and jumping. A loft sensor detects when the vehicle leaves the ground and when the vehicle returns to the ground. A microprocessor subsystem converts the sensed information to determine a loft time. A display shows the recorded loft time to a user of the system. In addition, a speed sensor can detect the vehicle's speed for selective display to the user. The invention is particularly well−suited to sporting activities such as snowboarding where users loft into the air on ski jumps and catch "air" time but have no quantitative measure of the actual time lapse in the air. Therefore, users in skiing can use invention to record, store, and playback selected information relating to their sporting day, including the total amount of "air" time for the day and information such as dead time, i.e., time not spent on the slopes.

0) US5672041A – COLLAPSIBLE, POWERED PLATFORM FOR LIFTING WHEEL...

68) Family number: 23203028 (US5672041A) © PatBase

Title: COLLAPSIBLE, POWERED PLATFORM FOR LIFTING WHEELCHAIR

Priority: US19940363290 19941222 US19950473666 19950607 US19990228634 19990111 US19970916002 19970821

Family:

Publication number	Publication date	Application number	Application date
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International class (IPC 8–9)**:** A61G3/06 (Advanced/Invention) ; A61G3/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/44 B60P1/48

CPC: Y10S414/13 Y10S414/134 A61G3/06 A61G3/062 A61G2203/726

European class: A61G3/06

US class: 187/306 414/540 414/545 414/556 414/917 414/921

Classification Explorer

Cited documents: USRE31178 E, USRE30462 E, US5433581 A, US5401135 A, US5320135 A, US5308215 A, US5263808 A, US5261779 A, US5253973 A, US5234331 A, US5234311 A, US5228538 A, US5180275 A, US4984955 A, US4977981 A, US4958979 A, US4953665 A, US4664584 A, US4534450 A, US4482284 A, US4353436 A, US4273217 A, US4140230 A, US31178 A, US30462 A, JPS57186541, JP57186541 A2, JP186541, JP186541, GB2106857 A1,

Forward Citations: WO9908641, WO07113501, WO07109351, WO07068126, WO05037604, WO05037604, WO03104133, WO03104133, USD775345, USD744095, USD736905, USD731065, USD731049, USD731048, USD701601, USD693001, USD692556, USD472690, US9675771, US9649458, US9629971, US9603759, US9498589, US9492629, US9421338, US9414769, US9411494, US9387297, US9381314, US9375542, US9364626, US9364624, US9358355, US9327089, US9302061, US9289573, US9269990, US9262588, US9254369, US9205221, US9186075, US9144658, US9126001, US9119925, US9114220, US9101519, US9089665, US9089657, US9084865, US9038633, US9030304, US9027552, US9022031, US8998558, US8978650, US8973577, US8950398, US8939150, US8924878, US8905024, US8902568, US8844526, US8826907, US8800557, US8794234, US8792949, US8789529, US8788236, US8783250, US8776792, US8776790, US8763186, US8757153, US8757152, US8746248, US8720442, US8714154, US8707952, US8677996, US8676529, US8676285, US8652064, US8640700, US8638200, US8607791, US8607790, US8607789, US8607788, US8597198, US8595639, US8585412, US8555882, US8555881, US8554298, US8551006, US8547062, US8539949, US8534979, US8528554, US8511306, US8499252, US8485185, US8485184, US8485183, US8482415, US8469031, US8469030, US8453645, US8453643, US8448641, US8443294, US8439037, US8439036, US8439032, US8434484, US8434483, US8434481, US8434480, US8434479, US8425428, US8424523, US8424521, US8424520, US8421465, US8418692, US8418691, US8400290, US8075364, US7978119, US7857098, US7816878, US7815413, US7798761, US7551995, US7509187, US7467917, US7445416, US7441995, US7419349, US7413395, US7306422, US7290975, US7274980, US6965819, US6948903, US6837670, US6739824, US6726435, US6594565, US6464447, US6398479, US6379102, US6305897, US6238169, US6236905, US6095747,

US6086314, US2014086715, US2011070057, US2011027054, US2010283581, US2010249549, US2010144234, US2010028115, US2009271077, US2009259371, US2009129906, US2009110531, US2008317569, US2008184623, US2008056872, US2008044268, US2007224025, US2007183881, US2007183880, US2007086879, US2007071569, US2006195220, US2006018743, US2005105995, US2005077111, US2004184906, US2004156705, US2004146386, US2004098182, US2004028513, US2003213653, US2003206791, ES2387161, EP3189822, EP1162165, DE102011109900, CN104842338,

Abstract:
Source: US5672041A An apparatus for moving an object, such as a wheelchair, between an upper position and a lower position. The upper position is typically adjacent to the floor surface of a vehicle while the lower position is typically at ground level. The apparatus preferably includes a platform including at least three pivotally connected sections. The sections are selectively moveable between an unfolded orientation in which the sections are substantially co−planar and a folded orientation in which the sections form a compact configuration. The apparatus also preferably includes a folding assembly for selectively moving the sections of the platform between the folded orientation and the unfolded orientation, a deployment assembly for selectively deploying and stowing the platform and a lift assembly for selectively moving the platform vertically between the upper position and the lower position.

0) US5676515A – LOW FLOOR VEHICLE RAMP

69) Family number: 11287723 (US5676515A) © PatBase

Title: LOW FLOOR VEHICLE RAMP

Priority: US19960657365 19960603 WO1997US12525 19970717

Family:

Publication number	Publication date	Application number	Application date
AU199738850 A1	19990210	AU19970038850	19970717
US5676515 A	19971014	US19960657365	19960603
WO9903704 A1	19990128	WO1997US12525	19970717

Probable Assignee: STONEHOUSE ENGINEERING SERVICES CORP

Assignee(s):(std): HAUSTEIN NORMAN E

Assignee(s): MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH BUSINESS FINANCIAL SERVICES INC AGENT AS ; NORMAN E HAUSTEIN ; RICON CORP ; STONEHOUSE ENGINEERING SERVICES CORP ; ANTARES LEVERAGED CAPITAL CORP

Inventor(s):(std): HAUSTEIN NORMAN E

Inventor(s): NORMAN E HAUSTEIN

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): A61G3/06 B60P1/43 (Advanced/Invention); A61G3/06 (Advanced/Non–invention); B60P1/00 (Core/Invention); A61G3/00 (Core/Non–invention)

International class (IPC 1–7): B60P1/43

CPC: Y10S414/134 B60P1/431 A61G3/061 A61G3/067

European class: B60P1/43A K61G3/06A

US class: 14/69.5 14/695 414/537 414/921

Classification Explorer

Cited documents: US6636399 BB, US5676515 A, US5393192 A, US5393191 A, US5380144 A, US5305486 A, US5257894 A, US5253410 A, US5160236 A, US5133634 A, US5110252 A, US4722109 A, US4685858 A, US4556128 A, US4131209 A, GB2224992 A1,

Forward Citations: WO9903704, WO09134975, WO03018355, WO02079018, WO02055334, USD615457, USD615456, US9603758, US9168190, US9126522, US9125778, US9010784, US8967669, US8938837, US8936275, US8926254, US8769823, US8590159, US8534979, US8517659, US8434181, US8402660, US8327486, US8105007, US7815413, US7802337, US7793596, US7703781, US7637518, US7559400, US7527467, US7467917, US7445416, US7425005, US7264433, US7234748, US7108271, US7066528, US7066517, US7052227, US7011351, US6986519, US6860701, US6598253, US6431815, US6340280, US6238168, US6227790, US6210098, US6203265, US6179545, US5993135, US5924836, US5871329, US2014147237, US2011146008, US2011088178, US2011027054, US2011008140, US2009274542, US2009250895, US2009106918, US2009084038, US2008292439, US2008250966, US2007246965, US2007183881, US2007183880, US2007116534, US2006245883, US2005215371, US2004146385, US2004013507, JP2015023956, EP1034765,

Abstract:
Source: US5676515A A low–floor–vehicle ramp has a slideway (13) attached to a bottom side of a vehicle floor (2) proximate a door sill, a boarding–ramp assembly (1) hinged to a ramp–control plate (14) that slides on parallel slideways (22, 23, 59, 60, 68) as actuated horizontally by motorized bidirectional actuation of a ramp–slide actuator (16, 56) that is affixed to the vehicle (3) and has a horizontally actuating member (17, 58) attached to the ramp–control plate. A floor–access plate (9) forms an access bridge between the boarding–ramp assembly and the vehicle floor. Foldable side barriers (7, 8) on outside edges of the boarding–ramp assembly spring to an

upright mode automatically in extended mode. A ramp switch (10) is operated by a driver of the vehicle. Tool−operative backup gearing (19) is provided for operation with various types of hand−operative or motor−operative tools (20, 21) in event of failure of the ramp−slide actuator.

0) DE29716315U1 – BRIDGING DEVICE VERLADEVORRICHTUNG

70) Family number: 16948125 (DE29716315U1) © PatBase

Title: Bridging device

Priority: DE19972016315U 19970911

Family:

Publication number	Publication date	Application number	Application date
DE29716315 U1	19980226	DE19972016315U	19970911

Probable Assignee: OPEL ADAM AG

Assignee(s):(std)**:** OPEL ADAM AG

Assignee(s): ADAM OPEL AG 65428 RUESSELSHEIM DE

International class (IPC 8–9)**:** A61G3/02 B60P1/54 (Advanced/Invention); A61G3/00 B60P1/54 (Core/Invention)

International class (IPC 1–7)**:** A61G3/00 B60P1/36

CPC: A61G3/0209 B60P1/5447

European class: A61G3/02A B60P1/54B2A

Classification Explorer

Abstract:
Source: DE29716315U1 (Claim 1) beta ft ··· « · – 7 Schutzansprueche 1. Verladevorrichtung zum selbstaendigen Verladen einesGegenstandes, insbesondere eines Rollstuhles, in ein Kraftfahrzeug, welche eine im Innenraum des Kraftfahrzeugesangeordnete Fuehrungsbahn mit einem in ihr verfahrbaren Transportwagen hat, der eine Hubvorrichtungmit einer Halterung zum Einhaengen des zu verladenden Gegenstandes aufweist, dadurch gekennzeichnet, dass die Verladevorrichtung (1) zusaetzlich zu dem ersten Transportwagen (2) einen zweitenTransportwagen (3) aufweist, der an einem der Halterung (9) gegenueberliegenden freien Ende der Hubvorrichtung(8) angeordne t ist und gegenueber dem ersten Transportwagen (2) einen festen Abstand aufweist unddass der zweite Transportwagen (3) in einer unterhalb oder oberhalb der ersten Fuehrungsbahn (4) verlaufendenzweiten Fuehrungsbahn (5) verfahrbar ist.

Machine translation: (Claim 1) beta ft · · · «– 7 Schutzansprueche first Lifting system for independent loading an object, especially a wheelchair in a motor vehicle, which one has in the interior of the motor vehicles Arrayed Fuehrungsbahn with a mobile in her cart, the one Hubvorrichtungmit a bracket to mount the to be loaded object, characterized in that the lifting system (1) additionally 2 to the first trolley () a second transport carts (3) which is at one of the bracket (9) opposite free end of the lifting device (8) is arrange t and opposite the first trolley (2) a fixed distance has unddass the second trolley (3) in a below or above the first Fuehrungsbahn (4) running second Fuehrungsbahn (5) can be moved.

0) US5729842A – REAR LOADED WHEELCHAIR AND METHOD OF REAR LOADI...

71) Family number: 11110362 (US5729842A) © PatBase

Title: REAR LOADED WHEELCHAIR AND METHOD OF REAR LOADING A WHEELCHAIR

Priority: US19940304777 19940912 US19960772998 19961223

Family:

Publication number	Publication date	Application number	Application date
US5729842 A	19980324	US19940304777	19940912
US5799347 A	19980901	US19960772998	19961223

Probable Assignee: FRIDA JANE MCCARTHY

Assignee(s): FRIDA JANE MCCARTHY ; MCCARTHY JAMES BRIAN

Inventor(s):(std)**:** MCCARTHY JAMES BRIAN

International class (IPC 8–9): A61G5/00 A61G7/10 (Advanced/Invention); A61G5/12 (Advanced/Non–invention); A61G5/00 A61G7/10 (Core/Invention)

International class (IPC 1–7): A61G7/08 A61G7/10

CPC: Y10S414/134 A61G5/121 A61G7/053 A61G5/00 A61G5/1059 A61G7/1015 A61G7/1046 A61G7/1067 A61G2200/32 A61G2200/34

European class: A61G5/00 A61G7/053 A61G7/10N2 A61G7/10S6 A61G7/10V4 K61G200/32 K61G200/34 K61G5/10S2 K61G5/12A

US class: 280/250.1 280/680 414/921 5/81.1 5/81.10R 5/81.1R 5/83.1 5/86.1

Classification Explorer

Cited documents: US5112076 A, US5112069 A, US4997200 A, US4987620 A, US4852899 A, US4826196 A, US4737997 A, US4728119 A, US4717169 A, US4671730 A, US4393529 A, US4354791 A, US4323133 A, US4278387 A, US4170368 A, US4155588 A, US3999227 A, US3865427 A, US2694437 A, US1635575 A, GB309809 A, EP0172296 A1,

Forward Citations: WO11147023, WO11147023, USD486288, US8690178, US7510200, US6325399, US2015182396, US2012299353, CN103919653, CN103720550,

Abstract:
Source: US5729842A A rear loaded and unloaded wheelchair and method for transferring a patient between a bed and a wheelchair through the rear of the wheelchair. The wheelchair includes a wheeled main frame, a sub–frame rearwardly extensible relative to the main frame to a position overlying the bed. The sub–frame is vertical moveable on the main frame to raise and lower the sub–frame to a position adjacent the bed and a position removed from the bed. A patient supporting chair is rotatably mounted on the sub–frame for rolling movement between a forward position and a rearward position adjacent the bed cantileverly supported on the main frame via the sub–frame. The chair includes a frame having laterally spaced apart rails and upstanding back rails. The side seat rails detachably mount a seat on which a person will sit while seated on a bed. The back support is moveably mounted on the back frame members between a lowered back supporting position and a raised position overlying a patient seated on a bed allowing the seat frame to be moved to a position rearwardly of the patient sitting on the bed. Transferring a patient from the wheelchair to the bed is accomplished by reversing the above procedure.

0) US5794383A – RECONFIGURABLE SEATING SYSTEM FOR MULTI–PURPOSE...

72) Family number: 11083547 (US5794383A) © PatBase

Title: Reconfigurable seating system for multi–purpose stadium

Priority: US19960712810 19960912

Family:

Publication number	Publication date	Application number	Application date
JP10088837 A2	19980407	JP19970248886	19970912
US5794383 A	19980818	US19960712810	19960912

Probable Assignee: HELLMUTH OBATA AND KASSABAUM INC

Assignee(s):(std)**:** HELLMUTH OBATA AND KASSABAUM INC

Inventor(s):(std)**:** LABINSKI RONALD J ; RONALD J LAVINSKI

International class (IPC 8–9)**:** E04H3/12 (Advanced/Invention); E04H3/10 (Core/Invention)

International class (IPC 1–7)**:** E04H3/12

CPC: E04H3/12 E04H2003/147

European class: E04H3/12 P04H3/14H1

US class: 52/10 52/8 52/9

Classification Explorer

Cited documents: US5103600 A, US4688357 A, US4162594 A, US3975869 A, US3525184 A, US3241270 A, US3002234 A, US1433547 A, JP40620064 A2,

Forward Citations: WO9934076, WO16182471, WO04029384, US9670686, US9624682, US9586151, US8141495, US7921781, US7845725, US7806054, US7107724, US7107724, US5921032, US2011088584, US2010326313, US2010212232, US2009272289, US2008163560, US2003177707, JP5485357, JP2013147925, JP2008255681, GB2364077, GB2364077, DE19933625,

Abstract:
Source: US5794383A A multi–purpose stadium includes a seating system which is reconfigurable between seating configurations corresponding to different playing fields, for example, football and baseball. Reconfiguration of the seating system is accomplished by removing removable seating sections, raising or lowering vertically movable seating sections, sliding or shifting horizontally movable seating sections and rotating groups of seating sections which form rotatable extensions of seating wings of a seating bowl formed by the seating system. The stadium includes a circulation system with concourses at various levels for providing access to the seating system. Bridges are provided for connecting parts of the concourses which are separated when the seating system is reconfigured.

0) EP0846644A1 – LIFT AUFZUG ASCENSEUR

73) Family number: 16952630 (EP0846644A1) © PatBase

Title: Lift

Priority: DE19962021330U 19961209 EP19970121453 19971205 DE19972023781U 19971205

Family:

Publication number	Publication date	Application number	Application date
DE29621330 U1	19980409	DE19962021330U	19961209
DE29723781 U1	19990325	DE19972023781U	19971205
EP0846644 A1	19980610	EP19970121453	19971205

Probable Assignee: KALTENBRUNN WOLFGANG

Assignee(s):(std)**:** KALTENBRUNN WOLFGANG

Assignee(s): KALTENBRUNN WOLFGANG 87700 MEMMINGEN DE

Inventor(s):(std)**:** KALTENBRUNN WOLFGANG

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9): B66B9/02 B66B9/08 (Advanced/Invention); B66B9/02 B66B9/06 (Core/Invention)

International class (IPC 1–7): B66B5/00 B66B9/02 B66B9/08 B66F3/08

CPC: B66B9/02 B66B9/08 B66B9/0823 B66B9/0853

European class: B66B9/02 B66B9/08 B66B9/08B2 B66B9/08E

Classification Explorer

Cited documents: US4915573 A, US4633538 A, US4551060 A, US4306634 A, US4281744 A, US4133437 A, US2884225 A,

Forward Citations: WO13000098, WO06051566, WO06051566, RU2579376, GB2399808, ES2159998,

Abstract:
The hoist has a horizontal platform (19) guided in a vertical guide (11) and which is swivelable about a vertical axis. The hoist swivels the platform in conjunction with the lifting and lowering of the platform. The platform has a support web guided in the vertical guide and interacting with a threaded spindle rotatable about the vertical rotary axis. As the threaded spindle is turned so that the platform is raised and lowered. The vertical guide has a tube (15) in which the threaded spindle moves and which has a recess through which the support web (18) extends so that the support web is held against rotation in the guide. The guide tube is fixed on the building wall to swivel about the swivel axis (47).

0) ES2113776A – MOTOR VEHICLE FOR PHYSICALLY HANDICAPPED PERSON...

74) Family number: 19118408 (ES2113776A) © PatBase

Title: MOTOR VEHICLE FOR PHYSICALLY HANDICAPPED PERSONS WHO MOVE AROUND INDEPENDENTLY IN A WHEELCHAIR

Priority: ES19940000655 19940328

Family:

Publication number	Publication date	Application number	Application date
ES2113776 AA	19980501	ES19940000655	19940328
ES2113776 BA	19990101	ES19940000655	19940328

Probable Assignee: NUNEZ GONZALEZ CARLOS

Assignee(s):(std)**:** NUNEZ GONZALEZ CARLOS

International class (IPC 8–9)**:** A61G3/02 A61G5/04 B62K23/02 B62K5/025 (Advanced/Invention); A61G3/00 A61G5/00 (Core/Invention)

International class (IPC 1–7)**:** A61G3/02 A61G5/04

CPC: A61G2220/145

European class: K61G220/14A

Classification Explorer

Cited documents: US4671730 A, GB2128560 A1, FR2491408 A1, FR2315254 A1, EP0251136 A1, EP0082307 A1, DE3020919 A1,

Abstract:
The invention consists of a vehicle with rear access via a lower ramp and with a lift–up door, having four driven wheels actuated by means of four hydraulic motors and equipped with a heat (thermal) engine set with automatic regulation coupled to a hydraulic generator, having electromechanical steering with feedback and large angle of rotation, all the fundamental control members being incorporated in a single actuator or half–steering wheel.

0) EP0846481A2 – INTEGRATED PLAYGROUND INTEGRIERTE SPIELFELDFLA...

75) Family number: 17099634 (EP0846481A2) © PatBase

Title: Integrated playground

Priority: DK19960000431U 19961209

Family:

Publication number	Publication date	Application number	Application date
EP0846481 A2	19980610	EP19970610057	19971209
EP0846481 A3	19990506	EP19970610057	19971209

Probable Assignee: KOMPAN AS

Assignee(s):(std)**:** KOMPAN AS

Assignee(s): KOMPAN A S

Inventor(s):(std)**:** GULDAGER MAGRETE MARIA

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9)**:** A63C19/00 (Advanced/Invention); A63C19/00 (Core/Invention)

International class (IPC 1–7)**:** A63C19/00

CPC: A63C19/00

European class: A63C19/00

Classification Explorer

Cited documents: US5554074 A, US5505663 A, US4865312 A, GB2195259 A1, FR2589270 A1,

Forward Citations: WO0207830, WO0207830, US6682444, US6676546, US6634966,

Abstract:
Source: EP0846481A2 In order to be able to offer handicapped children the possibility of playing in a playground, the playground according to the invention is composed of a collection of playground equipment which is placed with a drive–ramp between the individual items of equipment and provided with inclined approach ramps. Furthermore, there are holding means and shields at the sides of the drive–ramps, so that the children can more easily move between the items of playground equipment.

0) US2002014751A – AMBULATORY CARE CHAIR

76) Family number: 28175861 (US2002014751A) © PatBase

Title: AMBULATORY CARE CHAIR

Priority: US19970798317 19970210 US20000546548 20000410 US20000660963 20000913 US20010963829 20010926 US20020247666 20020919 WO1998US02506 19980209

Family:

Publication number	Publication date	Application number	Application date
AR016270 AA	20010704	AR1998P100544	19980209
BRPI9807313 A	20010306	BR1998PI07313	19980209
CA2280257 AA	19990809	CA19982280257	19980209
EP0973474 A2	20000126	EP19980908502	19980209
EP0973474 A4	20021009	EP19980908502	19980209
JP2001511047 T2	20010807	JP19980534994T	19980209
TW366282 B	19990811	TW19980101806	19980304
US2002014751 AA	20020207	US20010963829	20010926
US2003015853 AA	20030123	US20020247666	20020919
US6089593 A	20000718	US19970798317	19970210
US6315319 BA	20011113	US20000546548	20000410
US6565112 BB	20030520	US20010963829	20010926
US6726279 BA	20040427	US20000660963	20000913
US6846042 BB	20050125	US20020247666	20020919
WO9834575 A2	19980813	WO1998US02506	19980209
WO9834575 A3	19981008	WO1998US02506	19980209

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std)**:** HILL ROM CO INC ; HILL ROM SERVICES INC ; VOGEL JOHN D ; SMITH DONALD E ; TURNER JONATHAN D ; SIEGLE GARY S

Assignee(s): NEWKIRK JACK C ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; MCCAIG STEVEN V ; HILL ROM INC ; HILL ROM INC US ; BISH MICHAEL P ; BLYSHAK WILLIAM M ; DUNCAN TERENCE M ; FIGEL GREGORY J ; HANSON THOMAS W ; HEYSER JEFFREY A

Inventor(s):(std)**:** BISH MICHAEL P ; BLYSHAK WILLIAM M ; DUNCAN TERENCE M ; FIGEL GREGORY J ; HANSON THOMAS W ; HEYSER JEFFREY A ; JONATHAN D MASTERS ; MCCAIG STEVEN V ; NEWKIRK JACK C ; SIEGLE GARY S ; SMITH DONALD E ; TURNER JONATHAN D ; VOGEL JOHN D ; MCCAIG STEVEN ; TERENCE M DUNCAN

Inventor(s): STEVEN V MCCAIG ; MICHAEL P BISH ; JONATHAN D TURNER ; JOHN D VOGEL ; JEFFREY A HEYSER ; JACK C NEWKIRK ; GREGORY J FIGEL ; GARY S SIEGLE ; DONALD E SMITH ; WILLIAM M BLYSHAK ; THOMAS W HANSON

Agent(s): MACRAE AND CO; BARNES AND THORNBURG

Designated states: AT BE BR CH CN DE DK ES FI FR GB GR ID IE IT JP KR LI LU MC MX NL PT SE TR

International class (IPC 8–9): A61G5/00 A61G5/04 A61G5/12 A61G7/015 A61G7/16 (Advanced/Invention); A61G7/05 (Advanced/Non–invention); A61G5/00 (Core/Invention); A61G5/12 A61G7/05 A61G7/16 (Core/Non–invention)

International class (IPC 1–7): A47C1/02 A47C1/024 A47C1/032 A47C13/00 A47C17/04 A47C7/54 A61G15/00 A61G15/04 A61G5/00 A61G5/04 A61G5/08 A61G5/12 A61G7/015 A61G7/16 B62B19/00 B62B9/00 B62M1/14

CPC: Y10S297/04 A61G5/1059 A61G5/1051 A61G5/125 A61G7/0528 A61G5/006 A61G5/1075

European class: A61G5/00C A61G5/10S14 A61G5/10S2 K61G5/10G K61G5/10S14 K61G5/12E K61G7/05Z1

US class: 280/15 280/15P 280/250.1 280/250.100P 280/304.1 280/47.38 280/47.380S 280/650 297/115 297/217.1 297/340 297/341 297/344.15 297/344.19 297/354.13 297/411.36

297/423.19 297/68 297/69 297/84 297/85 297/85L 297/85R 297/DIG.4 5/610 5/611 5/618 5/86.1

Classification Explorer

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Abstract:
Source: US2002014751A A chair for transporting a patient includes a base frame, a plurality of casters mounted to the base frame, a seat, and a push bar mounted to a back section of the seat for use when transporting the patient. A wheel is coupled to the base frame for movement between a downward brake−steer position, facilitating steering the chair during transport of the patient, and an upward neutral position. A brake mechanism brakes the casters when the brake mechanism is in a braking position and permits rotation of the casters when the brake mechanism is in a releasing position. A brake−steer shaft is coupled to the brake mechanism. Movement of the shaft moves the brake mechanism between the braking position and the releasing position. The brake−steer shaft is pivotably coupled to the base frame. The brake−steer shaft is coupled to the wheel so that rotation of the brake−steer shaft moves the wheel between the brake−steer position and the neutral position. A neutral pedal is coupled to the brake−steer shaft so that movement of the neutral pedal to a neutral position automatically rotates the brake−steer shaft to move the wheel to the neutral position.

0) US2001011613A – MID–WHEEL DRIVE POWER WHEELCHAIR

77) Family number: 24164033 (US2001011613A) © PatBase

Title: MID–WHEEL DRIVE POWER WHEELCHAIR

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: PRIDE HEALTH CARE INC

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Inventor(s): WALTER SCHAFFNER

Agent(s): MALLESONS STEPHEN JAQUES; KING AND WOOD MALLESONS; MINTER ELLISON; SHAPIRO COHEN

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8–9): A61G5/04 A61G5/06 A61G5/08 A61G5/10 (Advanced/Invention); A61G5/06 A61G5/08 A61G5/10 A61G5/12 (Advanced/Non–invention)

International class (IPC 1–7): A61G5/04 A61G5/06 B60K1/00 B62M1/14

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USD632229, USD627270, USD590304, USD585794, USD569769, USD523788, USD521910, USD521909, USD508664, USD494110, USD489859, USD468669, US9707143, US9700470, US9642756, US9603762, US9573638, US9566200, US9526664, US9521907, US9474667, US9468571, US9454509, US9375372, US9370455, US9364377, US9364375, US9351889, US9346335, US9333130, US9320661, US9308143, US9301894, US9265675, US9248874, US9236822, US9233034, US9193240, US9149398, US9073399, US9051026, US9010470, US8925943, US8924218, US8910975, US8851214, US8833774, US8814196, US8794359, US8789632, US8775001, US8763732, US8757308, US8756726, US8752658, US8650710, US8641050, US8636089, US8616309, US8573341, US8561736, US8548678, US8539640, US8534679, US8487214, US8474073, US8442738, US8419124, US8408598, US8408343, US8397846, US8393096, US8365848, US8297388, US8292010, US8272461, US8267206, US8260517, US8240410, US8235419, US8210556, US8186463, US8181992, US8177257, US8172016, US8172015, US8113531, US8113304, US8095268, US8056162, US8051931, US8037953, US8016301, US7983813, US7971893, US7962261, US7953537, US7942445, US7931300, US7909354, US7905306, US7896394, US7886377, US7882909, US7882582, US7874395, US7841611, US7828092, US7793950, US7789187, US7775307, US7766106, US7748490, US7735591, US7726689, US7694990, US7641211, US7597163, US7597162, US7562903, US7556108, US7546891, US7537069, US7530412, US7516984, US7506709, US7490683, US7472767, US7451848, US7438145, US7413038, US7407024, US7389835, US7374002, US7363994, US7360792, US7344155, US7316282, US7314220, US7306247, US7293801, US7293620, US7273115, US7264272, US7249778, US7234554, US7232008, US7225486, US7222921, US7219924, US7219755, US7207403, US7195253, US7175193, US7125080, US7104346, US7100716, US7096964, US7090041, US7083195, US7083012, US7066290, US7055634, US7041029, US7040429, US7021641, US7014000, US7011172, US7007765, US6976278, US6938923, US6935448, US6923280, US6923278, US6913318, US6902019, US6877572, US6845996, US6796568, US6776430, US6772850, US6772460, US6752224, US6749262, US6749034, US6715845, US6712369, US6702306, US6702049, US6695081, US6684969, US6640916, US6611975, US6601863, US6598935, US6588523, US6554086, US6547026, US6543798, US6533306, US6530598, US6505359, US6494474, US6462730, US6460641, US6454286, US6439331, US6390554, US6378883, US6341657, US6330926, US6300732, US6290011, US6286165, US6279934, US6234732, US6234507, US6220382, US6206119, US6199647, US6196343, US6179076, US6176335, US6073951, US6070898, US2016022516, US2015298764, US2015245963, US2015196441, US2015196438, US2015108809, US2015054429, US2015014959, US2014265510, US2014097031, US2013248261, US2013220712, US2013218380, US2013197732, US2012217070, US2011253464, US2011174794, US2011163575, US2011108348, US2011099857, US2011087416, US2011083915, US2011083914, US2011083913, US2010320357, US2010301576, US2010258363, US2010219623, US2010193264, US2010170730, US2010102529, US2010013172, US2010004820, US2009321162, US2009309327, US2009255150, US2009236165, US2009172915, US2009145677, US2009121444, US2009065271, US2009005196, US2009000850, US2008265541, US2008264702, US2008231006, US2008208394, US2008191452, US2008169136, US2008106060, US2008087481, US2008078603, US2008066974, US2008035396, US2008012356, US2007290492, US2007278767, US2007209848, US2007196916, US2007181353, US2007158921, US2007145711, US2007114079, US2007107955, US2007063502, US2007045022, US2007045021, US2007045014, US2007039766, US2007039765, US2007023209, US2007017716, US2007001442, US2006255581, US2006244249, US2006213705, US2006200287, US2006150338, US2006108158, US2006097478, US2006097475, US2006095180, US2006091663, US2006087097, US2006086554, US2006082117, US2006076748, US2006076747, US2006071440, US2006070477, US2006022445, US2006021806, US2005279540, US2005257966, US2005239594, US2005236193, US2005225040, US2005224306, US2005206149, US2005206124, US2005194757, US2005151360, US2005139364, US2005127631, US2005095075, US2005077715, US2005077714, US2005077698, US2005077694, US2005072610, US2005034903, US2005000742, US2004262859, US2004200646, US2004188152, US2004173983, US2004168839, US2004163175, US2004159476, US2004159473, US2004150204, US2004135357, US2004113388, US2004093668, US2004084230, US2004060748, US2004040769, US2004035627, US2004004342, US2003192726, US2003168265, US2003168264, US2003159862, US2003127261, US2003090073, US2003075365, US2003030243, TWI323172, TWD126249, TWD125325, JP6118375, JP2016043919, ITMI20112309, GB2441290, GB2426923, GB2426923, GB2402657, GB2402657, GB2399552, GB2399552, FR2858764, EP2606866, EP2332753, EP2311420, EP2263630, EP1767178, EP1721592, EP1522295, EP1522295, EP1522294, EP1522294, EP1522293, EP1522292, EP1522292, EP1493418, EP1479362, EP1417948, EP1340481, EP1142548, EP0908165, CN104840315, CN103494679, CN101544255, CH698063, BE1015902, AU773976, AU753352, AU2005100261, AU2002341764,

Abstract:
Source: US2001011613A A mid−wheel drive power wheelchair is provide having a pair of drive wheels on the support frame below the seat. Castor wheels are positioned behind the drive wheels and rearward of the seat. A pair of anti−tip idler wheels are positioned forward of the drive wheels on opposite sides of the frame. The anti−tip wheels are normally positioned off the ground when the drive wheels and the castor wheels are in their normal ground−engaging position. The anti−tip wheels have a resilient mounting comprising a support arm attached at a rear end to the frame. The forward positioned anti−tip wheels are movable upwardly about the attachment of the support arm, with the suspension resiliently resisting such movement, in response to the engagement with a curb or obstruction or in response to a forward pitching of the chair about the drive wheels.

0) US5807185A – ADAPTIVE PHYSICAL EDUCATION DEVICE

78) Family number: 11946295 (US5807185A) © PatBase

Title: ADAPTIVE PHYSICAL EDUCATION DEVICE

Priority: US19960625164 19960401 US19980108008 19980630

Family:

Publication number	Publication date	Application number	Application date
US5807185 A	19980915	US19960625164	19960401
US6004233 A	19991221	US19980108008	19980630

Probable Assignee: LAUTENSCHLAGER BRUCE C

Assignee(s): LAUTENSCHLAGER BRUCE C ; RAUBUCK DANIEL

Inventor(s):(std)**:** LAUTENSCHLAGER BRUCE C ; RAUBUCK DANIEL

International class (IPC 8–9)**:** A63B65/12 A63B69/00 A63B69/40 A63B71/00 (Advanced/Invention); A63B69/00 A63B69/36 (Advanced/Non–invention); A63B65/00 A63B69/00 A63B69/40 A63B71/00 (Core/Invention); A63B69/00 A63B69/36 (Core/Non–invention)

International class (IPC 1–7)**:** A63B53/00 A63B59/00 A63B65/12 A63B69/36 A63B69/40

CPC: A63B2102/22 A63B71/0009 A63B65/12 A63B69/0002 A63B69/0024 A63B69/0075 A63B69/36 A63B69/407 A63B2071/0018

European class: A63B65/12 A63B69/00H A63B69/40E A63B71/00H K63B243/00K K63B69/00B K63B69/00T1 K63B69/36 K63B71/00H2

US class: 124/1 124/20.1 124/8 280/250.1 280/30 280/304.1 473/229 473/282 473/457 473/505 473/510 473/513 473/514 473/528 473/564

Classification Explorer

Cited documents: US5807185 A, US5363934 A, US5022656 A, US4984802 A, US4911435 A, US4753449 A, US4470598 A, US4368898 A, US3598413 A, US3410258 A, US3341202 A, US1173818 A,

Forward Citations: WO0071069, WO0038799, USD665991, USD583004, US9056036, US8985600, US8905868, US8684398, US8357061, US7794338, US7549951, US7497792, US7389774, US7063626, US6932712, US6884188, US6474671, US6454660, US6004233, US2016271478, US2016144261, US2014367944, US2008305894, US2007060419, US2006154752, US2006116255, US2005197199, US2004235590, ES2150874,

Abstract:
Source: US5807185A An adaptive physical education device has a frame with a variety of attachable components so that the device may be adapted to a variety of sporting applications, such as golf, baseball, and hockey. The frame, in the preferred embodiment, attaches to the front portion of a wheelchair using a pair of adjustable wheelchair brackets. A pivotable "L" shaped post is attachable to the frame so that the pivotable post may be attached pointing upwards or downwards to accommodate different swinging motions of a bat or a club. An elastic spring is attached to the pivotable post at one end and to the club or bat at the opposite end. A handle is attached to the club or bat, so that the wheelchair participant may grasp the handle while seated in the wheelchair, pull back the handle, extending the elastic spring, and let go of the handle, the elastic spring propels the club or bat forward.

0) DE19814067A1 – WHEELCHAIR WITH SWIVEL BACKREST ROLLSTUHLSITZ ...

79) Family number: 13464057 (DE19814067A1) © PatBase

Title: WHEELCHAIR WITH SWIVEL BACKREST

Priority: DE19981014067 19980330

Family:

Publication number	Publication date	Application number	Application date
DE19814067 A1	19981008	DE19981014067	19980330

Probable Assignee: SEELIGER KLAUS DIPL ING

Assignee(s):(std)**:** SEELIGER KLAUS DIPL ING

Assignee(s): SEELIGER KLAUS DIPL ING 34132 KASSEL DE

Inventor(s):(std)**:** SEELIGER KLAUS DIPL ING

International class (IPC 8–9)**:** A47C1/032 A61G5/12 (Advanced/Invention); A61G5/08 A61G5/10 (Advanced/Non–invention); A47C1/031 A61G5/00 (Core/Invention)

International class (IPC 1–7)**:** A47C15/00 A61G5/10

CPC: A61G5/1067 A47C1/03211 A61G5/107 A61G5/12 A61G5/0866 A61G5/0883 A61G5/1054

European class: A47C1/032 A61G5/10S8 A61G5/12 K61G5/08B K61G5/08L K61G5/10H K61G5/10S10

Classification Explorer

Forward Citations: WO04089269, WO0197657, WO0167924, US6398310, EP1613192, EP1086636, AU778044, AU778044,

Abstract:
Source: DE19814067A1 The hinge joint (11) between seat frame (6) and backrest frame (9) is arranged so as to prevent any relative movement between back and shell (10) when the back frame is swivelled so the back rests fully flat on the shell part without lifting off top or bottom shell ends. The seat frame (6) can slide or roll on commercial wheelchair seat tubes (4) as can the back frame on its tubes. Connectors such as notched sheets and claws are fitted between the seat and the wheelchair so as to engage automatically and provide staged or smooth swivelling of the back frame as well as convenient seat removal from the wheelchair. The ramp parts of the sheets and their notching holes in conjunction with seat slides or rollers of the seat frame (6) lock seat frame to tubes automatically when the seat is installed in the wheelchair and at the same time allow for their staged adjustment. The backrest (9,10) is raised upright by springs, using slots in the notched sheets to modify the seat setting by an electrically operated key–controlled spindle and nut combination.

0) US2001045719A – STAGGERED LOW PROFILE SUSPENSION

80) Family number: 30092649 (US2001045719A) © PatBase

Title: Staggered low profile suspension

Priority: US19970792972 19970131 US19980086899P 19980527 US19980193501 19981117 US20010972536 20011008 US20030736214 20031215 US20050196870 20050804 US20000238790P 20001006 US19990318428 19990525 US20010906101 20010716 WO2001US31351 20011008 US20090434797 20090504 WO1999US11652 19990527

Family:

Publication number	Publication date	Application number	Application date
AU199943149 A1	19991213	AU19990043149	19990527
AU2001296685 AA	20020415	AU20010296685	20011008
CA2333364 AA	20001124	CA19992333364	19990527
CA2333364 C	20070206	CA19992333364	19990527
CA2425133 AA	20030404	CA20012425133	20011008
CA2425133 C	20090526	CA20012425133	20011008
EP1089888 A1	20010411	EP19990941304	19990527
EP1089888 A4	20030305	EP19990941304	19990527
EP1333995 A1	20030813	EP20010977575	20011008
US2001045719 AA	20011129	US20010906101	20010716
US2002105170 AA	20020808	US20010972536	20011008
US2004150178 AA	20040805	US20030736214	20031215
US2005263987 AA	20051201	US20050196870	20050804
US2009250895 AA	20091008	US20090434797	20090504
US5839750 A	19981124	US19970792972	19970131
US6398251 BA	20020604	US19990318428	19990525
US6986519 BB	20060117	US20010972536	20011008
US7108271 BB	20060919	US20030736214	20031215
US7559400 BB	20090714	US20050196870	20050804
WO0228671 A1	20020411	WO2001US31351	20011008
WO9961268 A1	19991202	WO1999US11652	19990527

Probable Assignee: ALOHA LLC

Assignee(s):(std)**:** DALLAS SMITH CORP ; DBX ENG CORP ; SMITH EARL DALLAS ; SMITH E DALLAS ; SMITH EARL D ; ALOHA LLC

Assignee(s): ALOHA LLC C O ANNETTE T BROGDEN ; DALLAS SMITH ; SMITH DALLAS ; SMITH DALLS ; SMITH E ; DBX ENGINEERING CORP

Inventor(s):(std)**:** SMITH EARL D ; SMITH EARL DALLAS ; SMITH E DALLAS ; E DALLAS SMITH

Inventor(s): SMITH EARL ; SMITH E

Agent(s): SMART AND BIGGAR; WOODARD EMHARDT MORIARTY MCNETT AND HENRY LLP; BINGHAM MCHALE LLP; JOHN V

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): B60G11/113 B60G11/16 B60G11/27 B60G11/28 B60G11/46 B60G11/56 B60G15/12 B60G3/12 B60G3/14 B60G5/053 B60G7/00 B60G9/00 B60K13/04 B60P1/64 (Advanced/Invention); B60G11/00 B60G11/02 B60G11/26 B60G15/00 B60G3/00 B60G5/00 B60G7/00 (Core/Invention)

International class (IPC 1–7): B60G11/27 B60G11/36 B60G11/46 B60G13/08 B60G15/10 B60G3/14 B60G5/00 B60G5/053 B60G9/00 B60P1/64 B62D1/00 B62D17/00 B62D61/06

CPC: Y10S414/134 B60G15/12 B60G3/145 B60G5/053 B60G7/001 B60G11/113 B60G11/28 B60G2200/13 B60G2202/112 B60G2202/12 B60G2204/1244 B60G2204/13 B60G2204/143 B60G2204/148 B60G2206/10 B60G2206/124 B60G2206/50 B60G2300/04 B60G2300/14 B60G3/14 B60G5/04 B60G11/27 B60G2200/132 B60G2202/152 B60G2300/38

European class: B60G11/113 B60G11/27 B60G11/28 B60G15/12 B60G3/14 B60G3/14B B60G5/04 B60G5/053 B60G7/00A L60G200/13 L60G200/132 L60G202/112 L60G202/12 L60G202/152 L60G204/1244 L60G204/130 L60G204/143 L60G204/148 L60G206/10 L60G206/124 L60G206/50 L60G300/04 L60G300/14 L60G300/38

US class: 180/210 180/210S 180/291 180/309 280/124.116 280/124.116P 280/124.125 280/124.125P 280/124.128 280/124.157 280/124.157S 280/124.163 280/124.165 280/124.177 280/43.18 280/683 280/683P 280/685 280/686 280/781 280/789 280/86.5 280/86.75 280/86.751 280/86.751P 280/86.753 414/921

Classification Explorer

Cited documents: WO9818640, WO9744209 A1, WO9712769 A2, WO9408806 A1, WO9401988 A1, WO9311953 A1, WO03057517 A1, WO03039891 A1, WO02079020 A1, WO0128791 A1, WO0053442 A1, USRE32647 E, USD473504 S1, USD436058 S1, USD434701 S1, USD417172 S1, USD376564 S1, USD307732 S1, US889960 A, US844615 A, US7025166 BB, US6986519 BB, US6986519 BA, US6669303 BB, US6589098 BB, US6589098 BA, US6588778 BA, US6585223 BA, US6575523 BB, US6575523 BA, US6575485 BB, US6575485 BA, US6520521 BB, US6520521 BA, US6511078 BB, US6511078 BA, US6494285 BA, US6488299 BB, US6488299 BA, US6439131 BA, US6428026 BA, US6416136 BA, US6398251 BA, US6390537 BA, US6371227 BB, US6364048 BA, US6312205 BA, US6299240 BA, US6249948 BA, US6237926 BA, US6234502 BA, US6213507 BA, US6209205 BA, US6189901 BA, US6186733 BA, US6170875 BA, US6170875 B1, US6158750 A, US6142496 A, US6123347 A, US6113180 A, US6073946 A, US6068276 A, US6050586 A, US5988672 A, US5951097 A, US5947550 A, US5944339 A, US5937963 A, US5921568 A, US5915705 A, US5908198 A, US5907973 A, US5887880 A, US5882031 A, US5881458 A, US5868418 A, US5863049 A, US5860661 A, US5853183 A, US5845919 A, US5839750 A, US5836597 A, US5820156 A, US5820149 A, US5810544 A, US5791681 A, US5788263 A, US5758896 A, US5746441 A, US5739787 A, US5720489 A, US5718445 A, US5718443 A, US5713424 A, US5690353 A, US5683098 A, US5676515 A, US5673929 A, US5632508 A, US5618151 A, US5597174 A, US5577793 A, US5560639 A, US5540454 A, US5505482 A, US5505278 A, US5476303 A, US5452912 A, US5443283 A, US5433287 A, US5415107 A, US5413368 A, US5409069 A, US5391041 A, US5380029 A, US5379842 A, US5378010 A, US5375880 A, US5366237 A, US5364128 A, US5362121 A, US5342106 A, US5332258 A, US5308115 A, US5303946 A, US5275430 A, US5261330 A, US5195771 A, US5178432 A, US5174628 A, US5149132 A, US5114183 A, US5094314 A, US5090495 A, US5083812 A, US5052879 A, US5052713 A, US5050897 A, US5035462 A, US5016912 A, US5015004 A, US4989894 A, US496663 A, US4950031 A, US4946189 A, US4934733 A, US4930806 A, US4915577 A, US4903209 A, US4898508 A, US4878691 A, US4856839 A, US4811972 A, US4763953 A, US4762421 A, US4759567 A, US4752177 A, US4736958 A, US4725074 A, US4718692 A, US4708361 A, US4705133 A, US4685858 A, US4677263 A, US4674770 A, US4673328 A, US4671525 A, US4666181 A, US4630840 A, US4623162 A, US4619578 A, US4615539 A, US4596304 A, US4593930 A, US4580808 A, US4580798 A, US4558886 A, US4541653 A, US4530515 A, US4527486 A, US4509790 A, US4488736 A, US4483546 A, US4473238 A, US4470615 A, US4468739 A, US4465298 A, US4434998 A, US4427313 A, US4427213 A, US4422667 A, US4343506 A, US4339224 A, US4302022 A, US4280710 A, US4274338 A, US4273357 A, US4261591 A, US4252340 A, US4248455 A, US4231144 A, US4230341 A, US4202564 A, US4171830 A, US4168075 A, US4166640 A, US4155570 A, US4131209 A, US4114712 A, US4095818 A, US4089384 A, US4085945 A, US4065153 A, US4063779 A, US4063745 A, US4063611 A, US4061353 A, US4060145 A, US4058325 A, US4047736 A, US4040640 A, US4039037 A, US4032167 A, US4008902 A, US4, US3992027 A, US3974926 A, US3966223 A, US3961826 A, US3944248 A, US3941261 A, US3918739 A, US3904219 A, US3900119 A, US3891231 A, US3884502 A, US3880445 A, US3873120 A, US3868129 A, US3866935 A, US3831210 A, US3829118 A, US3822908 A, US3822098 A, US3820813 A, US3811697 A, US3807752 A, US3797850 A, US3794343 A, US3788683 A, US3784218 A, US3781032 A, US3779576 A, US3778082 A, US3773348 A, US3763950 A, US3752496 A, US3752493 A, US3751061 A, US3746363 A, US3737173 A, US3736002 A, US3713665 A, US3704898 A, US3704896 A, US3704029 A, US3689103 A, US3685853 A, US3672698 A, US3662647 A, US3661419 A, US3610653 A, US3601426 A, US3601424 A, US3578352 A, US3573882 A, US3563596 A, US3534977 A, US3477738 A, US3473821 A, US3405778 A, US3384384 A, US3361443 A, US3356386 A, US3345104 A, US3332701 A, US3331627 A, US3314685 A, US3282603 A, US3277975 A, US3271077 A, US3271046 A, US3254899 A, US3246884 A, US3214047 A, US3210047 A, US3201142 A, US3181877 A, US3180510 A, US3171669 A, US3149856 A, US3147023 A,

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Forward Citations: WO10048713, WO06083722, WO0228671, WO0115919, USD750535, USD731368, USD731367, US9522707, US9434227, US9340083, US9233588, US9211775, US9010784, US8967640, US8925934, US8919800, US8857837, US8851500, US8807575, US8727033, US8720922, US8708353, US8371589, US8328211, US8317210, US8282115, US8235403, US8182193, US8162335, US8011680, US7887093, US7854437, US7850183, US7802801, US7780178, US7717464, US7703781, US7641209, US7614659, US7559578, US7559400, US7549660, US7537225, US7537219, US7516821, US7425005, US7360775, US7137487, US7111854, US7108271, US6929084, US6857643, US6428026, US6398251, US6260645, US2015284041, US2014346747, US2014191484, US2012248727, US2011272907, US2011266764, US2010295259, US2010176570, US2010123296, US2009267310, US2009218782, US2009127008, US2009126179, US2008191440, US2008157498, US2008150272, US2008067796, US2007013171, US2006244233, US2006237941, US2006237266, US2006170205, US2006157966, US2006151229, US2006042887, US2006012145, US2005253352, US2004256827, US2004184903, US2004150178, GB2519064, EP1350644, EP1350644, EP1270283, CN103832310, CN102264575,

Abstract:
Source: US2001045719A A wheel suspension system including a wheel support pivotally attached to a vehicle frame at two, laterally−spaced locations, the wheel support being pivotal between an uppermost and a lowermost position. The wheel support is biased to a position intermediate of the uppermost and lowermost positions by a spring. The spring urges apart a spring support of the wheel support from the vehicle frame, the spring support being below the rotational axis of the wheel. The pivotal axes of the pivotal attachments are located below the rotational axis of the wheel.

0) US5839875A – VEHICLE TRANSPORTING DEVICE

81) Family number: 11264825 (US5839875A) © PatBase

Title: VEHICLE TRANSPORTING DEVICE

Priority: US19970884311 19970627 US19970922801 19970903

Family:

Publication number	Publication date	Application number	Application date
US5839875 A	19981124	US19970922801	19970903
US5899655 A	19990504	US19970884311	19970627

Probable Assignee: MILLER JEFFERY B

Assignee(s): MILLER BOB C ; MILLER JEFFERY B ; MILLER JEFFREY B ; NOVARTIS AG ; NOVARTIS FINANCE CORP

Inventor(s):(std)**:** MILLER BOB C ; MILLER JEFFREY B

International class (IPC 8–9)**:** B60P3/07 B60P3/12 B60R9/06 B60R9/10 (Advanced/Invention); B60P3/06 B60P3/12 B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60P9/00

CPC: Y10S224/924 B60P3/122 B60P3/07 B60R9/06 B60R9/10

European class: B60P3/07 B60P3/12A B60R9/06 B60R9/10

US class: 224/510 224/924 414/462 414/537

Classification Explorer

Cited documents: US5730577 A, US5647719 A, US5603600 A, US5511928 A, US5462398 A, US5456564 A, US5380141 A, US5281075 A, US5253973 A, US5249910 A, US5234307 A, US5228712 A, US5108248 A, US4932829 A, US4906041 A, US4275981 A, US4189274 A, US3921842 A, US3912098 A, US3843001 A, US3779406 A, US3528578 A, US3348713 A, US2305762 A,

Forward Citations: WO15122806, USD640440, USD596823, USD585335, USD548671, USD548670, USD539211, USD528966, USD528065, USD528064, USD495107, US9550444, US9381867, US8944516, US8708634, US8696295, US8302235, US8272547, US7811045, US7651147, US7552936, US7354236, US7225900, US7066448, US6786693, US6752303, US6634849, US6524056, US6331094, US6236905, US6076215, US2016375837, US2012009050, US2011155980, US2010207085, US2009152830, US2008279664, US2008206031, US2007297886, US2007001473, US2006231581, US2005135908, US2005077505, US2004173407, US2004076498, US2004009055, US2003222112, EP1754631,

Abstract:
Source: US5839875A A carrier for motorcycles and the like secondary vehicles to be secured to a primary self–propelled vehicle. The carrier employs a docking unit which can be lowered to ground level allowing for ease of loading a motorcycle thereon. The docking unit may then be retracted by a pivoting conveyor assembly that guides the docking across roller supports to a raised position. The conveyor assembly rests upon a series of nested sleeves that allow the conveyor assembly to pivot to an inclined, loading/unloading orientation to the horizontal, transporting orientation. Elastomeric suspension elements dampen shock loads transferred to the device during travel. The device includes mounting shafts for securement either to a receiver hitch or a trailer. A system of interlocking pieces restricts relative motion of the device during travel. Tie downs and wheel chocks further assist in control of a vehicle during loading and transporting.

0) US2001037747A – MONORAIL SYSTEM

82) Family number: 44367873 (US2001037747A) © PatBase

Title: MONORAIL SYSTEM

Priority: CA19982233738 19980331 US19960646198 19960507 US20010775930 20010202 US19980206792 19981207 US19980107485P 19981106 US19980081337P 19980408 WO2002US02755 20020201 WO2002US02755 20030802

Family:

Publication number	Publication date	Application number	Application date
AT366200 E	20070715	AT20020713510T	20020201
AU2002245357 AA	20020819	AU20020245357	20020201
AU2002245357 BB	20051117	AU20020245357	20020201
CA2233738 AA	19990930	CA19982233738	19980331
CA2233738 C	20060905	CA19982233738	19980331
CA2437223 AA	20030801	CA20022437223	20020201
CA2437223 C	20091117	CA20022437223	20020201
CN100413727 C	20080827	CN20028007879	20020201
CN1501868 A	20040602	CN20028007879	20020201
DE60220990 D1	20070816	DE20026020990	20020201
DE60220990 T2	20080306	DE20026020990T	20020201
EP1363802 A1	20031126	EP20020713510	20020201
EP1363802 A4	20040428	EP20020713510	20020201
EP1363802 B1	20070704	EP20020713510	20020201
HK1065289 A1	20090424	HK20040108167	20041019
HK1065289 A3	20050218	HK20040108167	20041019
JP2004535321 T2	20041125	JP20020562592T	20020201
JP4446659 B2	20100407	JP20020562592T	20020201
KR100866003 B1	20081029	KR20037010242	20020201
KR20040004521 A	20040113	KR20037010242	20020201
US2001037747 AA	20011108	US20010775930	20010202
US5845581 A	19981208	US19960646198	19960507
US6182576 BA	20010206	US19980206792	19981207
US6450103 BB	20020917	US20010775930	20010202
WO02062612 A1	20020815	WO2002US02755	20020201

Probable Assignee: EINER SVENSSON

Assignee(s):(std)**:** EINER SVENSSON ; SVENSSON EINAR ; SVENSSON EINER

Assignee(s): EINAR SVENSSON

Inventor(s):(std)**:** EINAR SVENSSON ; SVENSSON EINAR ; SVENSSON EINER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BARRIGAR INTELLECTUAL PROPERTY LAW; SMART AND BIGGAR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B60L13/00 B60L13/04 B60L13/06 B60L13/10 B60L5/38 B60L5/40 B61B13/00 B61B13/04 B61B13/06 B61B13/08 B61H5/00 E01B25/10 (Advanced/Invention);
B60L13/04 (Advanced/Non–invention);
B60L13/00 B60L13/04 B61B13/00 B61B13/04 B61B13/08 E01B25/00 (Core/Invention);
B60L (Subclass/Invention)

B60L13/00 B60L13/04 B60L13/10 B61B13/06 B61B13/08 B61B5/00

International class (IPC 1–7):

CPC: E01B25/28 B60L2200/26 B60L5/38 B60L5/40 B60L13/10 B61B13/04 B60L13/06 E01B25/10 Y02T90/16 B60L13/04

European class: B60L13/06 B60L13/10 B60L5/38 B60L5/40 B61B13/04 E01B25/10 E01B25/28 L60L200/26 Y02T90/16

US class: 104/118 104/120 104/124 104/124S 104/130.11 104/243 104/243S 104/244 104/281 104/284 105/136 105/145 105/147 105/167 105/172 105/174 191/22R

Classification Explorer

Cited documents: WO0027681 A1, US646198, US6044770 A, US5945581, US5845581 A, US5722326 A, US5657697 A, US5651318 A, US5605100 A, US5586504 A, US5517924 A, US5445080 A, US5386782 A, US5345878 A, US5275112 A, US5247890 A, US5215015 A, US5213046 A, US5127337 A, US4996928 A, US4882999 A, US4671185 A, US4646651 A, US4447680 A, US4299173 A, US4280412 A, US4232611 A, US4194603 A, US4181080 A, US4158468 A, US4153302 A, US4090452 A, US4089272 A, US3964398 A, US3951075 A, US3896737 A, US3874299 A, US3861320 A, US3851594 A, US3847088 A, US3847086 A, US3841227 A, US3823672 A, US3710727 A, US3673966 A, US3426703 A, US3405650 A, US3397014 A, US3376830 A, US3198139 A, US3123191 A, US3095828 A, US3017838 A, US3010411 A, US2853956 A, US2670994 A, US1600767 A, US081337 P, SU1476766 T, JP54140311 A2, JP4062201 A2, GB318969 A, GB2209318 A1, GB1004952 A, DE4309722 C1, DE2541599 A1, CA550219 A, CA1004084 A1,

Forward Citations: WO16126501, WO14135980, WO14025347, WO12162767, WO10091799, WO09142753, WO09142753, WO09067116, WO09059362, WO08079975, WO04002800, WO03013932, WO0141551, WO0141551, WO0027681, US9718630, US9669847, US9641117, US9604798, US9599235, US9570330, US9566987, US9533697, US9517901, US9511959, US9415783, US9393968, US9346371, US9315198, US9096236, US9096235, US9085305, US8960099, US8827617, US8783192, US8651789, US8602706, US8578861, US8511237, US8505463, US8371792, US8347556, US8342101, US8297196, US8234981, US8215238, US8132513, US8113125, US7975620, US7966943, US7954434, US7926425, US7891303, US7802755, US7721656, US7699007, US7699006, US7694632, US7587982, US7500834, US7380508, US7334524, US7127999, US7026732, US7008275, US6923124, US6834595, US6784572, US6637561, US6622635, US6571717, US6564516, US6450103, US6418856, US6308636, US6298791, US6279484, US6253685, US6182576, US6129028, US6029579, US2014305331, US2014261057, US2014252790, US2014013992, US2013341920, US2013139717, US2013055921, US2012294698, US2011259236, US2011232844, US2011226151, US2011200417, US2011056407, US2011042474, US2010326314, US2010248884, US2010199876, US2010146869, US2010089275, US2010043665, US2010037796, US2010011986, US2009320715, US2009288578, US2009249974, US2009162179, US2009095192, US2009020033, US2008298947, US2008224473, US2008173209, US2008148988, US2008110367, US2007256588, US2007169662, US2007119333, US2007119332, US2007095245, US2007044678, US2007034106, US2006290193, US2006219128, US2006201376, US2006162609, US2006060693, US2005178284, US2005070174, US2005011399, US2004247451, US2004244633, US2004144283, US2004011242, TWI449305, KR101530204, KR101196613, KR101166279, KR101090846, KR101028036, KR100985162, JP5010682, JP2013520347, EP2928749, EP2217482, EP1781521, EP1726503, EP1517823, EP1430181, CN105730458, CN105620504, CN105438206, CN105083304, CN105015556, CN104661857, CN104321217, CN104321217, CN103129562, CN102730009, CN102673573, CN102431562, CN102431562, CN102275513, AU2008324761,

Abstract:
Source: US2001037747A A monorail system for passenger and light freight transportation provides a support structure with an essentially planar top surface and a stabilizer guide rail having a vertical web portion supporting a head portion. The head guides a vehicle along the top surface while conductors secured to the web portion transmit electrical current to the vehicle through a current collector secured to the vehicle. A portion of the stabilizer guide rail may be flexible providing a simple, inexpensive device for switching the vehicle between a plurality of tracks. The system operates equally well with a variety of vehicle propulsion and suspension systems including electromechanical, magnetic levitation or linear electric motors. In addition, the system may be operated with a semi–maglev system, wherein the vehicle is partially supported by wheels and magnetic levitation.

0) US6086314A – FOLDABLE PLATFORM WHEELCHAIR LIFT

83) Family number: 11304509 (US6086314A) © PatBase

Title: FOLDABLE PLATFORM WHEELCHAIR LIFT

Priority: US19970912279 19970815 WO1998US16671 19980811

Family:

Publication number	Publication date	Application number	Application date
AU199889028 A1	19990308	AU19980089028	19980811
US6086314 A	20000711	US19970912279	19970815
WO9908641 A1	19990225	WO1998US16671	19980811
WO9908641 C2	19990506	WO1998US16671	19980811

Probable Assignee: RICON CORP

Assignee(s):(std)**:** RICON CORP

Assignee(s): MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH ; MERRILL LYNCH CAPITAL A DIVISION OF MERRILL LYNCH BUSINESS FINANCIAL SERVICES INC AGENT AS

Inventor(s):(std)**:** SAVARIA PIERRE

Inventor(s): PIERRE SAVARIA

Designated states: AT AU BE CA CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

International class (IPC 8–9)**:** A61G3/06 (Advanced/Invention); A61G3/00 (Core/Invention)

International class (IPC 1–7)**:** A61G3/06 B60P1/44

CPC: Y10S414/13 Y10S414/134 A61G3/06 A61G3/062

European class: A61G3/06

US class: 414/546 414/917 414/921

Classification Explorer

Cited documents: US5672041 A, US5564884 A, US5433581 A, US5401135 A, US5261779 A, US4534450 A, US4408948 A, US4270630 A, US4140230 A, US4138023 A,

Forward Citations: WO06072013, WO03104133, WO03104133, USD708412, USD595471, USD472690, US9603759, US9486376, US9101519, US9051156, US8998558, US8973713, US8783419, US8739935, US8132997, US8113760, US8079447, US7926618, US7815413, US7721850, US7509187, US7467917, US7445416, US7419349, US7413395, US6837670, US6726435, US6585474, US6379102, US6236905, US2015272799, US2011174579, US2011070057, US2009129906, US2008308358, US2008308357, US2008247853, US2008206030, US2007183881, US2007183880, US2007118982, US2006195220, US2006182570, US2006048310, US2006018743, US2004146386, US2004028513, ES2387161, EP1815834, EP1491173, EP1491173,

Abstract:
Source: US6086314A A wheelchair lift for use in conjunction with a vehicle having a door opening and a floor. The wheelchair lift includes a foldable platform assembly having two platform plates hingeably connected along their adjacent edges which are automatically foldable and stowed at one side of the vehicle door opening.

0) US5935011A – WHEELCHAIR ACCESSIBLE CAROUSEL VEHICLE

84) Family number: 11664512 (US5935011A) © PatBase

Title: WHEELCHAIR ACCESSIBLE CAROUSEL VEHICLE

Priority: US19980070275 19980430

Family:

Publication number	Publication date	Application number	Application date
US5935011 A	19990810	US19980070275	19980430

Probable Assignee: UNIVERSAL CITY STUDIOS LLC

Assignee(s):(std)**:** UNIVERSAL CITY STUDIOS INC

Assignee(s): UNIVERSAL CITY STUDIOS LLC ; UNIVERSAL CITY STUDIOS LLLP ; UNIVERSAL STUDIOS INC ; JPMORGAN CHASE BANK ADMINISTRATIVE AGENT AS ; JPMORGAN CHASE BANK AS ADMINISTRATIVE AGENT ; UNIVER L CITY STUDIOS LLLP SA

Inventor(s):(std)**:** LAUREN CHRISTIAN ; MORGAN DANA H ; OLSON GEORGE

International class (IPC 8–9)**:** A61G3/06 A63G4/00 (Advanced/Invention); A61G5/10 (Advanced/Non–invention); A61G3/00 A63G4/00 (Core/Invention); A61G5/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63G1/48

CPC: A61G3/061 A61G5/10 A63G4/00 A61G3/067

European class: A61G3/06A A63G4/00 K61G5/10

US class: 14/695 414/462 414/695 472/29 472/36

Classification Explorer

Cited documents: US5564984 A, US5393192 A, US5380144 A, US5259081 A, US5160236 A, US5026243 A, US4865312 A, US4759682 A, US4522390 A, US4103934 A, US3955847 A, US3730361 A, US2063468 A, US1919467 A, US1717303 A,

Forward Citations: WO03082630, WO0013759, USD445474, USD428958, US9289337, US9272224, US8960097, US7784405, US7670097, US6997815, US6929553, US6736732, US6517443, US6364594, US6340280, US6227790, US6171198, US2015251101, US2010078291, US2010066111, US2009269175, US2009001750, US2005101394,

Abstract:
Source: US5935011A A carousel has a ramp for providing wheelchair access. The ramp is slidably stored on the underside of the carousel platform. In use, the ramp is pulled out from the carousel and is then unfolded, using a lever handle. The outer or bottom end of the lower ramp section rests on the ground. The inner or upper end of the second ramp section is positioned on the top surface of the carousel platform, or on a raised vehicle platform above the carousel platform. A wheelchair can then roll up the ramp and onto the carousel. The wheelchair is secured into a vehicle, such as a chariot, on the carousel. The vehicle oscillates vertically, to provide the wheelchair passenger with a more traditional and enjoyable carousel ride experience.

0) EP0943463A1 – FIXING OF A WHEEL HUB TO A FRAME WITH A REMOVAB...

85) Family number: 12905581 (EP0943463A1) © PatBase

Title: FIXING OF A WHEEL HUB TO A FRAME WITH A REMOVABLE AXLE E.G. ON A WHEELCHAIR

Priority: EP19980810236 19980319

Family:

Publication number	Publication date	Application number	Application date
EP0943463 A1	19990922	EP19980810236	19980319

Probable Assignee: EDCO ENG SA

Assignee(s):(std)**:** EDCO ENG SA

Assignee(s): EDCO ENGINEERING S A ; EDCO ENGINEERING SA

Inventor(s):(std)**:** NIEDRIG FRANKLIN

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

International class (IPC 8–9)**:** A61G5/10 B60B37/10 (Advanced/Invention); A61G5/00 B60B37/00 (Core/Invention)

International class (IPC 1–7)**:** A61G5/10 B60B37/10

CPC: B60B37/10 A61G5/10 A61G5/1083

European class: A61G5/10 B60B37/10 K61G5/10Z3

Classification Explorer

Cited documents: WO9302648 A1, US5727850 A, US4679862 A, US4515383 A, FR2588513 A1, DE4301071 C1, AU4765085 A1,

Forward Citations: FR3011511, EP2860046,

Abstract:
The wheel fixing device secures the hub (1) of the wheel to a chassis (5). It uses a removable axle (6), which passes through the hub into an opening (7) in the chassis and is secured in place using a locking device. When the axle is pushed into position, the push rod (9), under the action of the spring (10) forces the locking balls (11) out through the holes (16), in the control tube (17), to lock the axle in place. A control piece (22) secures the push rod in the locked position.

0) US2002073876A – SUPPORT STRUCTURE FOR ELEVATED

86) Family number: 44102277 (US2002073876A) © PatBase

Title: SUPPORT STRUCTURE FOR ELEVATED

Priority: US19980081337P 19980408 US19980107485P 19981106 US19990127818P 19990405 US19980206792 19981207 US20000673033 20001206 US20010925959 20010809 WO1999US07659 19990408 WO2002US23271 20020723 US20010925959 20010809 WO2002US23271 20040209

Family:

Publication number	Publication date	Application number	Application date
AT428025 E	20090415	AT20020765864T	20020723
AU2002329624 AA	20030224	AU20020329624	20020723
CA2456145 AA	20040206	CA20022456145	20020723
CA2456145 C	20090630	CA20022456145	20020723
CN1289757 C	20061213	CN20028020011	20020723
CN1568388 A	20050119	CN20028020011	20020723
DE60231889 D1	20090520	DE20026031889	20020723
EP1430181 A2	20040623	EP20020765864	20020723
EP1430181 A4	20060628	EP20020765864	20020723
EP1430181 B1	20090408	EP20020765864	20020723
KR100791182 B1	20080102	KR20047002011	20020723
KR20040058173 A	20040703	KR20047002011	20020723
US2002073876 AA	20020620	US20010925959	20010809
US6564516 BA	20030520	US20000673033	20001206
US6571717 BB	20030603	US20010925959	20010809
WO0027681 A1	20000518	WO1999US26056	19991105
WO03013932 A2	20030220	WO2002US23271	20020723
WO03013932 A3	20031002	WO2002US23271	20020723
WO03013932 B1	20031211	WO2002US23271	20020723
WO9951455 A1	19991014	WO1999US07659	19990408
WO9951455 C2	20000224	WO1999US07659	19990408

Probable Assignee: EINAR SVENNSON

Assignee(s):(std)**:** EINAR SVENNSON ; SVENNSON EINAR ; SVENSSON EINAR

Assignee(s): EINAR SVENSSON

Inventor(s):(std)**:** EINAR SVENNSON ; EINAR SVENSSON ; SVENNSON EINAR ; SVENSSON EINAR

Agent(s): SMART AND BIGGAR; MOORE CHRISTOPHER MARK ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B60L13/06 B60L13/10 B60L5/38 B60L5/40 B61B13/00 B61B13/04 B61B13/06 B61B13/08 B61H5/00 E01B25/00 E01B25/08 E01B25/10 (Advanced/Invention); E01B25/00 (Advanced/Non–invention); B60L13/00 B60L13/04 B60L5/00 B61B13/00 B61B13/04 B61B13/08 B61H5/00 E01B25/00 (Core/Invention)

International class (IPC 1–7): B60L13/06 B61B13/04 B61B5/00 E01B25/00 E04H12/00

CPC: B60L2200/26 B60L5/38 B60L5/40 B60L13/10 E01B25/10 B61B13/04 E01B25/08 Y02T90/16 E01B25/00

European class:

B60L13/10 B60L5/38 B60L5/40 B61B13/04 E01B25/08 E01B25/10 L60L200/26 Y02T90/16

US class: 104/118 104/120 104/124 104/124S 104/125 105/141 52/143 52/174 52/296

Classification Explorer

Cited documents: US646198 A, US6182576 BA, US5845581 A, US5845581, US5651318 A, US5511488 A, US5445080 A, US5386782 A, US5345878 A, US4665830 A, US4382412 A, US4313383 A, US4274336 A, US4042308 A, US3841227 A, US3710727 A, US3710727, US3477080 A, US3447481 A, US3426703 A, US3353498 A, US3225703 A, US2731922 A, US2630075 A, US20679298, US1600767 A, US1305415 A, US107485 P2, GB976865 A, GB2209318 A1, GB1495143 A, DE3335058 A1, CA550219 A,

Forward Citations: WO16025026, WO14025347, US9683918, US9517885, US9415783, US9309050, US9242800, US9223538, US9096236, US9008884, US8977375, US8954188, US8401682, US8364295, US7930047, US7895950, US7357290, US7357084, US7350467, US7347350, US7334525, US7293506, US7277765, US7182023, US7066094, US6951433, US6785945, US6782832, US2015197399, US2013055921, US2013000236, US2010089275, US2009025617, US2008163781, US2006162609, US2006102042, US2006081150, US2005045691, US2005045690, US2004237830, US2004221761, US2004182025, US2003116692, RU2477357, FR3040352, EP3135554, EP1482091, EP1363802, CN102673573,

Abstract:
Source: US2002073876A The invention is a support structure for a railed−vehicle that includes individual, unassembled components sized for easy transport. In one embodiment, the support structure includes curved columns integrally−formed with a base, the columns imparting a curved, Y−shaped configuration to the support structure. The components may be prefabricated with known materials and methods and transported to an installation site for assembly. The support structure is preferably sized to support one or two vehicle guideways. The support structure may include a pile foundation for improved support during seismic activity and to facilitate installation on existing streets and sidewalks without covering or interfering with underground plumbing or utilities. Preferably, multiple sections of the guideway are rigidly secured together through expansion joints to define a continuous guideway such that loads on the guideway are distributed over multiple columns.

0) US2001005478A – LOW FLOOR VEHICLE RAMP ASSEMBLY

87) Family number: 28141031 (US2001005478A) © PatBase

Title: LOW FLOOR VEHICLE RAMP ASSEMBLY

Priority: CA19992269176 19990414 CA19992284804 19990930 US19980060948 19980415 US19990459063 19991210 US19990290971 19990413 US19990291437 19990413 US19990442130 19991116 US19990291166 19990413 US19980164434 19980930 US20010784940 20010213 US20010784938 20010213 US20010785102 20010213 US20020180469 20020625 US20000563774 20000502

Family:

Publication number	Publication date	Application number	Application date
CA2269176 AA	19991015	CA19992269176	19990414
CA2284804 AA	20000330	CA19992284804	19990930
US2001005478 AA	20010628	US20010784940	20010213
US2001008606 AA	20010719	US20010784938	20010213
US2001043853 AA	20011122	US20010785102	20010213
US2003007853 AA	20030109	US20020180469	20020625
US6010298 A	20000104	US19990291166	19990413
US6186733 BA	20010213	US19980060948	19980415
US6203265 BA	20010320	US19990459063	19991210
US6210098 BA	20010403	US19990291437	19990413
US6238168 BA	20010529	US19990442130	19991116
US6409458 BA	20020625	US20000563774	20000502

Probable Assignee: LIFT U DIVISION HOGAN MFG INC

Assignee(s):(std)**:** LIFT U DIVISION HOGAN MFG INC

Assignee(s): LIFT U DIVISION OF HOGAN MFG ; LIFT U DIVISION OF HOGAN MFG INC ; SIMON CURTIS J ; COHN ALAN R ; LEWIS CLEATUS A

Inventor(s):(std)**:** COHN ALAN R ; LEWIS CLEATUS A ; SIMON CURTIS J

Agent(s): SMART AND BIGGAR

International class (IPC 8–9)**:** A61G3/06 B60P1/43 B60R3/02 B65G69/28 F16H7/24 (Advanced/Invention); A61G3/00 B60P1/00 F16H7/00 (Core/Invention)

International class (IPC 1–7)**:** A61G3/06 B60P1/00 B60P1/43 B60P1/44 B65F1/00 B65G69/28

CPC: Y10S414/134 B60R3/02 A61G3/061 B60P1/431 F16H7/24 Y10T74/1884 A61G3/067

European class: A61G3/06A B60P1/43A B60R3/02 F16H7/24

US class: 14/71.1 414/522 414/537 414/537P 414/921 474/130 74/89.21

Classification Explorer

Cited documents: WO9912506 A1, WO99121506, WO9911506 A1, US5988722 A, US5934725 A, US5865593 A, US5832555 A, US5829945 A, US5676515 A, US5675515 A, US5636399 A, US5564767 A, US5564309 A, US5544998 A, US5472306 A, US5433580 A, US5421692 A, US5393192 A, US5391041 A, US5380144 A, US5357869 A, US5305486 A, US5299904 A, US5284414 A, US5259081 A, US5257894 A, US5253973 A, US5205010 A, US5180275 A, US5160236 A, US5110252 A, US5062760 A, US5046913 A, US5011199 A, US4979588 A, US4950123 A, US4900217 A, US4850788 A, US4845792 A, US4827548 A, US4827538 A, US4824158 A, US4759682 A, US4685858 A, US4685857 A, US4647270 A, US4466771 A, US4339224 A, US4338642 A, US4325668 A, US4294571 A, US4243147 A, US4131209 A, US4078678 A, US3511393 A, SU745418 T, SU729030 T, RU729030, JP5018448 A2, GB2313589 A1, EP0578574 A1, EP0217265 A1, DE4234064 A1, AU374154 A1, AT374154 B,

Forward Citations: WO16195654, WO15150094, WO14190353, WO11044699, WO10123535, WO09002497, WO05042302, WO05042302, WO03064208, WO03018355, WO02055334, WO0202043, WO0121434, WO0121434, USD755078, USD551420, US9603759, US9603758, US9597240, US9505330, US9333129, US9168190, US9126522, US9101519,

US9010784, US8998558, US8967669, US8943631, US8938837, US8936275, US8926254, US8769823, US8739341, US8621696, US8590159, US8578536, US8534979, US8533884, US8517659, US8505141, US8438683, US8434181, US8402660, US8397329, US8375496, US8359691, US8327486, US8250693, US8181300, US8132281, US8122553, US8122552, US8020234, US7978119, US7971891, US7960853, US7934736, US7913343, US7913342, US7913341, US7870630, US7816878, US7802337, US7798761, US7703781, US7699019, US7559400, US7527467, US7509187, US7425005, US7419349, US7413395, US7264433, US7228582, US7108271, US7077616, US7052227, US7033127, US7018574, US7001132, US6986519, US6860701, US6837670, US6802095, US6564659, US2015352992, US2014147237, US2011088179, US2011088178, US2011088177, US2011088176, US2011088175, US2011088174, US2011070057, US2011035104, US2011027054, US2011023245, US2010283581, US2010255638, US2010050564, US2009274542, US2009271077, US2009259371, US2009184487, US2009184486, US2009133334, US2009117297, US2009106918, US2009084038, US2008271268, US2008187425, US2008184623, US2008184500, US2008134930, US2007212206, US2006245883, US2006237941, US2006233632, US2006195220, US2006104773, US2006045703, US2006018743, US2005215371, US2005063810, US2005036867, US2004172775, US2004164439, US2004150178, US2004146386, US2004146385, US2004136820, US2004107520, US2004013507, US2003215316, GB2396884, GB2396884, FR2811223, DE102014212988,

Abstract:
Source: US2001005478A A ramp assembly (20) for mounting in a low floor bus (22) or other vehicle. The ramp assembly (20) includes a rectangular enclosure (24) that fits underneath the chassis of the low floor bus (22). The ramp assembly (20) includes a reciprocating mechanism (26) for moving a ramp platform (28) between a fully deployed position and a fully stowed position. During this movement, the reciprocating mechanism (26) raises the trailing end of the ramp platform (28) in one translational movement with the extension of the ramp platform, such that the trailing end of the ramp platform, when deployed, is raised to the floor level of the low floor bus (22).

0) WO0006416A1 – WHEELCHAIR AUXILIARY DEVICE DISPOSITIF AUXILIA...

88) Family number: 14651244 (WO0006416A1) © PatBase

Title: WHEELCHAIR AUXILIARY DEVICE

Priority: US19980123128 19980727

Family:

Publication number	Publication date	Application number	Application date
WO0006416 A1	20000210	WO1999US16912	19990727

Probable Assignee: SANDERS DANIEL C

Assignee(s):(std)**:** ESPOSITO MARION E ; SANDERS DANIEL C

Inventor(s):(std)**:** ESPOSITO MARION E

Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT LU MC MX NL PT SE

International class (IPC 8–9)**:** A61G5/10 B62B5/00 (Advanced/Invention)

International class (IPC 1–7)**:** B60P1/00 B62B1/00

CPC: A61G5/10 B62B5/0083 B62B5/0093 B62B2202/90 B62B2301/252

European class: A61G5/10 B62B5/00S L62B202/90 L62B301/25B

Classification Explorer

Cited documents: US5460399, US5325558, US1536611,

Forward Citations: FR2975656,

Abstract:
The device (1) is used to transport a wheelchair over difficult terrain such as sand, mud, snow, gravel, and shallow water. The device (1) includes balloon–type tires (17–20), an engageable brake (23, 25), a releasable wheelchair securing means (8), and a stowable ramp (21) for loading the wheelchair.

0) US2001038787A – ACCESS RAMP

89) Family number: 28150093 (US2001038787A) © PatBase

Title: ACCESS RAMP

Priority: GB19980018781 19980828 WO1999GB02821 19990826

Family:

Publication number	Publication date	Application number	Application date
AU199956345 A1	20000321	AU19990056345	19990826
AU199956345 A5	20000321	AU19990056345	19990826
AU750294 B2	20020711	AU19990056345	19990826
CA2340634 AA	20010214	CA19992340634	19990826
EP1107720 A1	20010620	EP19990943060	19990826
GB200103224 A0	20010328	GB20010003224	19990826
GB2356847 A1	20010606	GB20010003224	19990826
GB2356847 B2	20020327	GB20010003224	19990826
GB9818781 A0	19981021	GB19980018781	19980828
NZ509938 A	20020531	NZ19990509938	19990826
US2001038787 AA	20011108	US20010794636	20010227
WO0012039 A1	20000309	WO1999GB02821	19990826

Probable Assignee: PASSENGER LIFT SERVICES LTD

Assignee(s):(std)**:** BECK ADAM ; PASSENGER LIFT SERV LTD ; PASSENGER LIFT SERVICES LTD ; PHILLIPS DAVID

Assignee(s): PASSENGER LIFT SERVICES LIMITED

Inventor(s):(std)**:** ADAM BECK ; BECK ADAM ; DAVID PHILLIPS ; PHILLIPS DAVID

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP

Designated states: AT AU BE CA CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL NO NZ PT SE US

International class (IPC 8–9)**:** A61G3/06 B60P1/43 (Advanced/Invention); A61G3/00 B60P1/00 (Core/Invention)

International class (IPC 1–7)**:** A61G3/06 B60P1/00 B60P1/43 B65F1/00

CPC: B60P1/433 A61G3/061 A61G3/066 A61G3/067

European class: A61G3/06A B60P1/43C K61G3/06F

US class: 414/537

Classification Explorer

Cited documents: US4114944 A, FR2691694 A1, EP0416539 A1, DE9315872 U, DE9315872, DE7235943 U, DE29820881 U1, DE29820881 U, DE2982088,

Forward Citations: WO10066971, WO10066971, WO05123450, WO03002397, US9597240, US8926254, US8702481, US2016242975, US2015175079, US2014356116, US2009274542, GB2415680, GB2415179, GB2371525, GB2371525, FR2939735, FR2901515, ES2584920, EP2401994, EP2365920, EP2260817, EP1859996, EP1227032, DE102014207349, CN102378706,

Abstract:
Source: US2001038787A A ramp (2) to give wheelchair access to a bus (4) comprises a raisable and lowerable platform (26) pivotably mounted on a supporting frame (14) and a further platform (28) extensible beyond a front end (32) of the platform (26) and retractable relative to that platform. A fluid pressure operated piston and cylinder unit (58) below the ramp is arranged to act between the platforms to extend and retract the platform (28) along a line of action A. The unit (58) acts along a line of action B which is transverse to line A. The supporting frame (14) is U–shaped with horizontal open ended slots (82 and 84) at the front ends of its arms. Similar platform slots are formed in two opposite sides of the platform (26) adjacent its front end (32) and each platform slot coincide with the respective slot (82 or 84) when the platform (26) is in a raised position. When the platform (26) is in that position and the platform (28) is fully retracted lateral flanges (86 and 88) on platform (28) enter the corresponding

slot (82 or 84) and the corresponding platform slot in platform (26) so the flanges can rest on the lower sides of the slots (82 and 84) and support the raised and retracted ramp.

0) EP1726503A2 – MONORAIL SYSTEM EINSCHIENENBAHNSYSTEM SYSTEME...

90) Family number: 44390713 (EP1726503A2) © PatBase

Title: MONORAIL SYSTEM

Priority: EP19990971770 19991105 KR20017005666 20010504 US19980107485P 19981106 US19980206792 19981207 WO1999US26056 19991105 WO1999US26056 20010504

Family:

Publication number	Publication date	Application number	Application date
AT336409 E	20060915	AT19990971770T	19991105
AU200014680 A1	20000529	AU20000014680	19991105
AU200014680 A5	20000529	AU20000014680	19991105
AU769394 B2	20040122	AU20000014680	19991105
CA2349463 AA	20010503	CA19992349463	19991105
CA2349463 C	20080408	CA19992349463	19991105
CN1123468 C	20031008	CN19998015123	19991105
CN1332679 A	20020123	CN19998015123	19991105
DE69932847 D1	20060928	DE19996032847	19991105
DE69932847 T2	20070308	DE19996032847T	19991105
EP1137566 A1	20011004	EP19990971770	19991105
EP1137566 A4	20030507	EP19990971770	19991105
EP1137566 B1	20060816	EP19990971770	19991105
EP1726503 A2	20061129	EP20060076549	19991105
EP1726503 A3	20070919	EP20060076549	19991105
HK1043771 A1	20040702	HK20020105411	20020722
JP2002529301 T2	20020910	JP20000580875T	19991105
JP4418112 B2	20100217	JP20000580875T	19991105
KR100754802 B1	20070903	KR20017005666	19991105
KR20010099784 A	20011109	KR20017005666	19991105

Probable Assignee: SVENSSON EINAR

Assignee(s):(std)**:** SVENSSON EINAR

Assignee(s): EINAR SVENSSON

Inventor(s):(std)**:** SVENSSON EINAR

Inventor(s): EINAR SVENSSON

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR

Designated states: AM AT AZ BE BF BJ BY CF CG CH CI CM CY DE DK ES FI FR GA GB GH GR IE IT KE KG KZ LI LU MC MD MR NE NL PT RU SD SE SL SN SZ TG TJ TZ UG ZW

International class (IPC 8–9): B60L13/10 B60L5/38 B60L5/40 B61B13/00 B61B13/04 B61B13/06 B61B13/08 B61B5/00 B61H5/00 E01B25/10 (Advanced/Invention);
B61B13/00 B61B13/08 B61B5/00 B61H5/00 (Advanced/Non–invention);
B61B13/00 B61B13/04 B61B13/08 B61B5/00 B61H5/00 E01B25/00 (Core/Invention)

International class (IPC 1–7): B61B13/00 B61B13/04 B61B13/06 B61B13/08 B61B5/00 B61H5/00 E01B25/10

CPC: B60L2200/26 B61B13/04 B60L5/38 B60L5/40 B60L13/10 E01B25/10 Y02T90/16

European class: B60L13/10 B60L5/38 B60L5/40 B61B13/04 E01B25/10 L60L200/26 Y02T90/16

Classification Explorer

Cited documents: WO9815444 A1, WO9518889 A1, US6182576 BA, US5845581 A, US5691584 A, US5509492 A, US5445080 A, US5345878 A, US5174219 A, US3881427 A, US3841227 A, US3710727 A, US3593667 A, US3405650 A, US3345952 A, US3012519 A, US3001484 A, JP7228244 A2, JP3031055 A2, GB1353661 A, FR2381863 A1, FR1575762 A, FR1283292 A, DE1243712 B,

Forward Citations: WO15150885, WO09049142, US8215238, KR101090846, KR100719032, ITMO20120164, EP2882608, DE102010048819, CN105197044, CN105035098, CN102730010, CN102730009, CN102358293,

Abstract:
Source: EP1726503A2 A monorail system for passenger and light freight transportation provides a support structure (14) with an essentially planar top surface (12) and a stabiliser guide rail (18) having a vertical web portion (22) supporting a head portion (24). The head (24) guides a vehicle along the top surface (12) while conductors (76) secured to the web portion (22) transmit electrical current to the vehicle (30) through a current collector (78) secured to the vehicle (30). A portion of the stabiliser guide rail (300) may be flexible providing a simple, inexpensive device for switching the vehicle (30) between a plurality of tracks. The system operates equally well with a variety of vehicle propulsions and suspension systems including electro−mechanical, magnetic levitation or linear electric motors. In a preferred embodiment, the width of the support structure's top surface (12) is approximately half the width of the vehicle (30), and the side of the web portion (22) opposite the side having the conductor (76) includes control conduits (90) that transmit command signals to the vehicle (30) through a communications connector (92) secured to the vehicle (30).

0) US6598724B – WHEEL HUB

91) Family number: 29372064 (US6598724B) © PatBase

Title: WHEEL HUB

Priority: GB19990004607 19990301 GB19990017310 19990723 WO2000GB00713 20000229

Family:

Publication number	Publication date	Application number	Application date
AT280068 E	20041115	AT20000906514T	20000229
AU200028173 A5	20000921	AU20000028173D	20000229
DE60015088 D1	20041125	DE20006015088	20000229
EP1156955 A1	20011128	EP20000906514	20000229
EP1156955 B1	20041020	EP20000906514	20000229
GB200004620 A0	20000419	GB20000004620	20000229
GB2348934 A1	20001018	GB20000004620	20000229
GB2348934 B2	20030604	GB20000004620	20000229
GB9904607 A0	19990421	GB19990004607	19990301
GB9917310 A0	19990922	GB19990017310	19990723
US6598724 BA	20030729	US20010914661	20011217
WO0051870 A1	20000908	WO2000GB00713	20000229

Probable Assignee: STEDMAN KENNETH B

Assignee(s):(std)**:** IAIN ROBERT WARNER ; KENNETH BRIAN STEDMAN ; STEDMAN KENNETH B ; STEDMAN KENNETH BRIAN ; WARNER IAIN R ; WARNER IAIN ROBERT

Inventor(s):(std)**:** STEDMAN KENNETH BRIAN ; WARNER IAIN ROBERT

Inventor(s): IAIN ROBERT WARNER ; KENNETH BRIAN STEDMAN

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

International class (IPC 8–9): B62B5/04 (Advanced/Invention); B62B5/00 (Core/Invention)

International class (IPC 1–7): B62B5/04

CPC: A61G5/1027 A61G5/101 A61G5/1035 B62B5/0461

European class: L62B5/04L3

US class: 188/2F 192/217 280/304.1

Classification Explorer

Cited documents: WO9420323 A1, US6378663 BA, US5746437 A, US5743544 A, US5727850 A, US5486016 A, US5482305 A, US5401044 A, US5197750 A, US5184837 A, US5160156 A, US4987978 A, US4762332 A, US4727965 A, US4520804 A, US4045047 A, US3637243 A, US3438283 A, US1566405 A, GB2291019 A1, EP0836843 A1, EP0684177 A2, EP0220734 A2, DE2929138 A1,

Forward Citations: US8123711, US8087977, US7722444, US7402027, US2012231922, US2010022929, US2008146126, US2006276114, US2005230230, GB2396671, GB2396671, EP1697653,

Abstract:
Source: US6598724B A wheel hub (10), primarily for a wheelchair wheel, can be manually operated by rotating a cover (168) to give three different operating states for the wheel which includes the hub. In the first position, the wheel is free to rotate relative to the chair. In the second position, the wheel is locked to the chair, i.e. the chair is braked. In the third position, the wheel can turn in the direction corresponding to forward motion of the chair, but cannot rotate in the opposite direction. This prevents the wheelchair from undesired backward rolling movement.

0) US6530598B – ANTI–TIP DEVICES FOR WHEELED CONVEYANCES INCLUD...

92) Family number: 14922852 (US6530598B) © PatBase

Title: ANTI–TIP DEVICES FOR WHEELED CONVEYANCES INCLUDING WHEELCHAIRS AND METHOD RELATED THERETO

Priority: US19990302140 19990429 WO2000CA00493 20000428

Family:

Publication number	Publication date	Application number	Application date
AU200042823 A5	20001117	AU20000042823	20000428
US6530598 BA	20030311	US19990302140	19990429
WO0066060 A1	20001109	WO2000CA00493	20000428

Probable Assignee: TARTAN REHAB LTD

Assignee(s):(std)**:** KIRBY RONALD LEE ; TARTAN REHAB LTD

Inventor(s):(std)**:** KIRBY RONALD LEE

Inventor(s): RONALD LEE KIRBY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

International class (IPC 8–9): A61G5/10 (Advanced/Invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): A61G5/10 B60R21/00

CPC: A61G5/1054 A61G5/1089 A61G5/10

European class: A61G5/10 K61G5/10H K61G5/10Z5

US class: 280/647 280/650 280/755

Classification Explorer

Cited documents: WO9802122 A1, WO9324342 A1, WO0012040 A1, US900077 A, US5944131 A, US5848658 A, US5564512 A, US5421598 A, US5330221 A, US5316328 A, US5181733 A, US5143391 A, US5137295 A, US4934725 A, US4877260 A, US4811964 A, US4772037 A, US4572577 A, US4565385 A, US4515383 A, US4500102 A, US4154452 A, US3848883 A, US3580591 A, US3256040 A, FR24647106 A1, FR2464706 A1, EP0908166 A2, DE9217764 U,

Forward Citations: WO11126596, WO07099565, US9700470, US9603762, US9370455, US9364377, US9346335, US9308143, US9186289, US9149398, US9089367, US9010470, US8925943, US8910975, US8910344, US8794359, US8684145, US8636089, US8573341, US8534679, US8297388, US8272461, US8172016, US8172015, US8075011, US7934740, US7810591, US7779850, US7694990, US7597163, US7472767, US7419182, US7374002, US7360792, US7344155, US7293801, US7234554, US7219924, US7219755, US7114731, US7083195, US7066290, US7055634, US6938923, US6935448, US6923280, US6923278, US6851711, US2010109283, US2009301533, US2008257617, US2007222199, US2007170760, US2007145711, US2006097478, US2006091663, US2006076748, US2006076747, US2005077705, US2005012289, US2005000742, US2004004342, CN102822012, CN102822012, CH709690, AU2011238867, AU2005100261,

Abstract:
Source: US6530598B Featured is an anti–tip device for regulating the amount of allowable tilting for an apparatus, such as a wheeled conveyance including a wheelchair, in one of a backward, forward or sideways direction. The anti–tip device includes a housing that is secured to the frame or support structure of the apparatus, in which housing is rotatably secured a support arm. The housing is configured so the support arm is in either a rest position or an operable position. The rest position generally corresponds to the non–tilted condition of the apparatus and in the operable position, the housing engages the support arm. Engagement of the support arm with the housing coupled with the distal end being in contact with the support surface prevents further rotation of the support arm and thus further tilting of the apparatus. When the apparatus is tilted in one of a backwards, forward or sideways direction, the support arm automatically rotates within the housing out of the rest position

responsive to this tilting of the apparatus. The housing further includes a tilt−adjusting mechanism that selectively adjusts the angular distance between the rest position and the operable position and thus regulates the amount of tilting. In a specific embodiment, the adjusting mechanism comprises a cam that is rotatably mounted with the housing so a surface thereof contacts a surface of the support arm when it is in the operable position.

0) DE20101388U1 – ZAHNSTANGE

93) Family number: 16195541 (DE20101388U1) © PatBase

Title: Zahnstange

Priority: DE20011003490 20010126 DE20012001388U 20010126

Family:

Publication number	Publication date	Application number	Application date
DE10103490 A1	20020814	DE20011003490	20010126
DE20101388 U1	20010426	DE20012001388U	20010126

Probable Assignee: GOBBERS DIETER

Assignee(s):(std)**:** GOBBERS DIETER ; GOBBERS WALTER

Inventor(s):(std)**:** GOBBERS DIETER ; GOBBERS WALTER

International class (IPC 8–9)**:** B66F3/06 B66F7/12 F16G13/18 F16H19/00 F16H55/26 (Advanced/Invention); B66F3/00 B66F7/10 F16G13/00 F16H19/00 F16H55/02 (Core/Invention)

International class (IPC 1–7)**:** F16G13/20 F16H55/26

CPC: B66F3/06 B66F7/12 F16G13/20 F16H19/0636 F16H55/26

European class: B66F3/06 B66F7/12 F16G13/20 F16H19/06J F16H55/26 R16H19/06J

Classification Explorer

Cited documents: US2481471 A, US1870244 A, US1400054 A, FR472251 A, DE86011 A, DE10006165 A1,

Forward Citations: WO17066920, WO16162360, WO16108280, WO06061017, US8235254, JP5674892, JP2015074506, FR3024482, FR2958636, FR2868061, FR2839351, EP2520827, EP2520827, EP1847729, EP1617102, EP1617102, EP1344603, DE102014007458, DE102014007458, CZ300353, AT511378, AT511378, AT500317, AT500317,

Abstract:
Source: DE20101388U1 (Claim 1) 1. Zahnstange; 1.1 umfassend eine Mehrzahl von in Laengsrichtung aneinandergereihten Gliedern; 1.2 die Glieder sind derart aneinander angelenkt, dass die Zahnstange durch Umlenken um eine Kruemmungsachse eine gekruemmte Gestalt annimmt; 1.3 einander benachbarte Glieder weisen eine Einrichtung auf, mit der sich die Glieder miteinander verriegeln lassen.

0) US2001036395A – PIVOTAL HITCH–MOUNTED HAULER

94) Family number: 28154562 (US2001036395A) © PatBase

Title: Pivotal hitch–mounted hauler

Priority: US20000162421P 20000222 US20010790730 20010222

Family:

Publication number	Publication date	Application number	Application date
US2001036395 AA	20011101	US20010790730	20010222
US6435801 BB	20020820	US20010790730	20010222

Probable Assignee: TALBOTT TEDDY D

Assignee(s):(std)**:** TALBOTT TEDDY D

Inventor(s):(std)**:** TALBOTT TEDDY D

International class (IPC 8–9): B60P1/44 (Advanced/Invention); B60P1/44 (Core/Invention)

International class (IPC 1–7): B60P9/00 B65F3/02

CPC: B60P1/4407

European class: B60P1/44A

US class: 224/521 414/462

Classification Explorer

Cited documents: US6109855 A, US5529453 A, US4861224 A, US4036378 A, FR2620664 A1,

Forward Citations: US9096160, US9033641, US8801509, US8087866, US7857098, US7527466, US7513333, US7470097, US7296959, US7293951, US7290697, US7188848, US7073867, US6887027, US6848880, US6814366, US6638001, US6609481, US2012252338, US2010290876, US2010260587, US2009162174, US2009162168, US2009110531, US2009041567, US2007280806, US2006260871, US2006182571, US2006120841, US2006104767, US2006017259, US2005194831, US2005087576, US2004213655, US2004197165, US2004048565, US2003210965, US2003011169,

Abstract:
Source: US2001036395A A hauler (10) for hauling cargo behind a vehicle (V) and configured to mount on a hitch (H) is disclosed. The hauler (10) includes a base (12), a frame (14) pivotally mounted the base (12), and a basket (16) rotatably supported on the frame (14). The frame (14) is pivoted between loading and transport positions by a winch assembly (122). The winch assembly (122) is also operable to winch cargo into the basket (16), hoist cargo relative to the frame (14), and couple to and uncouple from hoisting and winching implements (156,158). The basket (16) is rotatable substantially 360 degrees relative to the frame (14) and can maintain indexed positions of rotation.

0) US6341657B – SUSPENSION FOR CENTRAL DRIVE VEHICLE

95) Family number: 16043588 (US6341657B)

© PatBase

Title: SUSPENSION FOR CENTRAL DRIVE VEHICLE

Priority: US19980109071P 19981118 US19990443012 19991118

Family:

Publication number	Publication date	Application number	Application date
US6341657 BA	20020129	US19990443012	19991118

Probable Assignee: ELECTRIC MOBILITY CORP

Assignee(s):(std)**:** ELECTRIC MOBILITY CORP

Inventor(s):(std)**:** HOPELY JR ROBERT C ; DIGIOVANNI ANTHONY P

International class (IPC 8–9)**:** A61G5/04 B60G11/02 (Advanced/Invention)

International class (IPC 1–7)**:** B60G11/02 B60K1/00 B60K7/00 B62D61/10

CPC: Y10S180/907 A61G5/06 A61G5/043 A61G5/1072 A61G5/14 A61G2203/14 B60G11/02 B60G2202/11 B60G2300/24 A61G5/128

European class: A61G5/04A4 A61G5/06 B60G11/02 K61G203/14 K61G5/10S12 K61G5/12H K61G5/14 L60G202/11 L60G300/24

US class: 180/24.07 180/55 180/6.5 180/65.5 180/65.51 180/65.6 180/907 267/41 280/124.17 280/124.175

Classification Explorer

Cited documents: WO9117077 A1, WO9006097 A1, USD365788 S1, USD365787 S1, USD365786 S1, USD305521 S1, US5944131 A, US5697465 A, US5690185 A, US5592997 A, US5575348 A, US5540297 A, US5531284 A, US5445233 A, US5442823 A, US5435404 A, US5413187 A, US5378045 A, US5366037 A, US5364120 A, US5294141 A, US5263728 A, US5240086 A, US5203610 A, US5195803 A, US5183133 A, US5170826 A, US5154251 A, US5145020 A, US5121938 A, US5094310 A, US5033793 A, US4989890 A, US4981305 A, US4887830 A, US4840390 A, US4813693 A, US4805925 A, US4721321 A, US4634941 A, US4595212 A, US4555121 A, US4538857 A, US4513832 A, US4511825 A, US4500102 A, US4424873 A, US4407383 A, US4387325 A, US4310167 A, US4245847 A, US4082348 A, US3953054 A, US3952822 A, US3902758 A, US3876041 A, US2152573 A, US1656175 A, US1158026 A, GB2132954 A1, FR2399822 A1, FR2383822 A1, FR2215054 A5, EP0338689 A2,

Forward Citations: WO17106555, WO08036279, WO08036279, WO03084772, USD651820, US9700470, US9603762, US9526664, US9468571, US9375372, US9370455, US9364377, US9346335, US9333130, US9320661, US9308143, US9301894, US9149398, US9010470, US8991532, US8925943, US8910975, US8851214, US8794359, US8678114, US8636089, US8616309, US8573341, US8534679, US8505657, US8419124, US8408598, US8408343, US8297388, US8292010, US8272461, US8181992, US8172016, US8172015, US8132634, US8037953, US8011680, US7931300, US7905306, US7896394, US7766106, US7735591, US7726689, US7597163, US7537069, US7516984, US7506709, US7497283, US7490683, US7472767, US7413038, US7389835, US7374002, US7316282, US7314220, US7264272, US7234554, US7219924, US7219755, US7104346, US7066290, US7040429, US6938923, US6935448, US6923280, US6796568, US6611975, US6543798, US6533306, US2016256337, US2016022516, US2015108735, US2014326522, US2014097031, US2012080247, US2011253464, US2011163575, US2011155484, US2011108348, US2011083914, US2010258363, US2010219623, US2010170730, US2010123296, US2010102529, US2010013172, US2010004820, US2009236165, US2008208394, US2008169136, US2008087481, US2007209848, US2007187157, US2007181353, US2007145711, US2007039766, US2006255581, US2006244249, US2006213705, US2006097475, US2006087097, US2006076748, US2006076747, US2006022445, US2006021806, US2005225040, US2005206149, US2005206124, US2005127631, US2005077714, US2005000742, US2004262859, US2004188152, US2004159476, US2004060748, US2004004342, US2003168265, US2003168264, US2003075365, US2003015353, US2002175007, GB2454158, AU2005100261,

Abstract:
Source: US6341657B A central drive personal mobility vehicle is disclosed comprising a frame having a right and a left frame mounting located in a trailing frame portion of the frame with a seat being mounted to an intermediate portion of the frame. A right and a left leaf spring extend between a proximal end and a distal end. The proximal ends of the right and left leaf springs are secured to a right and a left drive wheel assembly supporting a left and a right drive wheel. The distal ends of the right and left leaf springs are secured to the right and left frame mounting for resiliently mounting the right and left drive wheel assemblies to the frame.

0) US6348028B – MULTI–PURPOSE TRAINING APPARATUS

96) Family number: 20654082 (US6348028B) © PatBase

Title: MULTI–PURPOSE TRAINING APPARATUS

Priority: US20000559696 20000427

Family:

Publication number	Publication date	Application number	Application date
US6348028 BA	20020219	US20000559696	20000427

Probable Assignee: CRAGG BRANDON

Assignee(s): CRAGG BRANDON

Inventor(s):(std)**:** CRAGG BRANDON

International class (IPC 8–9)**:** A63B21/062 A63B69/20 A63B69/24 A63B69/34 (Advanced/Invention); A63B69/32 A63B71/06 (Advanced/Non–invention); A63B21/06 A63B69/20 A63B69/34 (Core/Invention); A63B71/06 (Core/Non–invention)

International class (IPC 1–7)**:** A63B71/00

CPC: A63B69/345 A63B21/0628 A63B69/201 A63B69/205 A63B69/24 A63B71/06 A63B2208/12 A63B2225/093 A63B2225/10 A63B2225/682

European class: A63B21/062 A63B69/20B A63B69/24 A63B69/34F K63B208/12 K63B225/09H K63B225/10 K63B225/68B K63B69/20C2 K63B71/06

US class: 434/248 472/118 473/447 473/479 482/148 482/83 482/86

Classification Explorer

Cited documents: US835796 A, US5531656 A, US4569401 A, US419285 A, US4084812 A, US3724845 A, US3252242 A, US3250533 A, US2977118 A, US2643466 A, US1744594 A, US1708638 A, US1582487 A, JP6178834 A2,

Forward Citations: WO15100106, WO11100644, WO11026043, WO09012532, WO07098256, USD702742, USD701931, USD571889, USD483429, US9719293, US9452337, US9452309, US9415261, US9272198, US9260910, US9061194, US9056235, US9050518, US9044659, US8961339, US8900074, US8876616, US8475301, US8033963, US7922628, US7866074, US7658699, US7608000, US7565990, US7559878, US7534198, US7488276, US7458919, US7303515, US7258633, US7247105, US7238127, US7223186, US7137910, US7086997, US7056237, US7014600, US7008353, US6976945, US6846253, US6736764, US6579197, US6530867, US2014296037, US2014274610, US2014054247, US2013184103, US2012316002, US2012295769, US2012157271, US2012004082, US2010216609, US2010190612, US2010076335, US2008128463, US2008125252, US2008119335, US2008076641, US2008058178, US2007259764, US2007142186, US2007060405, US2007049425, US2006270529, US2006216686, US2006154751, US2006148596, US2006035732, US2005282691, US2005272569, US2005257417, US2005164847, US2005090336, US2005085320, US2005037874, US2004214692, US2004176192, US2004157685, US2004090011, US2004038189, US2004029685, US2003158020, US2003145498, GB2536890, FR2883192, CN103561825, AU2012241366,

Abstract:
Source: US6348028B A training apparatus has a primary frame structure including a pair of base members, first and second vertical post assemblies each including a lower vertical post member attachable to a respective base member and an upper vertical post member telescopically received within the lower vertical post members and selectively positionable relative thereto to adjust a height of a top end of the upper vertical post member, and a horizontal cross beam assembly including a pair of elongate cross beam members. The top ends of the upper vertical post members are provided with receptacles for receipt of outboard ends of the cross beam members so that the horizontal cross beam assembly spans between the spaced apart vertical post assemblies at a selected, adjusted height above the floor. The frame structure is fully collapsible and can be reconfigured to accommodate a wide variety of accessory components which removably attach to the frame structure to facilitate workouts and training in a vast array of sports and activities. The frame structure collapses and assembles on a dolly to form a cart for transporting the apparatus, including the frame structure and accessory components.

0) US2002072425A – ROLLER BOWLER 2000

97) Family number: 23355144 (US2002072425A) © PatBase

Title: ROLLER BOWLER 2000

Priority: US20000734288 20001211

Family:

Publication number	Publication date	Application number	Application date
US2002072425 AA	20020613	US20000734288	20001211
US6475096 BB	20021105	US20000734288	20001211

Probable Assignee: NICKOLAI JEANNE M

Assignee(s):(std)**:** NICKOLAI JEANNE M

Inventor(s):(std)**:** NICKOLAI JEANNE M

International class (IPC 8–9)**:** A63B69/00 (Advanced/Invention); A61G5/10 A63B71/00 A63D5/00 (Advanced/Non–invention); A63B69/00 (Core/Invention); A61G5/00 A63B71/00 A63D5/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63D5/00

CPC: A61G5/1054 A63B69/0046 A61G5/10 A63B2071/0018 A63D5/00

European class: A63B69/00L K61G5/10 K61G5/10H K63B71/00H2 K63D5/00

US class: 273/129Q 473/107 473/56

Classification Explorer

Cited documents: US6042482 A, US5358447 A, US5358446 A, US5314384 A, US5165690 A, US4368898 A, US4286784 A, US4097045 A, US4046376 A,

Forward Citations: WO05082476, US8277339, US2010331119, DE102007017337,

Abstract:
Source: US2002072425A An "S" shaped ramp that attaches to the lap area of a wheelchair and allows a person in the wheelchair to participate in the sport of bowling. An upper portion of the ramp releaseably attaches to the wheelchair and provides the bowler with a flat portion on which she can rest a bowling ball, before pushing the ball down the ramp for continued travel down a bowling alley. The flat upper portion of the ramp may be equipped with a "stop" or "rest" area that stops or holds the bowling ball. The stop area can be an indentation or a small "speed bump" that extends across the width of the upper portion. The ball can be placed in many different locations on the upper portion and stop area, thereby allowing the bowler to choose one from among many rolling paths for their bowling ball. The selection of rolling paths is limited by the width of the ramp, which may be two to three feet for example, and the direction in which the wheelchair faces. The lower portion slides freely on the alley floor and provides a smooth transition from the ramp to the alley. The ramp may be equipped with small curbs that run the length of both outside edges and the back edge closest to the bowler.

0) US6419321B – ADJUSTABLE HEAD SUPPORT FOR CONNECTION TO A WHE...

98) Family number: 23482077 (US6419321B) © PatBase

Title: ADJUSTABLE HEAD SUPPORT FOR CONNECTION TO A WHEELCHAIR

Priority: US19990122396P 19990302 US20000517284 20000302

Family:

Publication number	Publication date	Application number	Application date
TW553741 B	20030921	TW20020110421	20020517
US6419321 BA	20020716	US20000517284	20000302

Probable Assignee: WONDERLAND NURSERY GOODS CO LTD

Assignee(s):(std)**:** WONDERLAND NURSERY GOODS ; WONDERLAND NURSERY GOODS CO LT ; WONDERLAND NURSERYGOODS CO LTD

Assignee(s): LORETECH LTD ; WONDERLAND NURSERY GOODS CO LTD ; WONDERLAND NURSERYGOODS CO ; WONDERLAND NURSERY GOODS CO

Inventor(s):(std)**:** SACK JAMES A

International class (IPC 8–9): A47C7/36 A61G5/10 A61G5/12 (Advanced/Invention); A47C7/36 A61G5/00 (Core/Invention)

International class (IPC 1–7): A47C7/36 A61G5/10

CPC: A61G5/12 A61G5/121

European class: A61G5/12 K61G5/12A

US class: 297/405

Classification Explorer

Cited documents: US974188 A, US5967613 A, US5803642 A, US5605409 A, US546631 A, US5393161 A, US5332287 A, US5308028 A, US5110150 A, US5090073 A, US4989836 A, US4732423 A, US461928 A, US4617919 A, US438238 A, US4273116 A, US398893 A, US3761126 A, US3730589 A, US3675646 A, US3497259 A, US3376064 A, US333019 A, US3188079 A, US313781 A, US3098128 A, US2652221 A, US2630342 A, US259957 A, US2549573 A, US1885507 A, US1821560 A, US169383 A, US1274214 A, GB2886, GB189402886 A,

Forward Citations: WO13133788, US9669933, US9575503, US8911019, US7992939, US6761338, US2015068345, US2013228030, US2011221253, US2011095590, US2007284928, NL2011284, GB2459144, GB2459144, EP2822796, CN104159771, CN104159771,

Abstract:
Source: US6419321B A head array for a wheelchair includes a temple support, an occipital support, a sub–occipital support, and a support structure for adjustably mounting the temple support, the occipital support and the sub–occipital support. Also shown is a support structure for a wheelchair head array including a horizontal channel adapted to receive a first component of a wheelchair head array and a vertical channel adapted to receive a second component of a wheelchair head array, the vertical channel being attached to the horizontal component.

0) US2002109667A – ERGONOMIC HUMAN–COMPUTER INPUT DEVICE

99) Family number: 28237970 (US2002109667A) © PatBase

Title: ERGONOMIC HUMAN–COMPUTER INPUT DEVICE

Priority: US20000248472P 20001114 US20010993260 20011114 US20030609168 20030627 US20050283603 20051118 US20040872022 20040618 US20060426861 20060627 US20060426869 20060627 US20060426874 20060627 US20060426856 20060627 WO2005US21686 20050620

Family:

Publication number	Publication date	Application number	Application date
EP1766602 A2	20070328	EP20050762624	20050620
EP1766602 A4	20120606	EP20050762624	20050620
JP2008503805 T2	20080207	JP20070516813T	20050620
JP5102020 B2	20121219	JP20070516813T	20050620
US2002109667 AA	20020815	US20010993260	20011114
US2004008186 AA	20040115	US20030609168	20030627
US2004227728 AA	20041118	US20040872022	20040618
US2006125785 AA	20060615	US20050283603	20051118
US2006291937 AA	20061228	US20060426861	20060627
US2006291938 AA	20061228	US20060426869	20060627
US2006291939 AA	20061228	US20060426874	20060627
US2007020013 AA	20070125	US20060426856	20060627
US6756968 BB	20040629	US20010993260	20011114
US7151525 BB	20061219	US20030609168	20030627
US7262762 BB	20070828	US20040872022	20040618
US8487872 BB	20130716	US20050283603	20051118
US8614667 BB	20131224	US20060426861	20060627
WO06009965 A2	20060126	WO2005US21686	20050620
WO06009965 A3	20060928	WO2005US21686	20050620

Probable Assignee: BLUE ORB INC

Assignee(s):(std)**:** BLUE ORB INC ; KEYBOWL INC ; MCALINDON PETER J

Inventor(s):(std)**:** MCALINDON PETER J

Inventor(s): MCALINDON PETER

Agent(s): BEUSSE WOLTER SANKS MORA AND MAIRE P A; BEUSSE WOLTER SANKS MORA AND MAIRE PA; JAMES H; TERRY M

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B41J5/00 G05G9/047 G06F3/02 G06F3/023 G06F3/033 G09G5/00 G09G5/08 (Advanced/Invention); G06F1/16 G06F17/00 (Advanced/Non–invention); B41J5/00 G06F3/02 G06F3/023 G09G5/00 (Core/Invention)

International class (IPC 1–7): G09G5/00

CPC: G06F3/0202 G06F3/0219 G06F3/0234 G05G2009/04714 Y10T74/20201 G06F3/0213 G06F3/0354 A63F13/24 A63F13/214 A63F13/06 A63F2300/1068 A63F2300/204 G06F3/0235 G06F3/0338

European class: A63F13/06 G06F3/023A5 G06F3/023M2 G06F3/023M4 G06F3/02A G06F3/02A3P G06F3/02A5 G06F3/0338 G06F3/0354 K63F300/10T K63F300/20H S05G9/047A4

US class: 345/156 345/156P 345/157 345/161 345/168 345/168P 345/169 345/184 361/679.08 361/679.09 361/679.1 361/679.18 400/489 400/489P 463/36 463/37 463/38 74/471 74/471XY

Classification Explorer

Cited documents: US7151525 BB, US7075516 BB, US6897849 BB, US6897849 BA, US6828518 BB, US6756968 BB, US6756968 BA, US6697044 BB, US6686906 BB, US6686906 BA, US6642920 BB, US6611255 BB, US6611255 BA, US6603459 BB, US6593913 BA, US6587072 BA, US6567072 BB, US6567072 BA, US6552282 BB, US6552282 BA, US6520699 BB, US6520699 BA, US6512511 BB, US6389801 BA, US6369801 BB, US6369801 BA, US6359243 BA, US6348878 BA, US6323846 BA, US6323842 BA, US6297806 BA, US6292857 BA, US6288709 BA, US6282355 BA, US6262355 BA, US6256029 BA, US6246019 BA, US6198472 BA, US6037942 A, US6033309 A, US5984548 A, US5964548 A, US5951399 A, US5900829 A, US5889507 A, US5836705 A, US5815139 A, US5804781 A, US5751274 A, US5666138 A, US5665000 A, US5638062 A, US5636062 A, US5621196 A, US5619021 A, US5598527 A, US5565891 A, US5543818 A, US5498843 A, US5473325 A, US5430262 A, US5408621 A, US5406621 A, US5396222 A, US5394168 A, US5383735 A, US5294121 A, US5252952 A, US5231380 A, US5207426 A, US5186316 A, US5137384 A, US5087910 A, US5067834 A, US5059958 A, US5059058 A, US5012230 A, US4992631 A, US4849732 A, US4644326 A, US4639668 A, US4344069 A, US4246452 A, US2005275625 AA, US2005083297 AA, US2004222966 AA, US2004008186 AA, US2003103791 AA, US2003058219 AA, US2003020694 AA, US2002149566 AA, US2002109667 AA, US2002080115 AA, JP2004110199 A2, JP2003263264 A2, JP10180666 A2,

Forward Citations: WO16018789, WO10008835, WO06045059, USD575761, US9522091, US9507432, US9456942, US9164591, US9098118, US9084705, US8994666, US8977431, US8976045, US8970496, US8907190, US8902165, US8793032, US8777115, US8775001, US8698748, US8646551, US8614667, US8576170, US8555207, US8538599, US8514251, US8487872, US8437899, US8336424, US8285440, US8237593, US8145373, US8127875, US8098230, US8073588, US8073585, US8072428, US8065051, US7973762, US7903088, US7804484, US7570251, US7532200, US7403844, US7241960, US7188772, US7165715, US7151525, US7116311, US6772980, US6756968, US2016257245, US2015153774, US2014168924, US2014061466, US2013218380, US2013092011, US2012188160, US2012176315, US2011210918, US2011157056, US2011063241, US2011012831, US2011006995, US2011001718, US2010295787, US2010145220, US2010026625, US2009315740, US2009262090, US2009259790, US2009228841, US2009217211, US2009195418, US2009189853, US2009189789, US2009064809, US2009048020, US2008291168, US2008255704, US2008249694, US2008217075, US2008165164, US2008117179, US2007242036, US2007205983, US2007067072, US2007056782, US2007056781, US2007056780, US2007055424, US2007050111, US2007045096, US2007020013, US2006291946, US2006291939, US2006291938, US2006291937, US2006271886, US2006250371, US2006202865, US2006082548, US2006060459, US2005284924, US2005284923, US2005248533, US2005107111, US2004222964, US2004015021, US2004008186, US2002109667, TWI505140, TWI470484, JP5413450, EP1766602, AU2005241461,

Abstract:
Source: US2002109667A An ergonomically developed, dome−shaped, alphanumeric interface apparatus for use with an electronic system, such as a computer or electric typewriter is described. The apparatus is configured in accordance with ergonomic principles and uses chording of both hands to type the characters of any user−defined alphabet. The device includes a set of domes that are shaped and contoured to conform to the shape of hands in a relaxed state and to distribute pressures across the splayed underside of the user's hand. Each dome is capable of movement in a plurality of discrete lateral sectors. The domes used together, utilizing a chording principle, can generate up to 144 characters depending on how many discrete movements are defined by the user. In a nonchording mode of operation, each dome is capable of producing up to 12 characters independently of the other dome. The two−handed implementation disclosed utilizes input movements that enable keystroke actuation via only slight arm or hand movement, no finger movement being required. In addition, cursor control is possible via either dome.

0) US2006119078A – WHEELCHAIR WITH FORCED DRIVEN FRONT CATERPILLAR...

100) Family number: 28957721 (US2006119078A) © PatBase

Title: WHEELCHAIR WITH FORCED DRIVEN FRONT CATERPILLAR WHEELS

Priority: KR20020041053 20020713 KR20030045909 20030707 WO2003KR01358 20030709

Family:

Publication number	Publication date	Application number	Application date
AU2003246163 AA	20040202	AU20030246163	20030709
KR100508472 B1	20050817	KR20030045909	20030707
KR20020067456 A	20020822	KR20020041053	20020713
KR20040026114 A	20040327	KR20030045909	20030707
US2006119078 AA	20060608	US20040517232	20041207
US7311160 BB	20071225	US20040517232	20041207
WO04006823 A1	20040122	WO2003KR01358	20030709

Probable Assignee: LIM NAG BOK

Assignee(s):(std)**:** LIM NAG BOK

Inventor(s):(std)**:** LIM NAG BOK

Inventor(s): NAG BOK LIM

Agent(s): LADAS AND PARRY

Designated states: AT AU BE BG BR CA CH CN CY CZ DE DK EE ES FI FR GB GR HU ID IE IL IN IT JP LU MC MX NL NO NZ PH PT RO RU SE SG SI SK TR US VN ZA

International class (IPC 8–9): A61G5/02 A61G5/04 A61G5/06 A61G5/08 B62B1/00 B62D55/04 (Advanced/Invention); A61G5/06 A61G5/08 A61G5/10 (Advanced/Non–invention)

International class (IPC 1–7): A61G5/06

CPC: Y10S180/907 A61G5/066 A61G5/02 A61G5/046 A61G5/06 A61G5/08 A61G2203/14 A61G5/1027 A61G5/0825 A61G5/1054 A61G5/1086

European class: A61G5/02 A61G5/04A8 A61G5/06 A61G5/06C A61G5/08 K61G203/14 K61G5/08A2X K61G5/10H K61G5/10Z4

US class: 180/9.26 180/907 180/92.6 280/250.1 280/5.22 280/52.2 280/647 280/647P

Classification Explorer

Cited documents: US6805209 BB, US6769503 BB, US6604590 BB, US6408961 BA, US6325167 BA, US5651422 A, US5641030 A, US5423563 A, US5335741 A, US5186269 A, US5158309 A, US4960180 A, US4898256 A, US4044850 A, KR200266158 Y1, KR200266158, KR2002332361 B1, KR200232858 Y1, KR200232858, KR2002266158, KR20020266158 A, KR2001232858, KR20010232858 A, KR102332361 B1, KR100332361 B1,

Forward Citations: WO16169082, WO14154580, US9629763, US9615982, US8960712, US8910951, US8622159, US8251391, US7828311, US7651103, US2017027785, US2015351980, US2015250667, US2014077581, US2012068423, US2008309048, KR101742904, KR101242460, KR101178503, GB2463088, CN104027207,

Abstract:
Source: US2006119078A The present invention relates to a wheelchair with forced driven front caterpillar wheels with a cable–hauling ratchet lever by which a user, by himself/herself, can pass over a road–block or drains on roads, lifts up the caterpillars from the ground for easy steering on caster wheel, engages/disengages the drive wheel having ratchet clutch in the detachable wheel hub to idle the drive wheel/caterpillars for converting from/to manual drive to/from drive by auxiliary power source, and prevents the drive wheel from rolling backward during climbing inclines and controls speed continuously on a slope by a band brake means. So the disabled persons on their legs can travel to outdoors by himself/herself without a care of neighbors.

0) US6443877B – COMPACT, MULTI–CHOICE EXERCISE APPARATUS

101) Family number: 23695138 (US6443877B) © PatBase

Title: COMPACT, MULTI–CHOICE EXERCISE APPARATUS

Priority: US19990119751P 19990211 US20000501886 20000210

Family:

Publication number	Publication date	Application number	Application date
US6443877 BA	20020903	US20000501886	20000210

Probable Assignee: THERABILITY INC

Assignee(s):(std)**:** BOHM FRED ; HOECHT DIETRICH

Assignee(s): THER ILITY INC AB ; THERABILITY INC

Inventor(s):(std)**:** BOHM FRED ; HOECHT DIETRICH

International class (IPC 8–9): A63B21/062 A63B23/035 (Advanced/Invention); A63B21/06 A63B23/035 (Core/Invention)

International class (IPC 1–7): A63B21/062

CPC: A63B23/035 A63B21/0628 A63B2208/12

European class: A63B21/062 A63B23/035 K63B208/12

US class: 482/103 482/138

Classification Explorer

Cited documents: US776824 A, US6238323 BA, US6217493 BA, US5951449 A, US5842961 A, US5800321 A, US5230680 A, US5102122 A, US5044629 A, US4898381 A, US4721303 A, US4657246 A, US4624457 A, US4603855 A, US372272 A, US3373993 A, US2002013200 AA, US2001023221 AA, US1052962 A, SU1780777 T, SU1743620 T, SU1586724 T, FR1003973 A, EP0177643 A1, CA524962 A,

Forward Citations: WO13102686, WO08082818, WO08047130, WO06056045, WO04071590, USD772266, USD771671, USD771103, USD766956, USD761297, USD760285, USD708274, USD599418, USD586410, USD566798, USD550789, USD533910, USD512471, USD512113, USD511189, USD502515, US9669261, US9604089, US9457220, US9387384, US9302136, US9211434, US9089737, US8992392, US8926480, US8852062, US8814761, US8708872, US8613692, US8608626, US8550964, US8506459, US8485947, US8308620, US8251877, US8070658, US8057368, US8057367, US8002677, US7985167, US7955238, US7927262, US7922635, US7922632, US7922629, US7909742, US7901340, US7892155, US7815552, US7775945, US7727129, US7722509, US7717824, US7625321, US7608031, US7608028, US7608024, US7608022, US7601105, US7575538, US7517304, US7503882, US7488277, US7223213, US7179209, US7169093, US7115080, US7108641, US7083554, US7070545, US6685601, US6558300, US6547704, US2017001062, US2016166872, US2015182780, US2015038300, US2011237408, US2011183817, US2011183816, US2011039665, US2011028281, US2010144497, US2010016129, US2009227434, US2009181833, US2009170675, US2009170669, US2009170668, US2009143203, US2009124461, US2009036277, US2008300116, US2008261782, US2008227607, US2008161162, US2008051263, US2007184944, US2007173384, US2007167299, US2007161475, US2007117691, US2006247107, US2006211548, US2006189462, US2006128535, US2006116253, US2006116249, US2006100069, US2005272573, US2005181915, US2005070407, US2003176261, US2003100413, US2003032530, US2003017918, ES2319012, EP2832401,

Abstract:
Source: US6443877B Provided is a weighted cable resistance apparatus, primarily for rehabilitation and therapy, and equally effective for recreational exercising. A frame with a perpendicularly attached seat form a rigid structure. The structure is supported on leveling screws or lockable casters for transport to bed–confined patients. Dead weights within the frame and the rigid seat structure stabilize the apparatus against overturning during use of the apparatus. At each end of the frame is attached a horizontally pivotable assembly, called a "module'. Each module contains weights which are, in turn, connected to a cable and to pulleys controlling the cable path. Vertically pivotable arms are mounted on the front of the is modules. The cables are guided to the end of the arms and past the exit pulleys, whereupon exercise tools can be connected. The twin module design provides simultaneous exercising with any two limbs. Horizontally and vertically selectable exercise tool positioning, and the freely rotating exit pulleys, offer unrestricted range of motion in a nearly hemispherical space. Additional

features may be attached to the seat, such as a security stabilizer frame for unsteady users, and a disconnectable seat extension for exercising in a prone or supine position.

0) GB2372696A – A WHEELCHAIR WITH RECLINING AND DETACHABLE SEAT...

102) Family number: 15876592 (GB2372696A) © PatBase

Title: A wheelchair with reclining and detachable seat elements

Priority: GB20000023901 20000929 GB20010016506 20010706

Family:

Publication number	Publication date	Application number	Application date
GB200023901 A0	20001115	GB20000023901	20000929
GB200116506 A0	20010829	GB20010016506	20010706
GB200123362 A0	20011121	GB20010023362	20010928
GB2372696 A1	20020904	GB20010023362	20010928

Probable Assignee: JCM SEATING SOLUTIONS LTD

Assignee(s):(std)**:** JCM SEATING SOLUTIONS LTD

Assignee(s): JCM SEATING SOLUTIONS LIMITED

Inventor(s):(std)**:** HARRIS IAN ; UNDERWOOD MARK

Inventor(s): IAN HARRIS ; MARK UNDERWOOD

International class(IPC 8–9)**:** A61G5/00 A61G5/10 (Advanced/Invention); B62B7/04 (Advanced/Non–invention)

International class(IPC 1–7)**:** A61G5/02 A61G5/10

CPC: A61G5/00 A61G5/1043 A61G5/1075 A61G2210/10 B62B7/044

European class: A61G5/00 A61G5/10E K61G210/10 K61G5/10S14 L62B7/04D

Classification Explorer

Cited documents: WO8501864, US5551756, US4598921, US3865427, JP8308880, GB1485575, EP0136763,

Abstract:
Source: GB2372696A A wheelchair with a supportive seat 10 comprising a support structure 12, one or more seat elements (fig 1a, 14) mounted onto the structure which has means 16 for removably mounting the seat onto a seat receiving member 18. Preferably, the seat can be tilted between an upright position and an inclined position and the seat members are on pivotally connected support members 22, 24 allowing the seat elements to be individually movable relative to one another. Also, the wheelchair may be provided with wheel engaging brake means (fig 7, 702) operated by a switch means (fig 7, 712), a height adjustable handle 34 which may also be used to tilt the seat, a hydraulic (fig 1b) stand which allows the wheelchair to be raised, rotated and lowered, front swivel wheels (fig 6, 602), a pelvic girdle support (fig 5a, 530), and a movable thoracic support means (fig 5b, 526).

0) US2003145401A – FLEXIBLE OVER THE WING PASSENGER LOADING BRIDGE...

103) Family number: 30120139 (US2003145401A) © PatBase

Title: Flexible over the wing passenger loading bridge

Priority:

CA20032416223 20030114	CA20032500211 20030114	CA20032500214 20030114
CA20052416223 20050420	GB20050018953 20030218	WO2003CA00221 20030218
US20030354003 20030130	US20020076399 20020219	US20020352850P 20020201
US20030354004 20030130	US20030354002 20030130	US20040758225 20040116

Family:

Publication number	Publication date	Application number	Application date
AU2003303930 AA	20040909	AU20030303930	20030218
CA2416223 AA	20030801	CA20032416223	20030114
CA2416223 C	20060411	CA20032416223	20030114
CA2500211 AA	20030801	CA20032500211	20030114
CA2500211 C	20060411	CA20032500211	20030114
CA2500214 AA	20030801	CA20032500214	20030114
CA2500214 C	20060411	CA20032500214	20030114
DE10394150 T5	20060223	DE20031094150T	20030218
GB200518953 A0	20051026	GB20050018953	20030218
GB200608051 A0	20060531	GB20060008051	20030218
GB2414458 A1	20051130	GB20050018953	20030218
GB2414458 B2	20060628	GB20050018953	20030218
GB2422586 A1	20060802	GB20060008051	20030218
GB2422586 B2	20061101	GB20060008051	20030218
US2003145401 AA	20030807	US20030354003	20030130
US2003145402 AA	20030807	US20030354004	20030130
US2004148716 AA	20040805	US20040758225	20040116
US6526615 BA	20030304	US20020076399	20020219
US6789286 BA	20040914	US20030354002	20030130
US6820296 BB	20041123	US20030354004	20030130
US6931687 BB	20050823	US20030354003	20030130
US7039978 BB	20060509	US20040758225	20040116
WO04074098 A1	20040902	WO2003CA00221	20030218

Probable Assignee: DEW ENGINEERING AND DEVELOPMENT ULC

Assignee(s):(std): DEW ENGINEERING AND DEVELOPMENT ; HUTTON NEIL ; NOWAK CHRISTOPHER

Assignee(s): DEW ENGINEERING AND DEVELOPMENT ULC ; NOWAK CHRISTOPHER365 AVONDALE AVENUEOTTAWAO1K2A 0R7CA ; HUTTON NEIL952 MOUNTAINVIEW AVE.OTTAWAO1K2B 5G4CA ; DEW ENGINEERING AND DEVELOPMENT ULCSUITE 2600, THREE BENTALL CENTREPO BOX 49314595 BURRARD STREETVANCOUVERB1V7X 1L3CA ; DEW ENGINEERING AND DEVELOPMENT LIMITED ; DEW ENGINEERING AND DEVELOPMENT LTD ; DEW ENGINEERING AND DEVELOPMENT LTD OTTAWA ; DEW ENGINEERING AND DEVELOPMENT LTD3429 HAWTHORNE ROADOTTAWAO1K1G 4G2CA ; 0827027 BC UNLIMITED LIABILITY CO ; 0827027 BC UNLIMITED LIABILITY COSUITE 2600, THREE BENTALL CENTREP.O. BOX 49314595 BURRARD STREETVANCOUVERB1V7X 1L3CA ; CHRISTOPHER NOWAK

Inventor(s):(std): NEIL HUTTON ; NOWAK CHRISTOPHER ; CHRISTOPHER NOWAK ; HUTTON NEIL

Inventor(s): HUTTON NEIL952 MOUNTAINVIEW AVE.OTTAWAO1K2B 5G4CA ; NOWAK CHRISTOPHER365 AVONDALE AVENUEOTTAWAO1K2A 0R7CA

Agent(s): FREEDMAN AND ASSOCIATES; SHAPIRO COHEN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK

ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B64F1/305 (Advanced/Invention); B64F1/00 (Core/Invention)

International class (IPC 1–7): B64F1/305 E01D1/00

CPC: B64F1/3055 B64F1/305

European class: B64F1/305A

US class: 14/71.5 14/71.500P 14/71.7

Classification Explorer

Cited documents: WOPC00221, WOCA00221, WOCA00221, WO9942365 A1, WO9847764 A2, WO9300095, WO04074098 A1, WO0055040 A1, WO0009395 A1, USD327951 S1, US6563432 BA, US6552327 BB, US6552327 BA, US6552327 B1, US6545601 BA, US6496996 BA, US6330726 BA, US6324489 BA, US6212724 BA, US6100964 A, US5761757 A, US5675661 A, US5424746 A, US5267368 A, US5226204 A, US5084936 A, US5004188 A, US4852197 A, US4715077 A, US4712339 A, US4473916 A, US4161049 A, US4112958 A, US3883918 A, US3839760 A, US3808626 A, US3729262 A, US3722017 A, US3538529 A, US3524207 A, US327951 A, US3184772 A, US2003057360 AA, GB2246992 A1, GB2008510 A1, EP0258044 A2, DE2360815 A1, DE19981534 C1, DE19981534, DE10046010 A1, CA2360815 AA, CA2207499 AA,

Forward Citations: WO15009551, WO05075743, WO05028307, US9725162, US9487307, US9340303, US9159180, US8777027, US8677540, US8505140, US8484786, US8266750, US8091166, US7603736, US7596825, US7226265, US7093314, US7039978, US6954959, US6931687, US6929217, US6863243, US6862768, US6684443, US6637063, US2015353207, US2015151834, US2013154460, US2012204364, US2012204361, US2011189786, US2009205147, US2009119854, US2007252037, US2007219710, US2007214585, US2007210952, US2007084001, US2007051852, US2006277700, US2006032005, US2005258122, US2005226705, US2004187234, US2004172777, US2004118975, JP5538962, JP2012086843, JP2011189832, GB2531231, ES2310150, CN103303490,

Abstract:
Source: US2003145401A Disclosed is a novel apparatus for moving passengers between an airport terminal building and a doorway of an aircraft located rearward of a wing of the aircraft. The inventive apparatus includes a passageway member pivotally anchored to one of the terminal building and a passenger loading bridge for servicing a front doorway of a same aircraft. The apparatus includes a telescopic passageway member that is pivotally mounted to the passageway member via a flexible connection. In use, the apparatus is cantilevered over the wing of an aircraft with the flexible connection substantially above a highest point along an upper surface of the aircraft wing. The flexible connection allows a cabin carried at an outboard end of the telescopic passageway member to mate to the rear doorway of the aircraft, providing an open passageway between the rear doorway and the terminal building through which passengers deplane. Positioning the flexible connection above the high point of the wing approximately minimizes the inclination of each passageway member floor surface.

0) GB2379639A – TRAILER WITH ANTI–SHIMMY CASTOR WHEEL

104) Family number: 15708813 (GB2379639A) © PatBase

Title: Trailer with anti–shimmy castor wheel

Priority: GB20010022168 20010914

Family:

Publication number	Publication date	Application number	Application date
GB200122168 A0	20011031	GB20010022168	20010914
GB200219531 A0	20021002	GB20020019531	20020821
GB2379639 A1	20030319	GB20020019531	20020821
GB2379639 B2	20041006	GB20020019531	20020821

Probable Assignee: WALKER DAVID L

Assignee(s):(std)**:** WALKER DAVID L ; WALKER DAVID LESLIE

Assignee(s): DAVID LESLIE WALKER

Inventor(s):(std)**:** WALKER DAVID LESLIE

Inventor(s): DAVID LESLIE WALKER

International class (IPC 8–9)**:** A61G3/02 B60B33/00 B62D63/06 (Advanced/Invention)

International class (IPC 1–7)**:** A61G3/02 B60P3/06 B62D13/04 B62D63/06

CPC: A61G3/0209 B60B3/001 B60B33/0007 B60B33/0015 B60G2200/10 B60G2202/1424 B60G2300/04 B62D63/064

European class: A61G3/02A B60B3/00B B60B33/00B2A B60B33/00B4 B62D63/06C2 L60G200/100 L60G202/1424 L60G300/04

Classification Explorer

Cited documents: US4372569 A, US4078821 A, US2105246 A, JP60183272 A2, GB713638 A, GB2334487 A1,

Forward Citations: WO12072224,

Abstract:
Source: GB2379639A A load–carrying platform or trailer apparatus having a hitch mechanism 14 with laterally spaced hinge connections and having at least one castor wheel 34 for supporting the rear end of the platform. So that any tendency of the or each castor wheel 34 to shimmy will be damped, friction means (60 fig 2) are provided to act against a disc element (48) fixed to a pivot post (50) around which the or each wheel can castor.

0) US6550491B – PORTABLE STRUCTURE

105) Family number: 28488815 (US6550491B) © PatBase

Title: PORTABLE STRUCTURE

Priority: US19990461695 19991214

Family:

Publication number	Publication date	Application number	Application date
US6550491 BA	20030422	US19990461695	19991214

Probable Assignee: WORLD PATENT DEVELOPMENT CORP

Assignee(s):(std)**:** WORLD PATENT DEV CORP

Assignee(s): WORLD PATENT DEVELOPMENT CORP

Inventor(s):(std)**:** BIXLER DICKIE R ; LAHMAN LARRY D

International class (IPC 8–9)**:** A63B71/02 E04H15/52 (Advanced/Invention); A63B69/00 (Advanced/Non–invention); A63B71/02 E04H15/34 (Core/Invention); A63B69/00 (Core/Non–invention)

International class (IPC 1–7)**:** A63B69/00 E04H15/48 E04H15/50 E04H15/52

CPC: Y10S135/912 E04H15/52 A63B71/022 A63B2069/0008 A63B2071/025 A63B2210/50 A63B2102/22 A63B2102/32

European class: A63B71/02P E04H15/52 K63B210/50 K63B243/00G K63B243/00K K63B69/00B1B K63B71/02S1R

US class: 135/121 135/144 135/145 135/157 135/912 473/421 52/143 52/64 52/646 52/79.5 52/795

Classification Explorer

Cited documents: USRE30044 E, USRE26215 E, US907032 A, US684130 A, US6125483 A, US5839462 A, US5655766 A, US5634638 A, US5421356 A, US5370385 A, US5331777 A, US5263507 A, US5243803 A, US5056782 A, US5050353 A, US4912887 A, US4890834 A, US4844109 A, US4815736 A, US4649947 A, US3807421 A, US3644952 A, US3541626 A, US3354596 A, US3256896 A, US3131705 A, US3064667 A, US2923547 A, US2486170 A, US2393415 A, US1591753 A, US1410830 A, JP404052386, JP40405238 A2, FR355137 A,

Forward Citations: WO07063570, WO07063570, US9441358, US9416528, US9295899, US9126093, US9096978, US9051725, US8763315, US8747259, US8496545, US8172703, US7980029, US7905685, US7896583, US7891913, US7883297, US7794338, US7673643, US7520290, US7475514, US7455164, US7413521, US7380563, US7374225, US7357238, US7357140, US7137399, US6939255, US2016138258, US2015375074, US2015117948, US2014311053, US2014311052, US2013316854, US2013014793, US2012261407, US2010269418, US2010072101, US2010032333, US2010008726, US2009062040, US2009014044, US2008305894, US2008257394, US2008236765, US2008171618, US2008163563, US2008156683, US2007145195, US2007123369, US2007084491, US2007068094, US2007063530, US2006248809, US2006157100, US2006005487, US2005262779, US2005217713, US2005020389, US2004173252, US2004144414, GB2441744,

Abstract:
Source: US6550491B The present invention is a portable structure used for exhibition or sports (batting cage) applications including an expansion section with a plurality of expansion segments, each of which is self–contained. Each expansion segment is bounded by an upright member onto which an articulating arm is attached adjacent the tope and bottom. Each articulating arm bends at an elbow and folds flat against the upright members when each expansion segment is extended, the articulating arms straighten at the elbow and pivot in a scissor–type motion with respect to the upright members until the articulating arms are fully extended substantially straight. The expansion segments roll on rollers removably affixed to the upright members. The portable structure includes three positions, a transport position wherein large wheels or skids are suppled for easy manipulation of the device, an expansion segment wherein the expansion segments are extended or collapsed using smaller wheels. Once fully extended, the smaller wheels are likewise removed in a structural position wherein the structure is resting on and supported from the ground. A storage container may be added to store the netting or fabric used to enclose the extended expansion section to form an enclosed structure. A foldable platform may be installed in the extension segment.

0) DE20320982U1 – ECCENTRIC AND/OR ROCKING DEVICE FOR TRANSFORMAT...

106) Family number: 29031172 (DE20320982U1) © PatBase

Title: ECCENTRIC AND/OR ROCKING DEVICE FOR TRANSFORMATION OF LINEAR INTO ROTARY MOVEMENTS, FOR SHIPS, MOTOR VEHICLES, AIRCRAFT, ETC. TO UTILISE GRAVITY TO REPLACE ENERGY ALREADY CONSUMED

Priority: DE20022019808U 20021223 DE20031061892 20031220 DE20032020982U 20031220

Family:

Publication number	Publication date	Application number	Application date
DE10361892 A1	20040902	DE20031061892	20031220
DE20219808 U1	20030626	DE20022019808U	20021223
DE20320982 U1	20050728	DE20032020982U	20031220

Probable Assignee: DJELIC MOESCHLIN CARMEN

Assignee(s):(std)**:** DJELIC DUSAN ; DJELIC MOESCHLIN CARMEN

Inventor(s):(std)**:** DJELIC DUSAN

International class (IPC 8–9)**:** F03G3/02 F03G5/00 (Advanced/Invention); F03G3/00 F03G5/00 (Core/Invention)

International class (IPC 1–7)**:** F03G3/00 F16H21/12

CPC: F03G5/06

European class: F03G3/02 F03G5/00

Classification Explorer

Cited documents: US4201396 A, US3086795 A, US1733952 A, DE2802311 A1,

Forward Citations: WO12114202, WO12114202, WO08046344,

Abstract:
Source: DE20320982U1 The device is for transformation of movements and their transmission to drive wheels, in combination with the gravity of a body within the system. A hollow or drive wheel (3) has a point of application (5) and spacer parts, and a driven eccentric (4) on the drive axle (1,2), which is with/without return motion block. A gravity component engages on the point of application via a regulator (8) to intensify an additional torque, which may be transmitted to the wheel. A gravity component (G) from the working load engages on the point of application via the regulator, to intensify a thrust and/or traction drive force. This acts in steering and/or travelling direction to move the vehicle (7).

0) US2003203792A – WHEELCHAIR EXERCISE APPARATUS

107) Family number: 29420435 (US2003203792A) © PatBase

Title: WHEELCHAIR EXERCISE APPARATUS

Priority: US20020132892 20020424

Family:

Publication number	Publication date	Application number	Application date
US2003203792 AA	20031030	US20020132892	20020424
US6645127 BA	20031111	US20020132892	20020424

Probable Assignee: PESTES LARRY L

Assignee(s): PESTES LARRY L

Inventor(s):(std)**:** PESTES LARRY L

International class (IPC 8–9): A63B21/22 A63B71/00 (Advanced/Invention); A63B23/12 A63B69/16 (Advanced/Non–invention); A63B21/00 A63B71/00 (Core/Invention); A63B23/035 A63B69/16 (Core/Non–invention)

International class (IPC 1–7): A63B22/06 A63B69/16

CPC: Y10S482/904 A63B21/225 A63B23/1281 A63B71/0009 A63B2069/168 A63B2071/0018

European class: A63B21/22F A63B71/00H K63B23/12K K63B69/16A12 K63B71/00H2

US class: 482/51 482/60 482/904

Classification Explorer

Cited documents: US6113519 A, US5277685 A,

Forward Citations: WO07087514, US8187156, US8007407, US7874962, US7655012, US7604572, US7354384, US2013303340, US2013303334, US2010164201, US2009258763, US2009088300, US2007173392, US2006276311, US2006276310, ITRM20130650,

Abstract:
Source: US2003203792A An exercise apparatus for a wheelchair has a raised platform with an upper surface which will support a wheelchair. Front and rear rollers mounted rotatably on the platform project slightly above the platform upper surface to support the driving wheels of the wheelchair. One of the rollers is connected to a flywheel which provides momentum to even out the movement of the rollers and the driving wheels between strokes of the person driving the wheelchair. One or more attachment arms hold the wheelchair immovably on the platform when the user is exercising. The arm is split into two arm sections which rotate relative to one another through a third joint. The outer end of one of the arm sections is pivotally attached to the platform through a first joint and the outer end of the other arm section, is pivotally attached to a clamp through a second joint. The clamp is configured to quickly and easily attach to the wheelchair frame. A clamp mechanism causes the first, second and third joints to be simultaneously locked immovably upon the activation of a single handle.

0) US2003213072A – PORTABLE RAMP AND LOAD SUPPORT ASSEMBLY

108) Family number: 30051771 (US2003213072A) © PatBase

Title: Portable ramp and load support assembly

Priority: US20020289953 20021106 US20020380785P 20020514 US20050536072 20051108 WO2002US36762 20021113

Family:

Publication number	Publication date	Application number	Application date
AU2002367974 AA	20031202	AU20020367974	20021113
AU2002367974 AH	20031202	AU20020367974	20021113
EP1521711 A2	20050413	EP20020791251	20021113
EP1521711 A4	20080213	EP20020791251	20021113
JP2006513888 T2	20060427	JP20040505230T	20021113
US2003213072 AA	20031120	US20020289953	20021106
US2006150346 AA	20060713	US20050536072	20051108
US6725487 BB	20040427	US20020289953	20021106
WO03097490 A2	20031127	WO2002US36762	20021113
WO03097490 A3	20040805	WO2002US36762	20021113

Probable Assignee: PETSTEP INT INC

Assignee(s):(std)**:** MYRICK KENNETH S ; MYRICK KENNETH SCOTT ; MYRICK MARKETING CORP ; MYRICK KENNETH W

Assignee(s): PETSTEP INT INC ; PETSTEP INT

Inventor(s):(std)**:** MYRICK KENNETH S ; MYRICK KENNETH SCOTT ; MYRICK KENNETH W

Inventor(s): KENNETH SCOTT MYRICK ; KENNETH W MYRICK

Agent(s): BUCHANAN INGERSOLL PC, (INCLUDING BURNS DOANE SWECKER AND MATHIS)

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

International class (IPC 8–9): B60P1/43 B60R3/00 B65G69/28 E01D1/00 (Advanced/Invention)

International class (IPC 1–7): A01K29/00 B65G B65G1/00 E01D1/00

CPC: B60P1/43 B65G69/30 B66F7/243

European class: B60P1/43 B65G69/30 B66F7/24B

US class: 119/847 119/849 14/69.5 14/69.500P

Classification Explorer

Cited documents: WO8906199 A1, USD401731 S1, US6725487 BB, US6447040 BA, US6430769 BA, US6379101 BA, US6378927 BA, US6267082 BA, US6250874 BA, US6185775 BA, US6119634 A, US6076215 A, US6009587 A, US5933898 A, US5829380 A, US5090335 A, US3352440 A, DE19806102 A1,

Forward Citations: WO15066451, WO08151305, WO07014565, USD756574, USD734570, USD633684, USD599062, US9441333, US9376175, US8899188, US8695141, US8684278, US8312846, US7930788, US7827641, US7735457, US7708294, US7607186, US7526826, US7493874, US7478449, US7299517, US7261354, US6887028, US6868799, US2016090699, US2012193439, US2010175608, US2009300860, US2009289309, US2008169153, US2008106058, US2008105215, US2007289073, US2007234491, US2007210598, US2006150346, US2006045703, US2004253568, US2003230227, KR100912948, GB2414463, GB2414463, FR2908092, FR2862922, EP1629814, CN104082173, CN102358241,

Abstract:
Source: US2003213072A A portable ramp and load support assembly including a pair of rigid, elongated, first and second ramp components hinged together at adjoining ends by a simple pivot pin. The apparatus is made of light−weight, injection molded plastic material, and is provided with a resilient, non−slip surface on its upper side. The ground−engaging end and vehicle−engaging end are also specially configured to prevent slippage and dislodgment during use. The assembly also includes a plurality of accessory parts that enable the ramp to have utility in numerous applications other than its use as a ramp. The assembly provides a sturdy, light−weight, long−lasting and easily cleanable ramp apparatus suitable for use by dog and other large animal owners with SUVs, pickups, RV's and station wagons. The assembly also includes disconnectable legs for allowing the ramp apparatus to be used as a grooming table, examination table, game−cleaning table, etc. Furthermore, floats, wheels, pull handles and other accessories can be attached to extend the utility of the apparatus.

109) Family number: 29610051 (EP1366934A1) © PatBase

Title: WHEEL SUSPENSION FOR A MOTORIZED VEHICLE FOR DISABLED PERSONS

Priority: NL20021020705 20020529

Family:

Publication number	Publication date	Application number	Application date
AT359926 E	20070515	AT20030076623T	20030527
DE60313245 D1	20070531	DE20036013245	20030527
DE60313245 T2	20080110	DE20036013245T	20030527
DK1366934 T3	20070917	DK20030076623T	20030527
EP1366934 A1	20031203	EP20030076623	20030527
EP1366934 B1	20070418	EP20030076623	20030527
ES2298469 T3	20080516	ES20030076623T	20030527
NL1020705 C2	20031202	NL20021020705	20020529

Probable Assignee: VIMILI HOLDING BV

Assignee(s):(std)**:** VIMILI HOLDING B V ; VIMILI HOLDING BV

Inventor(s):(std)**:** DUDOK VAN HEEL FREDERIK CARL F ; HEEL FREDERIK CARL FRITHJOF DU ; FREDERIK CARL FRITHJOF DUDOK VAN HEEL

Inventor(s): DUDOK VAN HEEL FREDERIK CARL FRITHJOF

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A61G5/04 B60G21/05 B60G9/00 B62K5/00 B62K5/025 (Advanced/Invention); A61G5/10 B62K5/00 (Advanced/Non–invention)

International class (IPC 1–7): A61G5/04 B60G21/05 B60G9/00

CPC: A61G5/1078 B62K5/025 A61G5/04 B60G9/00 B60G21/05 B60G2200/30 B60G2300/24 B62K5/06 B62K2005/001

European class: A61G5/04 B60G21/05 B60G9/00 B62K5/025 B62K5/06 K61G5/10Z1 L60G200/300 L60G300/24 L62K5/00B

Classification Explorer

Cited documents: WO9415567 A1, US6206119 BA, US6070898 A, US5921338 A, US5772237 A, US5380036 A, US3547215 A, US3332701 A, NL1018489 C2, FR2782678 A1, EP0586785 A1,

Abstract:
Source: EP1366934A1 The invention relates to a scoot–mobile comprising an undercarriage (2) provided with a frame (10) and at least three wheels, two of which are driven by a driving device (8), the driving device and the driven wheels together forming a rigid axle construction (20), which is suspended from the frame in a spring–mounted manner such that both wheels can move up and downwards substantially independently of each other. In a preferred embodiment, the suspension comprises two arms (22), each of which are connected adjacent a first end to the rigid axle construction, and adjacent a second end to the frame. The first ends are then connected to the axle construction in a spring–mounted manner via first spring means (24) and/or the second ends are connected to the frame in a spring–mounted manner via second spring means (26).

0) US6669222B – FOLDING UNICYCLE ATTACHMENT FOR A WHEELCHAIR

110) Family number: 30180544 (US6669222B) © PatBase

Title: FOLDING UNICYCLE ATTACHMENT FOR A WHEELCHAIR

Priority: US20020215941 20020809

Family:

Publication number	Publication date	Application number	Application date
US6669222 BA	20031230	US20020215941	20020809

Probable Assignee: BARRETT JOHN M

Assignee(s):(std)**:** BARRETT JOHN M ; SCHOLZ N HANZ

Inventor(s):(std)**:** BARRETT JOHN M ; SCHOLZ N HANZ

International class (IPC 8–9): A61G5/02 B62K1/00 B62K3/16 (Advanced/Invention); A61G5/00 B62K1/00 B62K3/00 (Core/Invention)

International class (IPC 1–7): B62M1/14

CPC: A61G5/023 A61G5/026 A61G5/027 A61G5/1051 B62K1/00 B62K3/16

European class: A61G5/02A4 A61G5/02B4 A61G5/02D B62K1/00 B62K3/16 K61G5/10G

US class: 280/250 280/250.1 280/304.1

Classification Explorer

Cited documents: US6105986 A, US5899476 A, US5873589 A, US5501480 A, US5383676 A, US5022671 A, US4720117 A, US4483548 A, US4471972 A, US4316616 A, US3485510 A,

Forward Citations: WO17075113, WO06043781, US9241852, US9056035, US8651507, US8152192, US7976049, US7735847, US7686114, US7641210, US2016324705, US2016317368, US2015069733, US2011101642, US2011095508, US2010237586, US2009058035, US2009008902, US2009008897, US2008315549, US2007096427, US2006267309, TWI522097, JP2016007519, ES2526715, DE102013105187, DE102012109833, DE102012109833, DE102004010989, DE102004010989, CN105982794,

Abstract:
Source: US6669222B A foldable unicycle attachable to a wheelchair to form a hand driven tricycle. The unicycle has upper and lower drive train frames. The means for attaching the unicycle to a wheelchair includes a positioning stand that holds the unicycle and its attachment means in a position adapted to receive and engage hitch means attached to the wheelchair frame. The positioning stand of the unicycle and the front castor wheels of the wheelchair are lifted off the ground during engagement of the unicycle attachment means to the hitch means of the wheelchair. The upper drive train frame includes means to allow it to be folded downwardly into a position adjacent the outer face of the lower drive train frame, and the unicycle attachment means includes means to allow it to be folded downwardly into a position adjacent the inner face of the lower drive train frame.

0) US2004064886A – PATIENT TRANSPORT APPARATUS

111) Family number: 30458810 (US2004064886A) © PatBase

Title: PATIENT TRANSPORT APPARATUS

Priority: US20020390539P 20020621 US20030600780 20030620

Family:

Publication number	Publication date	Application number	Application date
US2004064886 AA	20040408	US20030600780	20030620

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std)**:** ALVERSON CURTIS L ; CHOW GEORGE K ; HAUFLER MARK E ; KOENIG JOHN W ; MARKWICK BARRY P ; KOPCZEWSKI MICHAEL T ; PALETTI STEVEN L ; KOLOSKI PETER A

Assignee(s): HILL ROM SERVICES INC

Inventor(s):(std)**:** ALVERSON CURTIS L ; CHOW GEORGE K ; HAUFLER MARK E ; KOENIG JOHN W ; KOLOSKI PETER A ; KOPCZEWSKI MICHAEL T ; MARKWICK BARRY P ; PALETTI STEVEN L

International class (IPC 8–9): A61G5/00 A61G5/10 (Advanced/Invention); A61G5/12 (Advanced/Non–invention); A61G5/00 (Core/Invention)

International class (IPC 1–7): A61G7/10

CPC: A61G5/00 A61G5/10 A61G5/1094 A61G5/125

European class: A61G5/00 A61G5/10 K61G5/10Z7 K61G5/12E

US class: 5/83.1

Classification Explorer

Cited documents: USD298816 S1, US6347688 BA, US6315085 BA, US6302429 BA, US6290011 BA, US6264007 BA, US6161860 A, US6125957 A, US6092824 A, US5984334 A, US5904168 A, US5882067 A, US5853219 A, US5778996 A, US5704577 A, US5702326 A, US5676388 A, US5657783 A, US5558358 A, US5479953 A, US5433235 A, US5346039 A, US5137102 A, US5058912 A, US5020560 A, US4941708 A, US4809641 A, US4708274 A, US4532948 A, US4461471 A, US4345790 A, US4312505 A, US3180678 A, US3165314 A, US2792052 A, US2745465 A, US2437778 A,

Forward Citations: US8438680, US8327479, US8127380, US8091162, US7979931, US7904978, US7788748, US7694360, US7657951, US2011138537, US2010313355, US2010293718, US2010287705, US2010148542, US2007267453, US2007017029, US2007006381, US2006011228, US2005273927,

Abstract:
Source: US2004064886A The present invention includes a patient transport apparatus adapted to support a patient in a plurality of positions including a standing position and a seated position.

0) US2004084230A – TRANSPORTABLE WHEELCHAIR

112) Family number: 30547961 (US2004084230A) © PatBase

Title: TRANSPORTABLE WHEELCHAIR

Priority: US20020422006P 20021028 US20030473702P 20030528 US20030694423 20031027

Family:

Publication number	Publication date	Application number	Application date
EP1417948 A1	20040512	EP20030256757	20031027
US2004084230 AA	20040506	US20030694423	20031027

Probable Assignee: PRIDE MOBILITY PRODUCTS CORP

Assignee(s):(std): PRIDE MOBILITY PRODUCTS CORP

Assignee(s): TAYLOR PAUL M ; WHITE GERALD ; WHITTINGTON MARK ; GRYMKO CHRISTOPHER

Inventor(s):(std): GRYMKO CHRISTOPHER ; TAYLOR PAUL M ; WHITE GERALD ; WHITTINGTON MARK

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9): A61G5/04 B60K1/04 (Advanced/Invention); A61G5/08 A61G5/10 A61G5/12 (Advanced/Non–invention)

International class (IPC 1–7): A61G5/04 B60K1/00

CPC: A61G5/0875 A61G5/0891 A61G5/1078 A61G5/128 A61G5/042 A61G5/043 A61G5/1059 B60K1/04 B60Y2200/84

European class: A61G5/04A2 A61G5/04A4 B60K1/04 K61G5/08D K61G5/08R K61G5/10S2 K61G5/10Z1 K61G5/12H L60Y200/84

US class: 180/65.1 180/65.100P

Classification Explorer

Cited documents: WO9917701 A1, US6352275 BA, US6241275 BA, US6220382 BA, US6196343 BA, US6186252 BA, US6129165 A, US6073958 A, US6036216 A, US5944131 A, US5853059 A, US5743545 A, US5564786 A, US5522734 A, US5427398 A, US5423562 A, US5358263 A, US5197559 A, US5186480 A, US5176393 A, US5156226 A, US5145197 A, US5143391 A, US5141250 A, US5112069 A, US4967864 A, US4955624 A, US4763951 A, US4754946 A, US4741547 A, US4676519 A, US4576389 A, US4405142 A, US4323133 A, US4209073 A, US3976152 A, US3937490 A, US3917312 A, US3896891 A, US3618968 A, US3437164 A, US2369040 A,

Forward Citations: WO11044881, WO07043016, USD635493, USD635492, US9700470, US9603762, US9579242, US9468571, US9370455, US9364377, US9346335, US9320661, US9308143, US9233034, US9149398, US9073585, US9010470, US8910975, US8851214, US8833774, US8794359, US8616309, US8573341, US8534679, US8297388, US8272461, US8210556, US8172016, US8172015, US7775307, US7516984, US7344155, US7293801, US7207403, US7083195, US6923278, US2015175227, US2015158534, US2015014070, US2014265510, US2011083914, US2010102529, US2009091092, US2008264702, US2007209848, US2006076748, US2005257966, US2005151360, US2005077698, US2004150204, JP5849720, JP2013152806, EP1774943, CN104887418,

Abstract:
Source: US2004084230A A transportable powered wheelchair is provided which employs a variety of detachable modules to facilitate transport and storage. Further, the powered wheelchair may be readily disassembled/reassembled without the need for or use of tools. The powered wheelchair includes a power supply unit, a pair of primary drive wheels, a drive train subassembly rotatably mounting and independently driving one of the drive wheels. The powered wheelchair is further characterized by first and second main frame subassemblies each mounting one of the drive train subassemblies and detachably mounting the power supply unit therebetween. At least one cross member connects the main frame subassemblies and includes a detachable mount disposed intermediate the main frame subassemblies. The first and second main frame subassemblies and cross member, in combination, define a base or main frame assembly. Further, a seat is detachably mounted to the main frame assembly. In the preferred embodiment, at least a portion of the cross member remains attached to one of the main frame subassemblies when the wheelchair is disassembled for transport. Seat, footrest, and

power unit support assemblies are described wherein each is detachably mounted to one or both of the main frame subassemblies.

0) EP1428488A1 – LIFTING UNIT, ESPECIALLY FOR INVALIDS HUBEINHE...

113) Family number: 30654425 (EP1428488A1) © PatBase

Title: LIFTING UNIT, ESPECIALLY FOR INVALIDS

Priority: DE20021057755 20021210 DE20031048155 20031013

Family:

Publication number	Publication date	Application number	Application date
DE10348155 A1	20040701	DE20031048155	20031013
EP1428488 A1	20040616	EP20030027610	20031202

Probable Assignee: BEMOTEC GMBH

Assignee(s):(std)**:** BEMOTEC GMBH

Inventor(s):(std)**:** HERRMANN SIEGFRIED

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

International class (IPC 8–9)**:** A61G5/06 A61G5/10 (Advanced/Invention); A61G3/06 A61G7/10 (Advanced/Non–invention); A61G5/00 (Core/Invention); A61G3/00 A61G7/10 (Core/Non–invention)

International class (IPC 1–7)**:** A61G3/06 A61G5/10

CPC: A61G5/061 A61G3/063 A61G5/104 A61G5/1059 A61G7/1019 A61G7/103 A61G7/1034 A61G2200/32 A61G2200/34 A61G3/067

European class: A61G5/06A A61G5/10D K61G200/32 K61G200/34 K61G3/06C K61G5/10S2 K61G7/10N6 K61G7/10P4 K61G7/10P8

Classification Explorer

Cited documents: WO9936023 A1, WO9639319 A1, EP0734706 A1, DE4342373 A1, CA2321124 AA,

Forward Citations: WO10026420, WO10026420, WO08046546, GB2476768,

Abstract:
Lifting unit, especially for wheelchair users, for lifting or lowering seats and bed surfaces or for overcoming ramps comprises a lifting device (13) having a flat construction with a bearing surface (28) for arrangement of at least one adapter element. Preferred Features: The lifting device has a construction height of less than 100 mm and comprises a scissor arrangement (22) or a parallelogram arrangement between a base plate (26) and the bearing surface.

0) US2004146385A – RETRACTABLE RAMP SYSTEM FOR A MOBILITY VEHICLE ...

114) Family number: 30744320 (US2004146385A) © PatBase

Title: RETRACTABLE RAMP SYSTEM FOR A MOBILITY VEHICLE

Priority: US20030443483P 20030129 US20040753202 20040107

Family:

Publication number	Publication date	Application number	Application date
US2004146385 AA	20040729	US20040753202	20040107
US7527467 BB	20090505	US20040753202	20040107

Probable Assignee: BRAUN CORP

Assignee(s):(std)**:** BRAUN CORP ; EDWARDS PAUL H ; JOHNSON CHARLES E ; MALONE RYAN K

Assignee(s): JP MORGAN CHASE BANK NA ; HARRIS NA ; HARRIS NA ADMINISTRATIVE AGENT AS ; INDEPENDENT MOBILITY SYSTEMS ; INDEPENDENT MOBILITY SYSTEMS INC

Inventor(s):(std)**:** EDWARDS PAUL H ; JOHNSON CHARLES E ; MALONE RYAN K

Agent(s): MICHAEL BEST AND FRIEDRICH LLP

International class (IPC 8–9)**:** B60P1/43 (Advanced/Invention); B60P1/00 (Core/Invention)

International class (IPC 1–7)**:** B60P1/00

CPC: B60P1/431 Y10S414/134

European class: B60P1/43A

US class: 414/537 414/921

Classification Explorer

Cited documents: US7264433 BB, US7052227 BB, US6843635 BB, US6636399 BB, US6602041 BB, US6484344 BA, US6470523 BA, US6409458 BA, US6343908 BA, US6238168 BA, US6210098 BA, US6203265 BA, US6186733 BA, US6095747 A, US6010298 A, US5871329 A, US5832555 A, US5775232 A, US5676515 A, US5636399 A, US5393192 A, US5391041 A, US5380144 A, US5305486 A, US5257894 A, US5160236 A, US4966516 A, US3983584 A, US2006245883 AA, US2004136820 AA, US2003007853 AA, US2002081184 AA, US2001043853 AA, US2001008606 AA, US2001005478 AA, US1024580 A,

Forward Citations: WO16081268, USD674162, US9603758, US9375369, US9126522, US9073475, US8926254, US8534979, US8517659, US8505141, US8397329, US8375496, US8359691, US8250693, US8181300, US8132281, US8122553, US8113760, US7971891, US7934736, US2013251489, US2013251488, US2012275891, US2012013058, US2011146008, US2011027054, US2011023245, US2011008140, US2009274542, US2009184487, US2009184486, US2008187425, EP3002157, EP3002156,

Abstract:
Source: US2004146385A A retractable ramp system 10 for a mobility vehicle. A ramp platform 12 is driven by a reversible motor 86, associated drive pulley 88, and drive belt 18 affixed to a ramp carriage assembly 14. A spring–loaded mechanical release assembly 98 is used to engage the drive pulley to the motor and to disengage the drive pulley from the motor. A manual control assembly is used for manual deployment of the ramp when the drive pulley is disengaged from the motor. Ramp flap 52 provides a transition between ramp platform 12 and a mobility vehicle. Ramp flap is supported by wheels 54 which translate along ramp platform 12. Linear bearing blocks 30 attach to pivot arms 44 of the carriage assembly, which are in turn pivotably attached to ramp platform 12. Linear bearing blocks 30 translate ramp platform 12 along guide shafts 32 during deployment and stowage.

0) WO04107931A1 – SEMI–AUTOMATIC APPARATUS FOR THE DIRECTION OF F...

115) Family number: 31392062 (WO04107931A1) © PatBase

Title: SEMI–AUTOMATIC APPARATUS FOR THE DIRECTION OF FOOD TROLLEYS, USING A SYSTEM OF JOINTS SCREWS AND DISAPPEARING TROLLEYS

Priority: IT2003PI00041 20030605 IT2004PI00040 20040531

Family:

Publication number	Publication date	Application number	Application date
ITPI20030041 A1	20041206	IT2003PI00041	20030605
ITPI20040040 A1	20040831	IT2004PI00040	20040531
WO04107931 A1	20041216	WO2004IT00327	20040604

Probable Assignee: LUCACCINI ANDREA

Assignee(s):(std)**:** LUCACCINI ANDREA

Inventor(s):(std)**:** LUCACCINI ANDREA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47F10/06 (Advanced/Invention); A47F10/00 (Core/Invention); B65G (Subclass/Invention)

International class (IPC 1–7): A47F10/06

CPC: A47F10/06

European class: A47F10/06

Classification Explorer

Cited documents: GB695999, GB579578, GB361618, GB1139671, EP1382277, EP0847719, DE3825694,

Abstract:
The installation relates to food–carrier equipment or the like using a system with combined screws that is innovative and of safe reliability, integral with an air trolley for the descent towards the tables of the guests and for the following rise back to the level of the air ways. The system with combined screws aboard each air trolley does not need auxiliary connections from earth and it is therefore easy to commute the public eating place into a ball–room, meeting hall, or the like. The air tracks, one–way and closed circuit, start from the kitchen, or the like, and cover the tables of the guests who, each being at his place, waiting for a short time for the dishes. The installation can be supplied in various arrangements, starting from a really low cost. Every guest chooses, orders an pays the related food or the like remaining at his place at the table using either a tiny mobile terminal available at the tables every four places or (economic alternative) leaflets showing the menu of the day and on which he can mark the food or similar choices. Each air track provides all electronic reading thresholds for bar codes or (economic alternative) all electromechanical detection thresholds with sensors in order to intercept each trolley of interest for the related descent. The installation also provides an easy and fast tool for uncoupling an coupling the food–carrier equipment described above from the and to the trolleys that, running along the above–mentioned air tracks, ensure the service at the tables of the public eating place.

0) US2004177445A – HOSPITAL BED

116) Family number: 33496193 (US2004177445A) © PatBase

Title: HOSPITAL BED

Priority: US19990173428P 19991229 US20000750741 20001229 US20000751031 20001229 US20030731720 20031209

Family:

Publication number	Publication date	Application number	Application date
US2004177445 AA	20040916	US20030731720	20031209
US6957461 BB	20051025	US20030731720	20031209

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std)**:** HILL ROM SERVICES INC

Assignee(s): JACQUES WILLIAM L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; WELLING JEFFREY R ; VISCA MATTHEW ; KOENIG JOHN W ; KRAMER KENNETH L ; KINKER ROBERT A ; VALVANO DEAN M ; WILKER JACK ; BRANSON GREGORY W ; DICKMAN BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C

Inventor(s):(std)**:** BRANSON GREGORY W ; DICKMAN BRUCE E ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; JACQUES II WILLIAM L ; JACQUES WILLIAM L ; KINKER JR ROBERT A ; KINKER ROBERT A ; KOENIG JOHN W ; KRAMER KENNETH L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VALVANO DEAN M ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JACK ; WILKER JR JACK

Agent(s): BOSE MCKINNEY AND EVANS LLP

International class (IPC 8–9): A47C21/08 A61G7/00 A61G7/05 A61G7/075 A61H23/02 (Advanced/Invention); A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non–invention)

International class (IPC 1–7): A47C21/08 A61G7/015 A61G7/018

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G2203/34 A61G7/015 A61G7/012 A61G7/0507 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

European class: A61G7/00 A61G7/005 A61G7/015 A61G7/018 A61G7/053 A61G7/05S A61G7/075L K61B5/11N4 K61G203/12 K61G7/005 K61G7/012 K61G7/015 K61G7/018 K61G7/05 K61G7/053 K61G7/057C K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

US class: 5/43 5/430 5/430S 5/507.1 5/507.100S 5/600 5/600P 5/616 5/617 5/617S 5/618 5/658 5/658S 5/905 5/905S

Classification Explorer

Cited documents: WO0069386 A2, USRE35201 E, US6880189 BB, US6826793 BB, US6789280 BA, US6691346 BB, US6658680 BB, US6611979 BB, US6486792 BA, US6481688 BA, US6473921 BB, US6438776 BB, US6336235 BA, US6320510 BB, US6208250 BA, US6185767 BA, US6182310 BA, US6163903 A, US6038718 A, US6008598 A, US5906017 A, US5906016 A, US5878452 A, US5802640 A, US5737781 A, US5732423 A, US5723423 A, US5715548 A, US5708997 A, US5577280 A, US5542136 A, US5279010 A, US5255403 A, US5245718 A, US5235258 A, US5230113 A, US5222132 A, US5205004 A, US5191663 A, US5175897 A, US5161274 A, US5160010 A, US5105486 A, US5097550 A, US5072463 A, US4862529 A, US4847929 A, US4821351 A, US4680790 A, US4675926 A, US4612679 A, US4484367 A, US4324010 A, US4195829 A, US4183015 A, US4038709 A, US3977664 A, US3916461 A, US3665528 A, US3233255 A, US3220021 A, US3184765 A, US2005028281 AA, US2005000020 AA, US2004177445 AA, US2004128765 AA, US2004034936 AA, US2003115672 AA, US2003051292 AA, US2003051291 AA, US2003019038 AA, US2002080037 AA, US2002066142 AA, US2002059679 AA, US2002002742 AA, US2001032362 AA, US2001029628 AA, US2001027578 AA, US2001011393 AA,

Forward Citations: WO11017482, WO11017482, WO10081392, WO09114249, WO08128250, WO07092886, WO07092886, WO04021952, WO04021952, USRE43532, USRE43193, US9700247, US9655798, US9655796, US9555778, US9539157, US9492341, US9492340, US9489818, US9465389, US9383250, US9358168, US9259371, US9241858,

US9233039, US9220651, US9220650, US9205010, US9177465, US9149403, US9126571, US9125779, US9089459, US9052718, US9044361, US9009893, US9005101, US8887329, US8886383, US8866610, US8856987, US8847756, US8830070, US8819879, US8799011, US8717181, US8701229, US8683628, US8677536, US8640285, US8634981, US8615828, US8593284, US8537008, US8525682, US8516637, US8502663, US8495774, US8474072, US8464380, US8438680, US8432287, US8418291, US8400311, US8397327, US8393026, US8370977, US8344860, US8341779, US8334777, US8327479, US8286282, US8266742, US8258963, US8258944, US8151387, US8127380, US8121856, US8100061, US8091162, US7979931, US7978084, US7962981, US7926131, US7904978, US7845032, US7805784, US7802331, US7788748, US7779493, US7774876, US7766289, US7703158, US7676866, US7669263, US7661696, US7610637, US7600280, US7533429, US7523515, US7520006, US7506390, US7472437, US7464425, US7454805, US7406731, US7296312, US7257850, US7171708, US7093311, US6957461, US6945131, US2015305517, US2015283013, US2015231008, US2015051784, US2015046019, US2014331409, US2014310876, US2012023675, US2012011652, US2011227303, US2011225734, US2011208541, US2011205061, US2011191957, US2011162141, US2011138537, US2011113561, US2010293718, US2010287705, US2010263123, US2009049616, US2008289108, US2008262657, US2008201851, US2008189856, US2008020672, US2008016624, US2007200396, US2007181751, US2007180616, US2007169268, US2007163043, US2007130692, US2007017029, US2007010719, US2007004971, US2007000059, US2007000058, US2006174412, US2006168731, US2006168730, US2006162079, US2006117482, US2006096029, US2006075560, US2006026768, US2006021145, US2006010601, US2005000020, US2004261178, US2004237195, US2004128765, US2003172756, KR20160139090, KR101688731, EP3156028, EP3045158, EP3037080, EP2974705, EP2777670, EP2702972, EP2689763, EP2460503, EP2433605, EP2324808, EP1818843, AU2003274957,

Abstract:
Source: US2004177445A A bed for a person is provided. The bed includes a frame, a deck including a seat section and a foot section movable relative to the seat section. The bed further including a mechanism that control movement of the foot section relative to the seat section.

0) US2005081447A – APPARATUS MOVING WITH A SLIDING DOOR TO PROVIDE...

117) Family number: 31773535 (US2005081447A) © PatBase

Title: APPARATUS MOVING WITH A SLIDING DOOR TO PROVIDE AN UNOBSTRUCTED PASSAGEWAY AND TO SEAL A NOTCH WITHIN A WATERTIGHT BARRIER

Priority: US20030689350 20031020 US20050037632 20050118

Family:

Publication number	Publication date	Application number	Application date
US2005081447 AA	20050421	US20030689350	20031020
US6871448 BA	20050329	US20030689350	20031020
US7124538 BA	20061024	US20050037632	20050118

Probable Assignee: KLINE C W

Assignee(s):(std)**:** KLINE C W ; KLINE C WALTER

Inventor(s):(std)**:** KLINE C W ; KLINE C WALTER

Inventor(s): KLINE C

Agent(s): MALLOY AND MALLOY PA, C/O JOHN FULTON JR; MALLOY AND MALLOY PA C O JOHN FULTON JR; MALLOY AND MALLOY PA

International class (IPC 8–9): E06B3/46 E06B7/28 (Advanced/Invention); E06B3/32 E06B7/00 (Core/Invention)

International class (IPC 1–7): E05D15/10 E06B1/70 E06B7/28

CPC: E06B3/4618 E06B7/28

European class: E06B3/46B2 E06B7/28

US class: 49/209 49/304 49/316 49/319 49/320 49/321 49/469 493/190

Classification Explorer

Cited documents: US974959 A, US6871448 BA, US6826867 BA, US6497072 BB, US6497072 BA, US6195939 BA, US6170207 BA, US6170207 B1, US6125584 A, US6082047 A, US6017105 A, US5887387 A, US5870859 A, US5642588 A, US5560164 A, US5422552 A, US5029911 A, US4930256 A, US4805345 A, US4703586 A, US4692961 A, US4644690 A, US4562667 A, US4437266 A, US4432164 A, US4406088 A, US4237664 A, US4145093 A, US4089136 A, US3947998 A, US3660936 A, US3225393 A, US2248719 A, US2161108 A, US2004098915 AA, US1494329 A, US1005114 A, JP11182154 A2,

Forward Citations: WO10114891, USD669770, USD669769, US9492038, US9388626, US9303448, US9217277, US8959837, US8925249, US8701346, US8656643, US8631606, US8627606, US8539717, US8516756, US8484899, US8468746, US8464467, US8387309, US8381445, US8336258, US8127504, US8109037, US8091282, US8074399, US7930856, US7685776, US7685775, US7685774, US7281481, US7124538, US2015107170, US2012005960, US2011308169, US2011126471, US2010192467, US2010031578, US2009241428, US2009178344, US2009151259, US2009038228, US2007292324, US2007175121, US2007151179, US2007151156, US2007067901, US2007022663, US2007022662,

Abstract:
Source: US2005081447A A sliding door assembly includes a barrier plate extending across the lower portion of the doorway to prevent the intrusion of water during severe weather conditions. A notch within the barrier plate, enlarging the passageway opened by the sliding door to form an obstruction–free passageway, is sealed by compressing a gasket between the barrier plate and a compression plate mounted to move with the sliding door. An actuator, mounted along the floor adjacent the compression plate with the sliding door closed, moves the compression plate toward the barrier plate, compressing the gasket, in response to operation of a latch lever.

118) Family number: 31969343 (US2005240253A) © PatBase

Title: SYSTEMS AND METHODS FOR ALTERING VESTIBULAR BIOLOGY

Priority:

CA20042547445	20041126	CA20042648286	20041126	US20030525359P	20031126
US20050234457	20050923	US20050234453	20050923	US20040998222	20041126
US20040605988P	20040831	US20040615305P	20041001	US20050033246	20050111
US20070926135	20071029	US20070926124	20071029	US20060854676P	20061026
US20070925393	20071026	WO2004US39754	20041126	US20050234635	20050923
US20070657376	20070124	US20060761709P	20060124	US20150692419	20150421

Family:

Publication number	Publication date	Application number	Application date
CA2547445 AA	20060526	CA20042547445	20041126
CA2547445 C	20090310	CA20042547445	20041126
CA2648286 AA	20050609	CA20042648286	20041126
EP1691766 A2	20060823	EP20040817912	20041126
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US2006241718 AA	20061026	US20050234457	20050923
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US2008228239 AA	20080918	US20070926135	20071029
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US2009312817 AA	20091217	US20070925393	20071026
US2009326604 AA	20091231	US20040998222	20041126
US2015290453 AA	20151015	US20150692412	20150421
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WO05051329 A2	20050609	WO2004US39754	20041126
WO05051329 A3	20070419	WO2004US39754	20041126

Probable Assignee: WICAB INC

Assignee(s):(std)**:** BACH Y RITA PAUL ; DANILOV YURI PETROVICH ; TYLER MITCHELL EUGENE ; WICAB INC

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/103 A61B5/11 A61B5/117 A61B5/16 A61B9/00 A61F11/00 A61F4/00 A61F5/00 A61F5/58 A61F9/00 A61F9/08 A61H39/04 A61H99/00 A61M21/00 A61M21/02 A61M25/00 A61N1/00 A61N1/04 A61N1/05 A61N1/06 A61N1/08 A61N1/18 A61N1/20 A61N1/32 A61N1/36 B63C11/02 G08B6/00 (Advanced/Invention); A61B5/05 A61B5/055 A61M21/00 A61M21/02 G09B21/06 (Advanced/Non–invention);

A61B5/05 A61B5/103 A61N1/00 A61N1/04 A61N1/08 A61N1/18 (Core/Invention);
A61B5/055 (Core/Non–invention);
A61K (Subclass/Invention)

International class (IPC 1–7): A61B5/103 A61B5/117 A61K A61N1/04 A61N1/06 A61N1/08 A61N1/20 A61N1/32

CPC: A61B5/6803 A61B5/686 A61M21/00 A61B5/112 A61B5/1123 A61B5/4519 A61B5/4528 A61B5/486 A61B5/682 A61B5/7225 A61B5/726 A61B2562/0209 A61F9/08 A61F11/00 A61M2021/0022 A61M2021/0027 A61M2021/0044 A61M2210/0643 A61N1/36025 A61N1/36082 A61N1/36103 G06F3/015 A61B5/14553 G06F3/011 G06F3/012 G06F3/016 A61B5/4023 A61B5/4005 A61B5/4047 A61N1/0548 A61N1/36071 A61B5/1124 A61B2562/046 A61B5/0492 A61B5/7455 A61B5/7475 A61B5/11 A61N1/36014 G06F3/03547 G06F3/038 G06F3/0383 A61B5/055 A61B5/1116

European class: A61B5/0492 A61B5/11 A61B5/11U A61B5/48S A61B5/68B2B5 A61M21/00 A61N1/36 A61N1/36E A61N1/36Z A61N1/36Z3G G06F3/01B G06F3/01B2 G06F3/01B8 G06F3/01F K61B5/11P K61B5/11R K61B5/11T K61B5/1455N4 K61B5/45F K61B5/45K K61B5/72F K61B5/72K10D K61B562/02B K61B562/04D K61F11/00 K61F9/08 K61M21/00A4 K61M21/00A5 K61M21/00A6 K61M210/06D6 K61N1/05 K61N1/36E K61N1/36E6 K61N1/36V K61N1/36Z K61N1/36Z3E

US class: 600/554 600/554S 600/595 600/595P 600/595S 607/134 607/134P 607/2 607/2P 607/45 607/45P 607/54 607/54P 607/62 607/62S

Classification Explorer

Cited documents: WO9720305 A1, US7463929 BB, US7352356 BB, US7160273 BB, US7145461 BB, US6943754 BB, US6748275 BB, US6546291 BB, US6430459 BA, US6430450 BA, US6429196 BA, US6421185 BA, US6401249 BB, US6366813 BA, US6326901 BA, US6314324 BA, US6267733 BA, US6219578 BA, US6077237 A, US6063046 A, US5919149 A, US5919146 A, US5878154 A, US5833714 A, US5749372 A, US5627237 A, US5591216 A, US5466229 A, US5368042 A, US5337757 A, US5335657 A, US5304112 A, US5303715 A, US5209240 A, US5052406 A, US5035500 A, US5026151 A, US4938476 A, US4830024 A, US4817633 A, US4817628 A, US4813419 A, US4667676 A, US4558703 A, US4503863 A, US4305402 A, US4092633 A, US4013076 A, US3952728 A, US2010069995 AA, US2009326604 AA, US2008009772 AA, US2006241718 AA, US2006204045 AA, US2006161218 AA, US2006151218 AA, US2006058619 AA, US2006045287 AA, US2005261581 AA, US2005240253 AA, US2005215921 AA, US2005065453 AA, US2004249302 AA, US2004225208 AA, US2004215236 AA, US2004210161 AA, US2004138687 AA, US2004127954 AA, US2004073151 AA, US2004068481 AA, US2004057013 AA, US2004054299 AA, US2004005859 AA, US2003199944 AA, US2003149450 AA, US2003149360 AA, US2003117371 AA, US2002103429 AA, US2002072781 AA, US2002026219 AA, US2002010497 AA, US10497 A, JP2001029485 A2, EP1220179 A2, EP1035463 A1,

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US2009192449, US2009186324, US2009163894, US2009141853, US2009137866, US2009118649, US2009112621, US2009112620, US2009112617, US2009112616, US2009112190, US2009112048, US2009110714, US2009105561, US2009105521, US2009099623, US2009097757, US2009088659, US2009083281, US2009083071, US2009012430, US2009009332, US2008301632, US2008280276, US2008262565, US2008242951, US2008234601, US2008167662, US2008077198, US2008045774, US2008027510, US2008010071, US2008004661, US2007299362, US2007293732, US2007239235, US2007233204, US2007218441, US2007218439, US2007192174, US2007161875, US2007043405, US2007032835, US2007027631, US2007027591, US2007016425, US2006241373, US2006217782, US2006206169, US2006184292, US2006161218, US2006129205, US2006119623, US2006109201, US2006100679, US2006069415, US2005240253, US2005149124, US2005113882, TWI507226, RU2552682, NL2001805, JP2015521303, GB2508757, EP2968908, EP2964084, EP2849840, EP2846220, EP2713863, EP2713863, EP2523724, EP2523724, EP2195084, EP2195084, EP2081636, CN104244842, CN102256662, CN102138340, AU2009302591,

Abstract:
Source: US2005240253A The present invention relates to systems and methods for management of brain and body functions and sensory perception. For example, the present invention provides systems and methods of sensory substitution and sensory enhancement (augmentation) as well as motor control enhancement. The present invention also provides systems and methods of treating diseases and conditions, as well as providing enhanced physical and mental health and performance through sensory substitution, sensory enhancement, and related effects. In particular, the present invention provides systems and methods for altering vestibular biology to, among other things, treat diseases and conditions or enhance performance related to vestibular functions.

119) Family number: 31993948 (US2005129490A) © PatBase

Title: APPARATUS AND METHOD FOR LIFTING AND CARRYING OBJECTS ON A VEHICLE

Priority: US20030530033P 20031216 US20040014331 20041216

Family:

Publication number	Publication date	Application number	Application date
US2005129490 AA	20050616	US20040014331	20041216

Probable Assignee: ENABLE EQUIPMENT INC

Assignee(s):(std)**:** HUTCHINS MARK L

Assignee(s): ENABLE EQUIPMENT INC

Inventor(s):(std)**:** HUTCHINS MARK L

Inventor(s): HUTCHINS MARK

Agent(s): JAMES E BRADLEY BRACEWELL AND PATTERSON LLP

International class (IPC 8–9): B60P1/44 B60P3/12 B60P9/00 (Advanced/Invention); B60P1/44 B60P3/12 B60P9/00 (Core/Invention)

International class (IPC 1–7): B60P9/00

CPC: B60P1/4414 B60P3/122

European class: B60P1/44D B60P3/12A

US class: 414/462

Classification Explorer

Cited documents: US6435804 BA, US5431522 A, US5122024 A,

Forward Citations: WO12102878, WO12102878, US9381867, US8696295, US8517659, US8375496, US8250693, US8181300, US8132997, US8132281, US8122553, US7571507, US2012204360, US2009158536, US2008206030, US2007285640, EP2974906,

Abstract:
Source: US2005129490A The invention includes a lift apparatus for supporting an object in the proximity of a vehicle traversing a terrain. The lift apparatus includes a mounting plate that is mounted to the vehicle, and a platform to support and carry the object. The lift apparatus also includes an arm assembly having a pair of parallel gear arms. The arm assembly is pivotally connected to the mounting plate at an upper end of the arm assembly, and is pivotally connected to the platform at a lower end of the arm assembly. A drive motor assembly is mounted to the mounting plate and is laterally offset from the gear arms. A link extends between the drive motor assembly and one of the gear arms to rotate the gear arms about their upper ends, thereby raising the platform.

0) US2005173888A – ASSISTIVE MOBILITY DEVICE

120) Family number: 32137650 (US2005173888A) © PatBase

Title: ASSISTIVE MOBILITY DEVICE

Priority: US20040542801P 20040205 US20050049572 20050203

Family:

Publication number	Publication date	Application number	Application date
US2005173888 AA	20050811	US20050049572	20050203
US7243938 BB	20070717	US20050049572	20050203

Probable Assignee: COOPER EDWARD TIII

Assignee(s):(std)**:** STAMPS DOUGLAS W ; STAMPS JANICE L ; SCHENK DANIEL E ; STOLL JAROD D ; NISLEY ADAM JAY ; STAMPS DOUGLAS WAYNE ; SCHENK DANIEL EDWARD ; STOLL JAROD DANIEL ; STAMPS JANICE LYNN ; COOPER III EDWARD THOMAS ; GIESTING SAMUEL CHARLES

Assignee(s): NISLEY ADAM J ; GIESTING SAMUEL C ; COOPER EDWARD T III ; COOPER EDWARD TIII

Inventor(s):(std)**:** COOPER EDWARD T III ; GIESTING SAMUEL C ; GIESTING SAMUEL CHARLES ; COOPER III EDWARD THOMAS ; NISLEY ADAM J ; NISLEY ADAM JAY ; SCHENK DANIEL E ; SCHENK DANIEL EDWARD ; STAMPS DOUGLAS W ; STAMPS DOUGLAS WAYNE ; STAMPS JANICE L ; STAMPS JANICE LYNN ; STOLL JAROD D ; STOLL JAROD DANIEL

Inventor(s): STOLL JAROD ; STAMPS JANICE ; STAMPS DOUGLAS ; SCHENK DANIEL ; GIESTING SAMUEL ; III EDWARD THOMAS ; NISLEY ADAM ; COOPER EDWARD THOMAS ; COOPER EDWARD TIII ; COOPER ; COOPER EDWARD

Agent(s): DOUGLAS STAMPS

International class (IPC 8–9): A61G5/10 A61G5/12 B62B5/04 B62M1/14 (Advanced/Invention); A61G5/00 B62B5/00 (Core/Invention)

International class (IPC 1–7): B62M1/14

CPC: A61G5/1008 A61G5/101 A61G5/1021 A61G5/1024 A61G5/1037 A61G5/1067 A61G5/10 A61G5/12 B62B5/0404 B62B5/0461 B62B5/0438 A61G5/1054 A61G5/125 A61G5/128

European class: K61G5/10H K61G5/12E K61G5/12H L62B5/04A L62B5/04A2 L62B5/04H4 L62B5/04L3

US class: 280/250.1 280/250.100P 280/304.1 280/47.4 280/647

Classification Explorer

Cited documents: US7090240 BB, US6976698 BB, US6880845 BA, US6739610 BB, US6715780 BB, US6684969 BA, US6409195 BA, US6371503 BB, US6352138 BA, US6341671 BA, US6315306 BA, US6279936 BA, US6264007 BA, US6183002 BA, US6092824 A, US6086086 A, US6012555 A, US5984334 A, US5894912 A, US5799756 A, US5592997 A, US5480179 A, US5379866 A, US5217239 A, US5203433 A, US5145197 A, US4639012 A, US4623043 A, US4320818 A, US4084663 A, US3897857 A,

Forward Citations: WO12158134, US9532912, US9259370, US9198814, US9084710, US9016706, US8919797, US8622409, US8403420, US8096564, US8087687, US7784811, US7369943, US2013257010, US2013154231, US2013140789, US2013140788, US2011227314, US2011062740, US2010219617, US2010102534, US2009156094, US2007093963, US2005248122, US2005248121,

Abstract:
Source: US2005173888A An assistive mobility device is provided that includes an automatic positive locking system, which permits an operator to move the assistive mobility device when an actuator is engaged and automatically lock the assistive mobility device when the actuator is disengaged. The assistive mobility device includes a braking system, stowable footrest and armrests, and an adjustable back, which all require the single−handed operation of the operator to function. The collapsible footrest is stowed under the seat permitting an occupant optimal entry into or exit from the assistive mobility device. The assistive mobility device can be formed from non−corrosive materials, including stainless steel, composite fibers, nylon, and plastics, for use in aquatic environments.

0) WO05082476A1 – BOWLING DEVICE FOR USE WITH PERSONAL MOBILITY V...

121) Family number: 32222790 (WO05082476A1) © PatBase

Title: BOWLING DEVICE FOR USE WITH PERSONAL MOBILITY VEHICLE

Priority: WO2004US02616 20040130

Family:

Publication number	Publication date	Application number	Application date
WO05082476 A1	20050909	WO2004US02616	20040130

Probable Assignee: MGT CORP

Assignee(s):(std)**:** MGT CORP

Inventor(s):(std)**:** GIGUERE CLAUDE J ; MILLER WILLIAM A

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A63D5/00 (Advanced/Invention); A63D5/00 (Core/Invention)

International class (IPC 1–7): A63D5/00

CPC: A63D5/00

Classification Explorer

Cited documents: WO0072928, US6475096, US3083967,

Abstract:
A device for propelling a projectile (12) such as a bowling ball from a personal mobility vehicle (18) such as wheel chair. The device comprises a ramp (22) extending between an upper end (26) and a lower end (28). A coupling (24) secures the personal mobility vehicle. A stop (30) maintains the projectile (12) on the upper end (26) of the ramp (22) during forward movement of the personal mobility vehicle (18). The projectile (12) travels from the upper end to the lower end of the ramp upon deceleration of the personal mobility vehicle in a forward direction to propel the projectile form the ramp.

0) US2005199671A – VEHICLE LOAD SUPPORT

122) Family number: 32245367 (US2005199671A) © PatBase

Title: VEHICLE LOAD SUPPORT

Priority: US20040798984 20040311

Family:

Publication number	Publication date	Application number	Application date
US2005199671 AA	20050915	US20040798984	20040311

Probable Assignee: RILEY REX W

Assignee(s): RILEY REX W

Inventor(s):(std)**:** RILEY REX W

Inventor(s): RILEY REX

Agent(s): DONN K HARMS PATENT AND TRADEMARK LAW CENTER

International class (IPC 8–9)**:** B60R9/06 (Advanced/Invention); B60R9/00 (Core/Invention)

International class (IPC 1–7)**:** B60R9/06

CPC: B60R9/06

European class: B60R9/06

US class: 224/512 224/513 224/513S

Classification Explorer

Cited documents: US6769858 BA, US6641353 BB, US6638001 BA, US5957346 A, US5618150 A, US5377885 A, US5224636 A, US5033662 A, US4971237 A, US4915276 A, US4806063 A, US4437599 A, US4403716 A, US4221311 A, US4213729 A, US3937376 A, US3822801 A, US3796333 A, US3724694 A, US3655082 A,

Forward Citations: US9623807, US9037346, US2015051795,

Abstract:
Source: US2005199671A The vehicle load support is externally attached to the rear of a vehicle and consists of an A–frame configuration with an angular support brace having a polarity of orifices to supply multiple load attachment points. At the distal ends of the tubular members are spring–loaded latching couplers attaching to the steel eye bolts on the vehicle for quick attachment and release. A yoke style strap is attached to the tubular members designed to be self–centering with any shifting of the load. A carabineer, or spring loaded quick release attaching clasp is fixably attached to the vehicle by the means of a secondary strap to lower the device to access the rear of the vehicle. Two unique angles in the construction of the vehicle load support vector the weight loaded on the device when elevated, down and against the eye bolts minimizing the rattling and resisting the movement forward when the brakes are applied.

0) US2005214089A – WHEELCHAIR DOCKING SYSTEM

123) Family number: 32276253 (US2005214089A) © PatBase

Title: WHEELCHAIR DOCKING SYSTEM

Priority: US20040024751 20041230 US20040808407 20040325 WO2005US46709 20051223 US20050083160 20051223

Family:

Publication number	Publication date	Application number	Application date
DE112005003276 T5	20080228	DE200511003276T	20051223
GB200712056 A0	20070801	GB20070012056	20051223
GB2435193 A1	20070815	GB20070012056	20051223
GB2435193 B2	20081001	GB20070012056	20051223
US2005214089 AA	20050929	US20040808407	20040325
US2005214090 AA	20050929	US20040024751	20041230
US2009214314 AA	20090827	US20050083160	20051223
US7104740 BB	20060912	US20040808407	20040325
US7229238 BB	20070612	US20040024751	20041230
WO05102775 A1	20051103	WO2005US05592	20050224
WO06073880 A2	20060713	WO2005US46709	20051223
WO06073880 A3	20070419	WO2005US46709	20051223

Probable Assignee: VALEDA CO LLC

Assignee(s):(std): ESTEIREIRO JOE ; GIRARDIN JEAN MARC ; KAZANCHY JOHN ; VALEDA CO LLC ; VALEDA CO LLC DBA Q STRAI ; VALEDA COMPANY LLC ; VALEDA COMPANY LLC DBA Q STRAI

Assignee(s): VALEDA COMPANY LLC DBA Q STRAINT ; VALEDA CO LLC DBA Q STRAINT ; VALEDA CO ; VALEDA CO LLC (DBA Q'STRAINT)

Inventor(s):(std): ESTEIREIRO JOE ; GIRARDIN JEAN MARC ; KAZANCHY JOHN

Inventor(s): JOHN KAZANCHY ; JEAN MARC GIRARDIN ; JOE ESTEIREIRO

Agent(s): RALPH A DOWELL OF DOWELL AND DOWELL PC; DOWELL AND DOWELL PC; DAVID I ROCHE BAKER AND MCKENZIE LLP; BAKER AND MCKENZIE LLP; DAVID I; DANIEL A

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61G3/08 B60P3/00 B60P3/06 B60P3/073 B60P3/08 B60P7/08 (Advanced/Invention); A61G3/00 B60P3/06 B60P7/06 (Core/Invention)

International class (IPC 1–7): B60P3/06

CPC: A61G3/0808 B60P7/0807 B60P3/073 A61G3/08

European class: A61G3/08 B60P3/073 B60P7/08A

US class: 410/7 410/7P

Classification Explorer

Cited documents: WO0128811 A1, US6899497 BB, US6685403 BB, US6524039 BA, US6474916 BB, US6474916 BA, US6361238 BA, US6352396 BA, US6350089 BA, US6349986 BA, US6287060 BA, US6231283 BA, US6213696 BA, US6186545 BA, US6183178 BA, US6149359 A, US6142718 A, US6059313 A, US6039520 A, US5975822 A, US5971433 A, US5871318 A, US5839757 A, US5833367 A, US5833267 A, US5823727 A, US5794908 A, US5779271 A, US5762296 A, US5738471 A, US5628595 A, US5529341 A, US5499844 A, US5489172 A, US5391030 A, US5344265 A, US5337979 A, US5302065 A, US5180263 A, US5026225 A, US4948311 A, US4930808 A, US4877361

A, US4850769 A, US4805954 A, US4771969 A, US4754946 A, US4690364 A, US4688843 A, US4671713 A, US4623289 A, US4496271 A, US4457551 A, US4369995 A, US4213636 A, US4103934 A, US4047689 A, US4019752 A, US2623289 A, US2003012617 AA, US2002064433 AA, GB1179042 A,

Forward Citations: WO12087651, WO12087651, WO12068233, US9592761, US9079524, US8650735, US8403615, US8308406, US7455490, US7431546, US7108466, US7108466, US2016354275, US2011011907, US2010171284, US2009309344, US2009308672, US2006269378, US2005019125, EP2570105, CN102038585,

Abstract:
Source: US2005214089A A docking system for securing a wheelchair into a vehicle in which a docking shoe is firmly attached to either the frame of the wheelchair or to the floor of the vehicle, or both. A firm anchor device, which may be a second docking shoe, is firmly attached to the other of the floor and wheelchair. A docking arm is mounted vertically in the anchor device and the wheelchair is positioned in the vehicle so that the docking shoe and the anchor device are vertically aligned one above the other so that the docking arm can be slidably and releasably locked into the docking shoe. Preferably, the docking shoe includes an electrically operated, spring loaded, release mechanism.

0) KR20050105306A – SLIDING RAMP OPERATING APPARATUS OF BUS

124) Family number: 33784670 (KR20050105306A) © PatBase

Title: SLIDING RAMP OPERATING APPARATUS OF BUS

Priority: KR20040029684 20040428

Family:

Publication number	Publication date	Application number	Application date
KR100569189 B1	20060407	KR20040029684	20040428
KR20050105306 A	20051104	KR20040029684	20040428

Probable Assignee: HYUNDAI MOTOR CO LTD

Assignee(s):(std)**:** HYUNDAI MOTOR CO LTD

Assignee(s): HYUNDAI MOTOR COMPANY ; HYUNDAI MOTOR CO

Inventor(s):(std)**:** SUNG BYUNG JOON

International class (IPC 8–9)**:** B60R3/02 (Advanced/Invention); B60R3/02 (Advanced/Non–invention); B60R3/00 (Core/Invention)

International class (IPC 1–7)**:** B60R3/02

CPC: B60R3/02 B60P1/431 B60R16/005 B60R2013/046 B60T13/261

Classification Explorer

Abstract:
Source: KR100569189B This invention relates to a device operating the sliding of the bus ramp, for finer access wheelchair on the bus sliding and sliding, to install a lamp above the lamp lie out of the bus through a pneumatic and motor torque is to be withdrawn in the bus's sliding the lamp operating device. this invention, allowing wheelchair access on the bus, on the bus, in the base, make it possible to extend the road installed sliding and sliding the lamp part part in pushing the lamp power above; or to provide extra tractive force force force means, besides the above means; to provide bus, ball pressure is installed on the side of the air force and the air above the tank; between tank and extra connector is installed through the external power supply or air as a means to block provided, draw out the above to be added a sliding ramp for the 1st valve and sliding the lamp to be added in your mouth the second valve valve valve (1) and (2) above; the electrically connected to a valve the valve (1) and (2) that the action to be on the side of the driver's seat of the bus, the controls; to be installed Above, so that the above additional withdrawals or mouth sliding lamp control switches associated with the sliding of the bus containing the lamp; a working device. Keywords seconds for low–floor bus, sliding the lamp, lamp part, embracing the air tank

0) US2005248121A – AUTOMATIC WHEELCHAIR BRAKE DEVICE

125) Family number: 32393239 (US2005248121A) © PatBase

Title: AUTOMATIC WHEELCHAIR BRAKE DEVICE

Priority: US20040567907P 20040504 US20040602125P 20040817 US20050118957 20050429 US20050119448 20050429

Family:

Publication number	Publication date	Application number	Application date
US2005248121 AA	20051110	US20050118957	20050429
US2005248122 AA	20051110	US20050119448	20050429
US7066482 BB	20060627	US20050119448	20050429
WO05108195 A2	20051117	WO2005US14724	20050502
WO05108195 A3	20060202	WO2005US14724	20050502

Probable Assignee: JERRY FORD CO LLC

Assignee(s):(std)**:** FORD JERRY ; JERRY FORD CO LLC ; JERRY FORD COMPANY LLC

Assignee(s): JERRY FORD CO

Inventor(s):(std)**:** FORD JERRY

Agent(s): PATTERSON THUENTE SKAAR AND CHRISTENSEN PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): B60T1/04 B62B5/04 B62H1/00 (Advanced/Invention); A61G5/08 (Advanced/Non–invention); B60T1/00 B62B5/00 B62H1/00 (Core/Invention); A61G5/00 (Core/Non–invention)

International class (IPC 1–7): A61G5/02 B60T1/04 B62H1/00

CPC: A61G5/1035 A61G5/101 A61G5/1037 A61G5/1018 A61G5/0825 A61G5/1054 A61G5/127

European class: A61G5/10B A61G5/10B5C K61G5/08A2X K61G5/10H K61G5/12G L62B205/00 L62B5/04A L62B5/04A2 L62B5/04H L62B5/04H4 L62B5/04Y

US class: 188/2F 280/304.1 280/304.100P

Classification Explorer

Cited documents: USD412869 S1, US6851522 BB, US6851522 BA, US6851522 B1, US6688437 BB, US6688437 BA, US6688437 B1, US6655503 BA, US6371503 BB, US6371503 BA, US6371503 B1, US6352138 BA, US6264007 BA, US6012555 A, US5984334 A, US5894912 A, US5799756 A, US5667236 A, US5492355 A, US5451193 A, US5320818 A, US5203433 A, US5036959 A, US4623043 A, US4320818 A, US4116464 A, US3529700 A, US3302757 A, US2005173888 AA, US2004104081 AA, US2004080138 AA, US2004051272 AA, US2003189310 AA, US2003146056 AA, US2003098568 AA, US2002145271 AA,

Forward Citations: WO15131165, WO08103616, US8894091, US8733785, US8622409, US8585076, US8500152, US8499898, US8215808, US8193650, US8096570, US7320473, US2016270989, US2011218712, US2011215553, US2011089665, US2010225086, US2010044164, NL1038293, FR2997366,

Abstract:
Source: US2005248121A The present automatic wheelchair brake device invention includes a brake mechanism adapted to be installed on an existing collapsible wheelchair. The brake mechanism may be adapted to be operably installed on only one side of a frame of the collapsible wheelchair such that a side–to–side collapsibility of the frame of the collapsible wheelchair is significantly unimpeded by the brake mechanism. The brake mechanism may be movable between an engaged position that generally inhibits rolling movement of the wheelchair and a disengaged position permitting free rolling movement of the wheelchair in response to movement of structure on the one side of the frame of the collapsible wheel chair between a first position when

the wheelchair is occupied and a second position when the wheelchair is unoccupied.

0) WO06003385A1 – LOAD HANDLING DEVICE DISPOSITIF DE MANUTENTION...

126) Family number: 30871341 (WO06003385A1) © PatBase

Title: LOAD HANDLING DEVICE

Priority: GB20040014673 20040630

Family:

Publication number	Publication date	Application number	Application date
GB200414673 A0	20040804	GB20040014673	20040630
GB200513334 A0	20050803	GB20050013334	20050629
GB2415681 A1	20060104	GB20050013334	20050629
WO06003385 A1	20060112	WO2005GB02546	20050629

Probable Assignee: REINERT HANS MARTIN

Assignee(s):(std)**:** GLIDE RITE PRODUCTS LTD ; LANGRIDGE JOHN ; REINERT HANS MARTIN

Assignee(s): GLIDE RITE PRODUCTS LIMITED

Inventor(s):(std)**:** LANGRIDGE JOHN

Inventor(s): JOHN LANGRIDGE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9)**:** A61G3/00 A61G3/02 B60P1/43 B60P1/64 (Advanced/Invention); A61G3/00 B60P1/00 B60P1/64 (Core/Invention)

International class (IPC 1–7)**:** A61G3/00 B60P1/64 B60P3/12 B60P7/08

CPC: A61G3/00 A61G3/02 B60P1/435 B60P1/6454

European class: A61G3/00 A61G3/02 B60P1/43E B60P1/64C4

Classification Explorer

Cited documents: WO9616867 A1, WO03051668 A1, WO0200466 A1, US5092722 A, US4883402 A, US3685673 A, US3272546 A, GB2366782 A1, GB2236518 A1, GB2212473 A1, GB1374222 A, EP1205347 A2, EP0618105 A1, DE3621366 A1, DE2225021 A1, DE1655233 A1,

Forward Citations: WO16007290, USD533558, NL1039038, FR3023709, EP2974704, EP2570103,

Abstract:
There is described an apparatus for moving a load (42) into a vehicle, the load handling apparatus comprising a track (5) laid in the vehicle load bed (4), along which a traveller (13) is drivable by means of a motor or other actuator. The traveller (13) has a load–engaging element (25) which is movable between a retracted position and an extended position. In the extended position, the element can be attached to a load so that the load can be drawn or pushed by the traveller. The load-–engaging element may be entirely within the track (5) when retracted. In the preferred embodiment, the load-–engaging element is a ball and the load is provided with an inverted cup (40) which is engagable with the ball (25) to transmit force from the traveller to the load. The loading–engaging element may be moved from its retracted to its extended positions, and vice versa, by cam surfaces (20, 20a, 20b) positioned within the track so as to lift of lower the load–engaging element as the traveller passes along the track. The apparatus is particularly suitable for use in ambulances, for loading and unloading patients from stretchers. An ambulance fitted with the load handling device may comprise a secondary catch (50) device for engaging a rear end of the stretcher as the stretcher is drawn into the' ambulance, so as to locate the stretcher in a transit position within the ambulance.

0) FR2873635B – SYSTEME DE RAMPE D'ACCES A UN QUAI POUR MATERIE...

127) Family number: 32613255 (FR2873635B) © PatBase

Title: SYSTEME DE RAMPE D'ACCES A UN QUAI POUR MATERIEL ROULANT, NOTAMMENT FERROVIAIRE

Priority: FR20040051757 20040802

Family:

Publication number	Publication date	Application number	Application date
FR2873635 A1	20060203	FR20040051757	20040802
FR2873635 B1	20060922	FR20040051757	20040802

Probable Assignee: CEIT ENTPR S SOC PAR ACTIONS S

Assignee(s):(std)**:** CEIT ENTPR S SOC PAR ACTIONS S

Assignee(s): CEIT ENTREPRISES ; CEIT ENTREPRISES SOC PAR ACTIONS SIMPLIFIEE ; CEIT ENTREPRISES SOCIETE PAR ACTIONS SIMPLIFIEE

Inventor(s):(std)**:** SIBOUT MICHEL

Inventor(s): MICHEL SIBOUT

Agent(s): BLETRY AND ASSOCIES

International class (IPC 8–9)**:** A61G3/06 B60P1/43 B61D47/00 (Advanced/Invention); A61G3/00 B60P1/00 B61D47/00 (Core/Invention)

International class (IPC 1–7)**:** A61G3/06 B60P1/43

CPC: A61G3/061 B60P1/43 B61D23/025

European class: A61G3/06A B60P1/43 B61D23/02B

Classification Explorer

Cited documents: DE8604875 U, DE19503079 A1,

Forward Citations: WO11151246, US7908976, KR101503063, FR3035366, FR2976891, FR2951683, FR2918339, EP3085598, EP2316706, EP2011714, DE102014206184,

Abstract:
The system has a ramp (2) rotatably tilting around an axle connected to a frame work and a ramp (3) sliding relative to the unit (2). The ramp (2) has an optical sensor (38) to acquire positions of reflecting units (35, 35`) connected to railway platforms (4, 4`) and to allow its correct angular position. The ramp (3) has an electro–mechanical sensor (32) to sense the edge of platforms such that it is deployed till the platforms.

0) US2006085919A – DYNAMIC CELLULAR PERSON SUPPORT SURFACE

128) Family number: 32653993 (US2006085919A) © PatBase

Title: DYNAMIC CELLULAR PERSON SUPPORT SURFACE

Priority:

US20040601924P 20040816 US20040611407P 20040920 US20050204609 20050816
US20050204632 20050816 US20050204633 20050816 US20090472220 20090526
US20090575182 20091007 US20050643321P 20050112 US20050659540P 20050308
WO2005US29229 20050816 WO2005US29075 20050816 WO2005US29075 20050816
WO2005US29229 20050816 WO2005US28992 20050816 US20110046812 20110314
US20110286528 20111101 US20120708419 20121207

Family:

Publication number	Publication date	Application number	Application date
AU2005277503 AA	20060302	AU20050277503	20050816
AU2005277535 AA	20060302	AU20050277535	20050816
AU2005277594 AA	20060302	AU20050277594	20050816
EP1788912 A2	20070530	EP20050786750	20050816
EP1789278 A2	20070530	EP20050790116	20050816
EP1802219 A2	20070704	EP20050790108	20050816
JP2008509790 T2	20080403	JP20070527917T	20050816
JP2008509793 T2	20080403	JP20070527936T	20050816
JP2008514243 T2	20080508	JP20070527967T	20050816
US2006085919 AA	20060427	US20050204632	20050816
US2006087097 AA	20060427	US20050204633	20050816
US2006087158 AA	20060427	US20050204609	20050816
US2009236165 AA	20090924	US20090472220	20090526
US2010022926 AA	20100128	US20090575182	20091007
US2011163575 AA	20110707	US20110046812	20110314
US2012043794 AA	20120223	US20110286528	20111101
US2013099546 AA	20130425	US20120708419	20121207
US7409735 BB	20080812	US20050204632	20050816
US7537069 BB	20090526	US20050204633	20050816
US7600817 BB	20091013	US20050204609	20050816
US7905306 BB	20110315	US20090472220	20090526
US8328283 BB	20121211	US20090575182	20091007
US8414074 BB	20130409	US20110286528	20111101
US8419124 BB	20130416	US20110046812	20110314
US8662595 BB	20140304	US20120708419	20121207
WO06023447 A2	20060302	WO2005US28992	20050816
WO06023447 A3	20070419	WO2005US28992	20050816
WO06023479 A2	20060302	WO2005US29075	20050816
WO06023479 A3	20071206	WO2005US29075	20050816
WO06023479 C1	20070329	WO2005US29075	20050816
WO06023539 A2	20060302	WO2005US29229	20050816
WO06023539 A3	20090409	WO2005US29229	20050816

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std): DAVID SCHWANEMANN ; DAVID ULRICH ; DANIEL ULRICH ; DOUGLAS BORGMAN ; DAHNEKE MARSHALL S ; KRAMER KENNETH L ; GANANCE FRANCIS C ; HARDY RUSSELL L ; MILLER JOHN D ; GAAG FRANZ ; KOLOSKI PETER A ; LOTHROP THORNTON K ; GAAG FRANZ R ; MARSHALL DAHNEKE ; KENNETH KRAMER ; JOHN BIONDO ; JOHN MILLER ; HILL ROM SERVICES INC ; ACTON TROY D ; BERGER RYAN R ; BIONDO JOHN P ; BORGMAN DOUGLAS E ; SCHWANEMANN DAVID T ; SCHULTZ SCOTT A ; ULRICH DAVID J ; ULRICH DANIEL J ; TEUFEL RAINER B ;

REED WILCOX ; THORNTON LOTHROP ; RAINER TEUFEL ; PETER KOLOSKI ; RYAN BERGER ; WILCOX REED N

Assignee(s): FRANZ GAAG ; HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC INDIANA CORPORATION ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** ACTON TROY D ; BERGER RYAN R ; BIONDO JOHN P ; BORGMAN DOUGLAS E ; DAHNEKE MARSHALL S ; HARDY RUSSELL L ; GAAG FRANZ ; GAAG FRANZ R ; GANANCE FRANCIS C ; KOLOSKI PETER A ; KRAMER KENNETH L ; MILLER JOHN D ; LOTHROP THORNTON K ; SCHWANEMANN DAVID T ; TEUFEL RAINER B ; SCHULTZ SCOTT A ; ULRICH DANIEL J ; ULRICH DAVID J ; WILCOX REED N

Inventor(s): ACTON TROY ; WILCOX REED ; ULRICH DAVID ; SCHWANEMANN DAVID ; THORNTON K LOTHROP ; TROY D ACTON ; ULRICH DANIEL ; SCOTT A SCHULTZ ; TEUFEL RAINER ; MARSHALL S DAHNEKE ; MILLER JOHN ; PETER A KOLOSKI ; RAINER B TEUFEL ; REED N WILCOX ; RUSSELL L HARDY ; RYAN R BERGER ; SCHULTZ SCOTT ; LOTHROP THORNTON ; KRAMER KENNETH ; HARDY RUSSELL ; GANANCE FRANCIS ; JOHN D MILLER ; JOHN P BIONDO ; KENNETH L KRAMER ; KOLOSKI PETER ; DANIEL J ULRICH ; DAVID J ULRICH ; DAVID T SCHWANEMANN ; DOUGLAS E BORGMAN ; FRANCIS C GANANCE ; FRANZ GAAG ; DAHNEKE MARSHALL ; BORGMAN DOUGLAS ; BIONDO JOHN ; BERGER RYAN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; ISSHIKI AND CO; BARNES AND THORNBURG; BARNES AND THORNBURG LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A47B83/02 A47C1/00 A47C1/02 A47C1/024 A47C1/034 A47C1/035 A47C13/00 A47C16/00 A47C20/00 A47C20/02 A47C20/04 A47C27/08 A47C27/10 A47C27/14 A47C4/00 A47C7/00 A47C7/02 A47C7/14 A47C7/34 A47C7/40 A47C7/50 A47C7/54 A47C7/62 A47C7/68 A47C7/72 A47C7/74 A47K13/00 A47K13/10 A47K17/02 A47K3/28 A47K4/00 A61G12/00 A61G5/00 A61G5/04 A61G5/10 A61G7/00 A61G7/05 A61H15/00 A61H15/02 A61H3/04 A61H7/00 B60K1/02 B60N2/00 B60N2/02 B68G5/00 E03D11/00 E03D11/02 E03D9/08 F16H25/16 (Advanced/Invention); A47C27/10 A47C27/14 (Advanced/Non–invention); A47C1/031 A47C16/00 A47C20/00 A47C27/08 A47C27/10 A47C27/14 A47C4/00 A47C7/00 A47C7/02 A47C7/14 A47C7/40 A47C7/54 A47C7/62 A47C7/72 A61G5/00 A61G7/00 A61G7/05 A61H15/00 A61H7/00 B60N2/00 B60N2/02 B68G5/00 (Core/Invention); A47C27/10 A47C27/14 (Core/Non–invention)

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European class: A47C1/022 A47C1/023 A47C1/029 A47C1/03 A47C1/032 A47C1/035 A47C1/035B A47C1/035D A47C1/036 A47C27/08A4 A47C27/08A6 A47C27/10 A47C3/38 A47C31/00R A47C31/12C A47C7/02B A47C7/50 A47C7/54 A47C7/62 A47C7/70 A47C7/72 A47C7/72B A47C7/74H A47K13/10 A47K17/02B A47K17/02B1 A47K17/02D A47K3/00B2 A47K3/00C A47K3/12A A47K3/28B A47K3/28B1 A61G5/00 A61G5/04A2 A61G5/04A6 A61G5/06A A61G5/10 A61G7/015 A61G7/057K1 A61G7/10N6 A61G7/10N8 A61G7/10P4 A61G7/10P8 A61G7/10S6 A61G7/10T10 A61G7/10Z10C A61G7/10Z10F B66B9/08B B66B9/08B1 B66B9/08D K61G200/32 K61G200/32B K61G200/34 K61G200/36 K61G200/52 K61G203/14 K61G203/32 K61G203/34 K61G203/40 K61G210/70 K61G210/90 K61G5/00C K61G5/04A6 K61G5/08A4 K61G5/08R K61G5/10S14 K61G5/10S2 K61G5/10Z7 K61G5/12E K61G5/12H K61G5/14 K61G7/05 K61G7/05W1 K61G7/10A2 K61G7/10A6 K61G7/10N4 K61G7/10N6 K61G7/10N8 K61G7/10P4

K61G7/10P8 K61G7/10R K61G7/10T10 K61G7/10Z10C K61G7/10Z10F K61G7/16 K61G7/16A K61H201/01J K61H3/04A

US class: 180/200 180/21 180/65.1 180/65.100S 180/907 187/200 224/407 224/407S 280/250.1 280/304.1 280/304.100P 297/116 297/144 297/144P 297/173 297/180.1 297/180.100S 297/180.14 297/180.140S 297/188.14 297/188.19 297/217.1 297/217.100S 297/217.4 297/217.400S 297/217.6 297/217.600S 297/284.1 297/284.100S 297/284.11 297/284.3 297/284.300P 297/29 297/29P 297/312 297/338 297/344.12 297/354.1 297/354.13 297/362.12 297/362.13 297/411.3 297/411.300S 297/411.32 297/411.320S 297/411.36 297/411.37 297/423.19 297/423.34 297/423.36 297/68 297/DIG.1 297/DIG.10 340/573.1 340/573.100S 5/709 5/710 5/710S 5/713 5/713P 5/714 601/148 601/148P 74/89.34

Classification Explorer

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Forward Citations: WO17073103, WO16075599, WO15124897, WO15100408, WO15067954, WO15062789, WO14102436, WO14077473, WO14018612, WO13076628, WO10138375, WO10082369, WO10029338, WO09131746, WO09124236, WO09124105, WO09089167, WO09084064, WO08135579, WO08135579, WO08034037, WO08034037, USRE44584, USD785360, USD777461, USD776949, USD759395, USD759394, USD736023, USD733452, USD690424, US9725177, US9717344, US9713559, US9711029, US9700149, US9655797, US9629473, US9603453, US9591995, US9575126, US9555890, US9554955, US9526665, US9526346, US9504328, US9499079, US9486079, US9474375, US9463124, US9451833, US9451831, US9433546, US9414980, US9403598, US9375372, US9375088, US9358168, US9358167, US9351890, US9333136, US9327943, US9326606, US9321424, US9314105, US9295338, US9241571, US9237814, US9226593, US9216122, US9198521, US9173797, US9173794, US9173793, US9161633, US9155388, US9150462, US9149126, US9138067, US9128474, US9120574, US9107507, US9084710, US9084486, US9073464, US9066602, US9044366, US9044365, US9031673, US9030331, US9016790, US9010851, US9010787, US8979191, US8955178, US8931846, US8926535, US8915544, US8911387, US8910334, US8910331, US8909378, US8909357, US8893338, US8882190, US8869328, US8868244, US8863338, US8856992, US8851518, US8844961, US8832885, US8832884, US8826479, US8813285, US8800078, US8777313, US8768520, US8745786, US8732875, US8713727, US8682457, US8677535, US8662595, US8651569, US8621693, US8621688, US8620615, US8618400, US8607901, US8607388, US8598893, US8596389, US8578527, US8565934, US8531307, US8511406, US8474921, US8474076, US8453283, US8419124, US8414074, US8397326, US8375488, US8365330, US8341786, US8328283, US8327477, US8307481, US8215311, US8196240, US8191681, US8179254, US8150562, US8122545, US8113579, US8104126, US8102270, US8102258, US8078337, US8078336, US8069512, US8059000, US8050805, US8046117, US8046116, US8046115, US8046114, US8039769, US8037563, US8033571, US8032960, US8032263, US8024828, US8019486, US7979169, US7971300, US7950498, US7937791, US7849544, US7841667, US7823967, US7789086, US7752926, US7740015, US7708344, US7681265, US7657956, US7469436, US2016275785, US2016075535, US2016023763, US2016022043, US2016022039, US2015175387, US2015164719, US2015128352, US2015108817, US2015076882, US2015034169, US2014101841, US2014097648, US2014091745, US2014046231, US2014028067, US2014026326, US2014020186, US2014020185, US2013328366, US2013278032, US2013154314, US2013140782, US2013119738, US2013068566, US2013002001, US2012306252, US2012286557, US2012192358, US2012160577, US2012157896, US2012153687, US2012126601, US2012090095, US2012057685, US2012036646, US2012032478, US2012025571, US2012004789, US2011265898, US2011218684, US2011185509, US2011185503, US2011163885, US2011163575, US2011084578, US2011068939, US2011047709, US2011031787, US2010325796, US2010308846, US2010301640, US2010229310, US2010205750, US2010199432, US2010146709, US2010132116, US2010109410, US2010044154, US2010038941, US2010004567, US2009288548, US2009250991, US2009139029, US2009121660, US2009100604, US2009100599, US2009093912, US2009056020, US2009000027, US2008307582, US2008264722, US2008238159, US2008196166, US2008143521, US2008133089, US2008127418, US2008120779, US2008120778, US2008120776, US2008117042, US2008115282, US2008115277, US2008115276, US2008115275, US2008104761, US2008104760, US2008104759, US2008104758, US2008104757, US2008104756, US2008104755, US2008104754, US2008104750, US2008092294, US2008078033, US2008066988, US2008052837, US2008035156, US2008034501, US2008028533, US2007144933, US2006229770, US2003208849, RU2622782, NL2004554, NL1034682, KR101327507, JP5479370, JP2014523332, JP2014121365, JP2012517379, JP2011512191, JP2011177502, JP2011005249, JP2010125280, JP2010070358, JP2009226109, JP2009219817, JP2009219702, JP2009172151, JP2009112462, JP2009095375, JP2008284159, JP2008279063, JP2008200084, JP2008055178, JP2006204561, ITRM20130606, GB2534290, GB2479861, GB2479861, GB2472920, GB2472920, FR2917278, EP3170485, EP3159264, EP3045158, EP3015098, EP2954883, EP2818149, EP2753282, EP2702972, EP2702904, EP2702904, EP2689756, EP2578116, EP2578115, EP2557968, EP2557968, EP2532281, EP2359791, EP2305198, EP2279719, EP2269547, EP2247223, EP2208486, EP2189142, EP2047832, EP1989970, EP1884224, CN105705065, CN104783538, CN104783537, CN104146520, CN103945802, CN103565624, CN103565623, CN103565165, CN102317111, CN102150092, AU2009238556, AU2008350277,

Abstract:
Source: US2006085919A A person support surface comprises a multitude of inflatable cells. The cells are inflated and deflated to adjust an interface pressure between the person support surface and a person supported by the surface.

0) US2006096029A – HOSPITAL BED

129) Family number: 33496240 (US2006096029A) © PatBase

Title: HOSPITAL BED

Priority: US19990173428P 19991229 US20000750741 20001229 US20000750859 20001229 US20000751031 20001229 US20020408698P 20020906 US20050257438 20051024 US20030731720 20031209 US20030648053 20030826 US20030657696 20030908 US20020409748P 20020911 US20030489171P 20030722 US20030490467P 20030728

Family:

Publication number	Publication date	Application number	Application date
US2006096029 AA	20060511	US20050257438	20051024
US7454805 BB	20081125	US20050257438	20051024

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std)**:** OSBORNE EUGENE E ; KOENIG JOHN W ; SUTTMAN GLENN C ; VISCA MATTHEW ; WILKER JACK JR ; WELLING JEFFREY R ; KRAMER KENNETH L ; VALVANO DEAN M ; KINKER ROBERT A JR ; BRANSON GREGORY W ; DICKMAN BRUCE E JR ; FINDLAY JAMES K ; GANANCE FRANCIS C ; HILL ROM SERVICES INC ; JACQUES WILLIAM L II

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** BRANSON GREGORY W ; DICKMAN BRUCE E JR ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; JACQUES II WILLIAM L ; JACQUES WILLIAM L II ; KINKER JR ROBERT A ; KINKER ROBERT A JR ; KOENIG JOHN W ; KRAMER KENNETH L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VALVANO DEAN M ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JACK JR ; WILKER JR JACK

Inventor(s): WILKER JACK ; WELLING JEFFREY ; VALVANO DEAN ; SUTTMAN GLENN ; OSBORNE EUGENE ; KRAMER KENNETH ; KINKER ROBERT AJR ; KOENIG JOHN ; KINKER ROBERT ; KINKER ROBERT A ; JACQUES WILLIAM LII ; JACQUES WILLIAM ; JACQUES WILLIAM L ; GANANCE FRANCIS ; FINDLAY JAMES ; DICKMAN BRUCE EJR ; DICKMAN BRUCE ; DICKMAN BRUCE E ; BRANSON GREGORY

Agent(s): INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP; BARNES AND THORNBURG LLP

International class (IPC 8–9): A47C21/08 A61G7/00 A61G7/015 A61G7/05 A61G7/075 A61H23/02 (Advanced/Invention); A61G7/012 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non–invention)

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G7/015 A61G7/012 A61G7/0507 A61G2203/34 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

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US class: 5/600 5/600S 5/613 5/618 5/618P

Classification Explorer

Cited documents: USRE39049 E, USRE38968 E, USRE35201 E, US7296312 BB, US7171708 BB, US7017210 BB, US7017208 BB, US7000272 BB, US6978500 BB, US6957461 BB, US6910236 BB, US6880189 BB, US6829793 BB, US6826793 BB, US6791460 BB, US6789280 BA, US6691346 BB, US6684427 BB, US6668408 BB, US6658680 BB, US6611979 BB, US6560798 BB, US6496993 BB, US6486792 BA, US6481688 BA, US6473921 BB, US6438776 BB, US6397416 BB, US6352240 BA, US6336235 BA, US6320510 BB, US6212714 BA, US6208250 BA, US6185767 BA, US6182310 BA, US6163903 A, US6038718 A, US6008598 A, US5906017 A, US5906016 A, US5878452 A, US5802640 A, US5737781 A, US5732423 A, US5715548 A, US5708997 A, US5577280 A, US5542136 A, US5422521 A, US5365623 A, US5279010 A, US5255403 A, US5245718 A, US5235258 A, US5230113 A, US5222132 A, US5205004 A, US5191663 A, US5175897 A, US5161274 A, US5160010 A, US5105486 A, US5097550 A, US5072463 A, US4953243 A, US4862529 A, US4847929 A, US4821351 A, US4680790 A, US4675926 A, US4612679 A, US4484367 A, US4324010 A, US4195829

A, US4183015 A, US4038709 A, US3977664 A, US3916461 A, US3665528 A, US3233255 A, US3220021 A, US3184765 A, US2008010748 AA, US2006168731 AA, US2006168730 AA, US2006162079 AA, US2006096029 AA, US2006075560 AA, US2005172405 AA, US2005000020 AA, US2003115672 AA,

Forward Citations: WO11144185, WO11088169, WO10044843, USRE43532, USRE43193, USD770332, USD751000, USD749014, USD742794, USD729702, USD729132, US9700247, US9662256, US9655798, US9597244, US9555778, US9510982, US9498068, US9489818, US9465389, US9381125, US9364870, US9326907, US9301622, US9295600, US9259371, US9248062, US9241858, US9233039, US9233033, US9220651, US9220650, US9205010, US9177465, US9174249, US9173797, US9126571, US9125779, US9101516, US9089459, US9052718, US9009893, US9005101, US8887329, US8886383, US8847756, US8830070, US8752222, US8701229, US8640287, US8640285, US8634981, US8621688, US8593284, US8537008, US8525682, US8516637, US8495774, US8474072, US8464380, US8438680, US8432287, US8418786, US8400311, US8397327, US8393026, US8344860, US8341779, US8327480, US8327479, US8286282, US8266743, US8266742, US8258963, US8151387, US8127380, US8117697, US8100061, US8091162, US7979931, US7978084, US7962981, US7926131, US7904978, US7845032, US7788748, US7779493, US7757317, US7703158, US7669259, US7657953, US7610637, US7543887, US7533429, US7520006, US7506390, US7464425, US7454805, US7406731, US7296312, US7171708, US2014197654, US2014109317, US2014034061, US2014013512, US2013168987, US2012144587, US2012124745, US2012042451, US2011272200, US2011227303, US2011225734, US2011162145, US2011162141, US2011138537, US2011138534, US2010293718, US2010287705, US2010101026, US2010073168, US2010064439, US2009313758, US2008289108, US2008201851, US2008122269, US2007180616, US2007169268, US2007143922, US2007130692, US2007017029, US2006168730, US2006162079, US2006075560, US2006026768, US2005172405, JP5770745, JP2013517057, EP3058869, EP2508128, EP2489341, EP2460503, EP2450019, EP2450019, AU2011205363,

Abstract:
Source: US2006096029A A bed for a person is provided. The bed includes a frame, a deck including a seat section and a foot section movable relative to the seat section. The bed further including a mechanism that control movement of the foot section relative to the seat section.

0) US2006182581A – PORTABLE WHEELCHAIR LIFT

130) Family number: 33212875 (US2006182581A) © PatBase

Title: PORTABLE WHEELCHAIR LIFT

Priority: US20050045436 20050128

Family:

Publication number	Publication date	Application number	Application date
US2006182581 AA	20060817	US20050045436	20050128
US7395900 BB	20080708	US20050045436	20050128

Probable Assignee: LITTEE YOHANN

Assignee(s):(std)**:** LITTEE YOHANN ; MURRAY RICHARD

Inventor(s):(std)**:** MURRAY RICHARD ; LITTEE YOHANN

Agent(s): STEVEN FISCHMAN SCULLY MURPHY AND PRESSER PLAZA STE 300; SCULLY SCOTT MURPHY AND PRESSER PC

International class(IPC 8–9)**:** B60P1/00 B66B9/08 B66B9/16 (Advanced/Invention)

CPC: A61G3/063 B66B9/0869

European class: B66B9/08G K61G3/06C

US class: 187/200 187/201 187/202 187/240 187/242 187/243 414/541

Classification Explorer

Cited documents: US866475 A, US6533070 BA, US6371449 BA, US6182798 BA, US5947231 A, US5584363 A, US5269227 A, US5105913 A, US4793437 A, US4458785 A, US4183423 A, US4015686 A, US336414 A, US2757756 A, US2005098387 AA,

Forward Citations: WO17031587, WO14085943, WO06019880, US9708162, US9469507, US9382101, US9327943, US9284054, US9051156, US8973713, US8783419, US8739935, US8146713, US8006751, US7546869, US7370725, US7293607, US2015375965, US2015175387, US2014251733, US2014196988, US2012325960, US2011174579, US2011169236, US2008093176, US2008038093, US2006011351, TWI471236, ITBO20130288, DE102011052497, CN103358860, CN103358860, CN103153832, CN103153832,

Abstract:
Source: US2006182581A Systems and methods for lifting a wheelchair in non–residential indoor facilities. Guide rails extend from a wheeled–base and include a bearing and transmission system for raising and lowering a platform on which a wheelchair occupant travels. The bearing system is powered by a hydraulic cylinder with a cable or chain connected to the bearing system. The chain or cable traverses over idler pulleys at various positions about the guide rails and connects to the bearing system at one end and to one of the guide rails at another end. As the hydraulic cylinder is operated, the lifting cable translates the bearing system linearly through the guide rails, which in turn lifts the platform to a desired level. The platform may be adjusted to maintain a generally level orientation even as the guide rails are tilted to accommodate inclinations. Additional outriggers and/or supports may be provided to increase balance and stability of the lift. The weight of the wheeled–base is generally significantly greater than the combined weight of all other components of the lift in order to also provide increased balance and stability to the lift, especially when the guide rails are tilted to accommodate a staircase or other inclined situation.

0) US2006207838A – CENTRIFUGAL BRAKES FOR WHEELS

131) Family number: 33367306 (US2006207838A) © PatBase

Title: CENTRIFUGAL BRAKES FOR WHEELS

Priority: US20050080290 20050315 US20060379499 20060420

Family:

Publication number	Publication date	Application number	Application date
US2006207838 AA	20060921	US20060379499	20060420
US2006207841 AA	20060921	US20050080290	20050315
US7464797 BB	20081216	US20060379499	20060420

Probable Assignee: JARVIS PEMCO INC

Assignee(s):(std): CLINE GERALD L ; JARVIS PEMCO INC ; KIDD MICHAEL T

Assignee(s): GENERAL ELECTRIC CAPITAL AGENT AS CORP ; JARVIS AND PEMCO INC ; ANTARES CAPITAL LP

Inventor(s):(std): CLINE GERALD L ; KIDD MICHAEL T

Inventor(s): CLINE GERALD ; KIDD MICHAEL

Agent(s): BARNES AND THORNBURG LLP; SCOTT C HARRIS; MILLER CANFIELD; ENGLING TIMOTHY J; TIMOTHY J

International class (IPC 8–9): B60B33/00 F16D59/00 (Advanced/Invention); B60T8/72 (Advanced/Non–invention); B60B33/00 F16D59/00 (Core/Invention)

CPC: B60B33/0021 B60B33/0028 B60B33/0039 B60B33/0049 B60B33/0057 B60B33/0068 B60B33/0073 B60B33/0086 B60B33/021

European class: B60B33/00B4B B60B33/00C B60B33/00E2 B60B33/00F2 B60B33/00F8 B60B33/00G4A B60B33/00G4C B60B33/00H6 B60B33/02B

US class: 188/1.12 188/1.120P 188/181A 188/184 188/185 188/82.8

Classification Explorer

Cited documents: US6899212 BB, US6374954 BA, US6332513 BA, US6076839 A, US6076639 A, US6070701 A, US5785154 A, US5607030 A, US5579873 A, US5456336 A, US5002163 A, US4941549 A, US4848522 A, US4678087 A, US4323047 A, US4159667 A, US3987832 A, US3623575 A, US3589632 A, US2005220869 AA, US2002179104 AA,

Forward Citations: WO14165150, WO12116175, WO12116175, USD728920, US9498402, US9469325, US9186932, US9080660, US9079594, US8616573, US8602176, US2016288777, US2015352899, US2013193745, US2013025984, US2005229961, CN104963968, CN104963968,

Abstract:
Source: US2006207838A A wheel assembly having a braking mechanism that is actuated by centrifugal force. The braking mechanism includes a rotating hub insert having a first pocket, a thread guard having a second pocket fixed relative to the frame of the wheel assembly, and an internal ball between the rotating hub insert and the thread guard. The internal ball can be flung by centrifugal force from the first rotating pocket to the second fixed pocket to cause a braking force from contact of the ball in the second pocket with the rotating hub insert. The amount of centrifugal force required to fling the ball into the second pocket can be calculated for rotation of the wheel greater than a certain predetermined speed.

0) FR2887504B – RAMPE ESCAMOTABLE D'ACCES A UN VEHICULE, VEHICU...

132) Family number: 34113544 (FR2887504B) © PatBase

Title: RAMPE ESCAMOTABLE D'ACCES A UN VEHICULE, VEHICULE DE TRANSPORT PUBLIC NOTAMMENT

Priority: FR20050006531 20050628

Family:

Publication number	Publication date	Application number	Application date
FR2887504 A1	20061229	FR20050006531	20050628
FR2887504 B1	20080808	FR20050006531	20050628

Probable Assignee: METALIC SARL

Assignee(s):(std)**:** METALIC SARL

Assignee(s): METALIC SOC A RESPONSABILITE LIMITEE ; METALIC SOCIETE A RESPONSABILITE LIMITEE

Inventor(s):(std)**:** DAVANTURE GILLES ; SALVAT LAURENT

International class (IPC 8–9): A61G3/06 B60P1/43 (Advanced/Invention); A61G3/00 B60P1/00 (Core/Invention)

CPC: A61G3/061 B60P1/431 A61G3/067

European class: A61G3/06A B60P1/43A

Classification Explorer

Cited documents: WO9806370 A1, WO0202043 A1, US5253410 A, GB2369344 A1, GB2322353 A1, EP1470959 A1, EP1291278 A2, EP1078813 A2, EP0870706 A1, DE19747939 A1,

Forward Citations: US7971891, FR3009525, FR2962030, FR2931406, EP2851240, EP2810632, EP2401994, EP2123511, EP1946735, EP1857085, EP1857085, CN104958148,

Abstract:
Source: FR2887504B The ramp has a panel (1) movable between a horizontal stowing position in which it is housed in a protection case (2) and an inclined utilization position in which it is extracted outside the case. The case has a middle compartment (6) housing the panel and lateral cases (5) each comprising lateral adjacent compartments housing panel handling units such as connecting rods (14), pad (24) and its guide rail (25), chain, drive wheel (18), free wheel (19) and fastening bolts. The panel has a front edge with a flexible mass which rests on the ground when the panel is in the utilization position.

0) US2007059441A – SYSTEM, METHOD, AND COMPOSITION FOR ADHERING PE...

133) Family number: 34296405 (US2007059441A) © PatBase

Title: SYSTEM, METHOD, AND COMPOSITION FOR ADHERING PERFORMED THERMOPLASTIC TRAFFIC CONTROL SIGNAGE TO PAVEMENT

Priority: US20050226838 20050914

Family:

Publication number	Publication date	Application number	Application date
US2007059441 AA	20070315	US20050226838	20050914
US8317956 BB	20121127	US20050226838	20050914

Probable Assignee: FLINT TRADING INC

Assignee(s):(std)**:** LKF INC ; GREER ROBERT W

Assignee(s): RENO A AND E LLC ; WILMINGTON TRUST NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; SUNTRUST BANK ; FLINT TRADING INC ; FLINT ACQUISITION CORP ; GCI CAPITAL MARKETS LLC ADMINISTRATIVE AGENT AS ; HOTTAPE ACQUISITION LLC ; PRECISION SCAN LLC ; ANTARES CAPITAL LP ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGE ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; EBERLE DESIGN INC ; ENNIS PAINT INC

Inventor(s):(std)**:** GREER ROBERT W

Inventor(s): GREER ROBERT

Agent(s): GUERRY LEONARD GRUNE; GUERRY L; EPATENTMANAGERCOM

International class (IPC 8–9)**:** B05C1/16 B05D5/00 B41M5/00 B44C1/17 E01C11/24 E01C17/00 E01C5/00 E04B2/00 E04F13/00 G03G7/00 (Advanced/Invention); E01C11/24 (Core/Invention)

CPC: Y10T428/24802 E01F9/512

European class: E01F9/04B2

US class: 156/71 427/136 427/136P 428/195.1

Classification Explorer

Cited documents: WO9855525 A1, WO03064771 A1, US6787596 BA, US6780459 BB, US6679650 BB, US6623188 BA, US6521718 BB, US6350823 BA, US6096416 A, US5985986 A, US5962144 A, US5759695 A, US5391015 A, US5189075 A, US5173560 A, US4960620 A, US4539345 A, US4532274 A, US4118376 A, US2004185231 AA, US2003109644 AA, US2002016421 AA, US2002004116 AA, JP3029404 B4, JP3029404 B2, EP1119587 B1,

Forward Citations: WO17007621, WO16036601, WO14070229, US9639583, US9361816, US9311831, US9011619, US8920066, US8028491, US2015296040, US2014042700, US2012177931, US2010313502, US2010028688,

Abstract:
Source: US2007059441A The present invention relates to a method for adhering detectable warning devices, pavement markings and preformed traffic control devices (turn arrows, stop bars) that are hydrocarbon or alkyd thermoplastic in nature to an uncured or "green" concrete substrate providing permanent adhesion for detectable warning devices, pedestrian and traffic control markings.

0) US2007084648A – WHEELCHAIR HAVING UNITIZED CHASSIS

134) Family number: 34392431 (US2007084648A) © PatBase

Title: WHEELCHAIR HAVING UNITIZED CHASSIS

Priority: US20050251123 20051014

Family:

Publication number	Publication date	Application number	Application date
US2007084648 AA	20070419	US20050251123	20051014
WO07047444 A2	20070426	WO2006US40104	20061013
WO07047444 A3	20070726	WO2006US40104	20061013

Probable Assignee: MOBILIFE

Assignee(s):(std)**:** DUFRESNE STEVEN D ; KEIDL CHRISTOPHER DARIO ; MOBILIFE

Inventor(s):(std)**:** DUFRESNE STEVEN D ; KEIDL CHRISTOPHER D ; KEIDL CHRISTOPHER DARIO

Agent(s): REINHART BOERNER VAN DEUREN PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60K1/00 (Advanced/Invention); A61G5/04 (Advanced/Non–invention); A61G5/00 B60K1/00 (Core/Invention)

CPC: A61G2203/42 A61G5/1059 A61G5/045 A61G5/10

European class: A61G5/10S2 K61G5/04A6 K61G5/10

US class: 180/65.1 180/65.100 180/65.100P 180/907

Classification Explorer

Cited documents: US6695081 BB, US6325167 BA, US6179076 BA, US5601302 A, US5592997 A, US5265689 A, US5112076 A, US5111899 A, US5011175 A, US4993736 A, US4934723 A, US4886288 A, US4862997 A, US4613151 A, US4193147 A, US3882949 A, US3123400 A, US2982336 A, US2902696 A, US2850075 A, US2005151360 AA, US2002149168 AA, US2001002081 AA,

Forward Citations: WO15095221, WO14043784, US9713560, US9700472, US9566200, US9504618, US9351889, US9033360, US2016213541, US2016106607, US2015231002, US2015202102, US2014262566, US2008133089, EP2907694, DE102014001984, DE102014001984, CN105342771,

Abstract:
Source: US2007084648A Enhanced stability of a wheelchair having a lift mechanism is provided, through utilization of a support apparatus including a unitized chassis for operatively connecting a seat and wheels of the wheelchair. A tilt sensor and controller preclude operation of the wheelchair with the seat in raised position while the wheelchair is resting on or traversing an uneven or sloping surface.

0) US2007095560A – CABLE PROTECTION SYSTEM

135) Family number: 34433971 (US2007095560A) © PatBase

Title: CABLE PROTECTION SYSTEM

Priority: US20050263099 20051031 US20060605602 20061129 US20070957279 20071214

Family:

Publication number	Publication date	Application number	Application date
US2007095560 AA	20070503	US20050263099	20051031
US2007095561 AA	20070503	US20060605602	20061129
US2008093102 AA	20080424	US20070957279	20071214
US7309836 BB	20071218	US20050263099	20051031
US7385139 BB	20080610	US20060605602	20061129
US7592547 BB	20090922	US20070957279	20071214
WO07053418 A2	20070510	WO2006US41766	20061026
WO07053418 A3	20090507	WO2006US41766	20061026

Probable Assignee: PETERSON SYSTEMS INT INC

Assignee(s):(std)**:** PETERSON SYSTEMS INT ; LUBANSKI THOMAS M ; PETERSON SYSTEMS INTERNATIONAL

Assignee(s): CHECKERS INDUSTRIAL PRODUCTS LLC ; MADISON CAPITAL FUNDING LLC AGENT AS ; PETERSON SYSTEMS INT INC ; PETERSON SYSTEMS INTERNATIONAL INC

Inventor(s):(std)**:** LUBANSKI THOMAS M

Inventor(s): LUBANSKI THOMAS

Agent(s): L GRANT FOSTER HOLLAND AND HART LLP; HOLLAND AND HART LLP; HOLLAND AND HART

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E01B7/28 H01B7/00 H02G3/00 H02G3/04 H02G3/30 (Advanced/Invention); E01B7/00 H01B7/00 H02G3/00 H02G3/04 H02G3/30 (Core/Invention)

CPC: H02G3/0418 H02G3/0487 H02G3/34 H02G9/02 H02G9/04 Y10T403/7117

European class: H02G3/04A3 H02G3/04H4 H02G3/34 H02G9/02 H02G9/04

US class: 104/275 138/155 14/69.5 174/101 174/135 174/68.1 174/72C 174/97 403/387

Classification Explorer

Cited documents: USD437832 S1, USD436578 S1, USD429695 S1, USD418818 S1, USD415471 S1, USD415112 S1, USD412490 S1, US883186 A, US7309836 BB, US72028 A, US7145079 BA, US7145078 BB, US6878881 BA, US6747212 BA, US6499410 BA, US6498297 BB, US6481036 BA, US6202565 BA, US5933898 A, US585540 A, US5777266 A, US5566622 A, US5446937 A, US5267367 A, US5095822 A, US4819910 A, US4817224 A, US4677799 A, US4373306 A, US4192062 A, US4101100 A, US4067258 A, US3965967 A, US3888186 A, US3878317 A, US3725580 A, US3118017 A, US2927396 A, US2594425 A, US2299356 A, US2166031 A, US2079274 A, US2027619 A, US2002038716 AA, US1914830 A, DE20012041 U1, DE20012041,

Forward Citations: WO16027053, WO16000689, WO16000688, WO14194369, WO10011508, USD763414, USD719519, USD714175, USD714174, US9618720, US9438022, US9353586, US9279221, US9174113, US9059574, US8791363, US8641811, US8436245, US8342211, US8288652, US8196244, US8119914, US7943851, US7939759, US7838772, US7810197, US7795535, US7674980, US7633010, US7595450, US7592547, US7531746, US2017089068, US2015329123, US2014237739, US2014190722, US2014041936, US2014020927, US2011114389, US2011079429, US2010224388, US2010050348, US2010018742, US2009294016, US2009283298, US2009260846, US2009255712, US2009194328, US2008093102, US2007248412,

US2007246259, US2007138349, US2007137878, GB2538116, GB2499371, DE202015100946, DE202014102976, DE102014006184,

Abstract:
Source: US2007095560A A cable protection system includes at least one cable protector having at least one channel extending between its opposing ends for receiving at least one cable. The cable protector may include a cover structure pivotally attached to a base member by a hinge rod inserted through hinge members formed in the cover structure and the base member. A first ramp or an additional cable protector may be attached to the cable protector by inserting one or more connectors formed on the first ramp or additional cable protector into vertically oriented apertures defined in a side of the cable protector. One or more connectors may also be formed on a side of the cable protector opposing the apertures to removably attach the cable protector to a second ramp or an additional cable protector.

0) WO07113501A1 – IMPROVED LIFT SOULEVATEUR AMELIORE

136) Family number: 33061483 (WO07113501A1) © PatBase

Title: IMPROVED LIFT

Priority: GB20060006437 20060331

Family:

Publication number	Publication date	Application number	Application date
GB200606437 A0	20060510	GB20060006437	20060331
WO07113501 A1	20071011	WO2007GB01159	20070330

Probable Assignee: SUCKLING ROSS E

Assignee(s):(std)**:** BEARNE MARK ; ELEVATED DESIGNS LTD ; SUCKLING ROSS E ; SUCKLING ROSS EWAN

Assignee(s): ELEVATED DESIGNS LIMITED

Inventor(s):(std)**:** BEARNE MARK ; SUCKLING ROSS EWAN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 (Advanced/Invention); A61G3/00 (Core/Invention)

CPC: A61G3/062 A61G2220/16 A61G3/06 A61G3/067

European class: A61G3/06

Classification Explorer

Cited documents: US5672041 A, US4718812 A, US2001048872 AA, NL1021891 C2, FR2878433 A1, ES2155791 AA,

Forward Citations: TWI340637, KR101212451,

Abstract:
A lift for lifting a reduced mobility user into a vehicle is described. The lift comprises lifting apparatus adapted to be mounted at or adjacent an entrance of a vehicle, the entrance being suitable for use by an able bodied user and a substantially horizontal platform coupled to the lifting apparatus. The lifting apparatus is adapted to move the platform, in use, through the entrance between a first position, external of the vehicle, and a second, elevated, position within the vehicle.

0) SE200600814A – KAELKE FOER EN RULLSTOLSBUNDEN ANVAENDARE

137) Family number: 40863358 (SE200600814A) © PatBase

Title: KAELKE FOER EN RULLSTOLSBUNDEN ANVAENDARE

Priority: SE20060000814 20060411

Family:

Publication number	Publication date	Application number	Application date
SE200600814 A	20071012	SE20060000814	20060411
SE200600814 L	20071012	SE20060000814	20060411
SE530074 C2	20080226	SE20060000814	20060411

Probable Assignee: ROENNBAECK GUSTAV

Assignee(s):(std)**:** ROENNBAECK GUSTAV

Assignee(s): GUSTAV ROENNBAECK

Inventor(s):(std)**:** ROENNBAECK GUSTAV

Inventor(s): GUSTAV ROENNBAECK

International class (IPC 8–9): A61G5/10 B62B19/00 (Advanced/Invention); A61G5/00 B62B19/00 (Core/Invention)

CPC: A61G5/10 B62B19/00

Classification Explorer

Abstract:
Source: SE200600814A The sledge comprises an undercarriage with runners and including fasteners for securing the front and back wheels of the wheelchair into position. A first stop bar on the top side of the undercarriage prevents forward movement of the back wheel and a number of second stops also on the top side of the undercarriage extend transverse to the sledge length direction and prevent forward movement of the front wheel.

0) US2007246259A – TAPERED TRANSITION RAMP FOR CABLE PROTECTOR

138) Family number: 40747843 (US2007246259A)

© PatBase

Title: TAPERED TRANSITION RAMP FOR CABLE PROTECTOR

Priority: US20060379442 20060420 US20070691311 20070326 US20090489304 20090622 US20090508037 20090723 US20120653237 20121016 US20090423967 20090415

Family:

Publication number	Publication date	Application number	Application date
US2007246259 AA	20071025	US20070691311	20070326
US2007248412 AA	20071025	US20060379442	20060420
US2009194328 AA	20090806	US20090423967	20090415
US2009255712 AA	20091015	US20090489304	20090622
US2009283298 AA	20091119	US20090508037	20090723
US2013037322 AA	20130214	US20120653237	20121016
US7595450 BB	20090929	US20070691311	20070326
US7674980 BB	20100309	US20060379442	20060420
US7795535 BB	20100914	US20090489304	20090622
US7838772 BB	20101123	US20090508037	20090723
US8288652 BB	20121016	US20090423967	20090415
US8791363 BB	20140729	US20120653237	20121016
WO07126623 A2	20071108	WO2007US06846	20070319
WO07126623 A3	20080410	WO2007US06846	20070319

Probable Assignee: CHECKERS IND PRODUCTS LLC

Assignee(s):(std)**:** LUBANSKI THOMAS M ; CHECKERS IND PRODUCTS LLC ; PETERSON SYSTEMS INTERNATIONAL ; PETERSON SYSTEMS INT

Assignee(s): CHECKERS INDUSTRIAL PRODUCTS LLC ; MADISON CAPITAL FUNDING LLC AGENT AS ; PETERSON SYSTEMS INT INC ; PETERSON SYSTEMS INTERNATIONAL INC

Inventor(s):(std)**:** LUBANSKI THOMAS M

Agent(s): HOLLAND AND HART LLP; HOLLAND AND HART

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E01C19/00 E01D1/00 E01D15/12 H01B7/00 H01B7/18 H01R4/00 H01R4/50 H02G15/08 H02G3/04 H02G3/30 H02G9/00 H02G9/02 H02G9/04 (Advanced/Invention); H01B7/00 H01R4/00 (Advanced/Non–invention); E01C19/00 E01D1/00 E01D15/00 H01B7/00 H02G3/04 H02G3/30 (Core/Invention); H01B7/00 (Core/Non–invention)

CPC: H02G15/08 H02G9/00 H02G9/02 H02G9/04 H01R4/00 H02G9/025

European class: H02G9/02B

US class: 104/275 14/69.5 174/101 174/135 174/68.1 174/72.00C 174/72.00RP 174/72C 174/72R 174/97 404/16 404/35 404/40 404/83

Classification Explorer

Cited documents: USD583771 S1, USD437832 S1, USD436578 S1, USD429695 S1, USD418818 S1, USD415471 S1, USD415112 S1, USD412490 S1, US883186 A, US8288652 BB, US7674980 BB, US7595450 BB, US7592547 BB, US7591605 BB, US7385139 BB, US7309836 BB, US7203412 BB, US72028 A, US7145079 BA, US7145078 BB, US6993801 BB, US6878881 BA, US6747212 BA, US6654977 BA, US6498297 BB, US6481036 BA, US6202565 BA, US6067681 A, US5933898 A, US585540 A, US5777266 A, US5566622 A, US5446937 A, US5267367 A, US5095822 A, US4819910 A,

US4817224 A, US4697294 A, US4677799 A, US4468910 A, US4373306 A, US4192062 A, US4101100 A, US4067258 A, US406 A, US3965967 A, US3888186 A, US3878317 A, US3725580 A, US3118017 A, US2927396 A, US2594425 A, US2299356 A, US2166031 A, US2079274 A, US2027619 A, US2009194328 AA, US2006245828 AA, US2005074223 AA, US2002038716 AA, US1914830 A, DE20012041 U1,

Forward Citations: WO16000688, WO09090198, USD763414, USD735435, USD719519, USD717248, USD714175, USD714174, USD682502, USD673658, USD663092, US9673601, US9605388, US9438022, US9353586, US9279221, US9174113, US9059574, US8921697, US8791363, US8641811, US8635728, US8496397, US8342211, US8288652, US8168888, US8099813, US8001643, US7838772, US2017089068, US2017059802, US2015214704, US2015110554, US2014237739, US2014041936, US2014020927, US2013037322, US2012277012, US2011114389, US2010290835, US2010229783, US2010065328, US2009283298, GB2538116, GB2499371, DE202015100946, DE202014102976, DE102014006184, CN103532079, CN102751666,

Abstract:
Source: US2007246259A An exemplary ramp structure capable of being positioned over at least a portion of a cable protection system comprises a center portion, a first side ramp portion adjacent a side of the center portion, and a first tapered portion adjacent an end of the first side ramp portion. The first tapered portion may be tapered in both a first direction and a second direction that is substantially orthogonal to the first direction. The first tapered portion may be integrally formed with the first side ramp portion and the first side ramp portion may be integrally formed with the center portion. An exemplary cable protection system is also disclosed comprising a first cable protector structured to receive one or more cables, a first side ramp adjacent a side of the first cable protector, and a first tapered structure pivotally attachable to an end of the first side ramp.

0) US2007298949A – LOWER EXTREMITY EXERCISE DEVICE

139) Family number: 40997587 (US2007298949A) © PatBase

Title: LOWER EXTREMITY EXERCISE DEVICE

Priority: US20060473587 20060622 US20080070935 20080222

Family:

Publication number	Publication date	Application number	Application date
US2007298949 AA	20071227	US20060473587	20060622
US2008167166 AA	20080710	US20080070935	20080222
US7537555 BB	20090526	US20080070935	20080222

Probable Assignee: SOLETSKI MICHAEL M

Assignee(s):(std)**:** SOLETSKI MICHAEL M

Inventor(s):(std)**:** SOLETSKI MICHAEL M

Agent(s): WILHELM LAW SERVICE SC; WILHELM LAW SERVICE; CONNELLY THOMAS J; THOMAS J

International class (IPC 8–9)**:** A63B22/16 A63B23/08 A63B23/10 A63B26/00 (Advanced/Invention); A63B22/00 A63B23/04 A63B26/00 (Core/Invention)

CPC: A63B22/16 A61H1/0266 A61H2209/00 A63B23/085 A63B2208/0233

European class: A61H1/02L5 A63B22/16 A63B23/08B K63B208/02E2

US class: 482/142 482/146 482/79 482/80

Classification Explorer

Cited documents: USD499456 S1, USD420407 S1, USD418563 S1, USD405845 S1, USD319084 S1, USD315584 S1, USD276062 S1, USD264987 S1, USD255372 S1, USD227584 S1, USD202796 S1, USD189826 S1, USD178996 S1, US7137938 BB, US6945920 BA, US6830539 BB, US6543769 BA, US6461285 BA, US6447429 BA, US6203473 BA, US5984841 A, US5897474 A, US5730690 A, US5643164 A, US5496248 A, US5330399 A, US5232419 A, US5190506 A, US4817950 A, US4801140 A, US4759542 A, US4705272 A, US4501421 A, US3967820 A, US3612520 A, US3485493 A, US3416792 A, US3361427 A, US3279794 A, US3262701 A, US3201120 A, US3188087 A, US3107914 A, US2950120 A, US2941801 A, US2830816 A, US2714007 A, US246458 A, US2374730 A, US2253996 A, US2005282684 AA, US2004259704 AA, US2002142894 AA, US2001016544 AA, US1911572 A, US1497243 A, GB2233570 A1,

Forward Citations: USD734412, US9700756, US9539468, US9364709, US8864633, US7951056, US7695407, US2016325135, US2014206511, US2012088633, US2011098163, US2008096730, GB2507337,

Abstract:
Source: US2007298949A A portable, compact lower extremity exercise device, suitable for exercising feet and legs of the user while the user is sitting or standing with his/her heels on the floor or ground. The device is adapted and configured to be used where foot space is limited, such as at a desk, a work table, or in an airliner seat. The bottom of the exercise device has first and second sides, and a rocking surface between the sides and proximate the middle of the device. Foot ramps at the top of the device, are spaced from each other and angled downwardly toward the front of the device, thus downwardly toward the user. The working unit can be suspended in a frame, and the frame supported from the floor. The device is used by rocking the device back and forth under the user's feet.

0) US2008073863A – STEP CLIMBING WHEELCHAIR

140) Family number: 41630908 (US2008073863A) © PatBase

Title: STEP CLIMBING WHEELCHAIR

Priority: CA20062560637 20060922 CA20072581578 20070307

Family:

Publication number	Publication date	Application number	Application date
CA2560637 AA	20080322	CA20062560637	20060922
CA2581578 AA	20080322	CA20072581578	20070307
US2008073863 AA	20080327	US20070684421	20070309
US7540504 BB	20090602	US20070684421	20070309

Probable Assignee: EHMAN MIKE

Assignee(s):(std)**:** EHMAN MIKE ; MAINIL COLBY ; MAINIL DENNIS

Inventor(s):(std)**:** EHMAN MIKE ; MAINIL COLBY ; MAINIL DENNIS

Agent(s): FURMAN AND KALLIO; MACPHERSON LESLIE AND TYERMAN LLP; PATTERSON THUENTE SKAAR AND CHRISTENSEN PA

International class (IPC 8–9): A61G5/06 B62B5/02 (Advanced/Invention); A61G5/00 B62B5/02 (Core/Invention)

CPC: A61G5/02 A61G5/068

European class: A61G5/02 A61G5/06D

US class: 280/5.2 280/5.3 280/5.32 280/52

Classification Explorer

Cited documents: US6554086 BA, US5228709 A, US4455029 A, US4222449 A, US4119163 A, US3976152 A, US3573877 A,

Forward Citations: WO09080346, US8650710, US8539640, US8490994, US8262117, US8240691, US8177248, US2013009372, US2011127748, US2009278325, US2009174168, US2009045002, US2008169136, KR101233585,

Abstract:
Source: US2008073863A A step climbing wheelchair apparatus includes right and left lift anus, and a longitudinal slot defined in a middle portion of each lift arm. The rear wheel axles of the wheelchair extend through the slot and a fastener is attached to secure each lift aim on the corresponding axle such that each lift arm can slide longitudinally perpendicular to the axle. The lift anus are configured such that when in an extended position rear step ends of the lift arms are located rearward of the outer rim of the rear wheel, and the front ends are located generally forward of the outer rim of the rear wheel. A front lift mechanism provides a lift lever operative to push a lift wheel downward to raise the front caster wheels of the wheelchair.

0) DE202006017590U1 – VERSTELLBARE DRAINAGEROST–HALTERUNG ADJUSTABLE...

141) Family number: 41701229 (DE202006017590U1) © PatBase

Title: Verstellbare Drainagerost–Halterung Adjustable drainage grate support (Machine translation)

Priority: DE200620017590U 20061117

Family:

Publication number	Publication date	Application number	Application date
DE202006017590 U1	20080327	DE200620017590U	20061117

Probable Assignee: GUTJAHR WALTER

Assignee(s):(std)**:** GUTJAHR WALTER

International class (IPC 8–9): E03F5/06 E04D13/04 (Advanced/Invention)

CPC: E04D11/007 E04D13/0445

European class: E04D11/00D1 E04D13/04B30

Classification Explorer

Cited documents: EP0802287 B1, DE9313697 U, DE7805375 U, DE20302899 U1, DE20017032 U1, DE19942577 A1, CH688482,

Abstract:
Source: DE202006017590U1 (Claim 1) 1 Verstellbare Halterung (10) fuer Drainageroste (12)zur Entwaesserung von auf der Rohbauplatte eines Balkons oder einer Terrassevorgesehenen Belaegen mit einem Rahmen (14, 16, 34) zur Aufnahme eines oder mehrerer Drainageroste (12), welcherueber Stuetzfuesse (38) mit jeweils einem an seinem rahmenabgewandtenunteren Ende mit einer Fussplatte (35) versehenen Schaft (36)auf der gegebenenfalls mit einer Abdichtung versehenen Oberseite der Rohbauplatteoder dem Boden eines Entwaesserungskanals abstuetzbar ist, wobei der mitGewinde versehene Schaft (36) der Stuetzfuesse (38)in jeweils eine einem an der Unterseite des Rahmens parallel zum Drainagerost (12)verschieblich angeordneten, im Wesentlichen plattenfoermigen Schiebestueck(28) zugeordneten Gewindeaufnahme eingeschraubt und durch Verdrehen derSchaefte (36) in der Gewindeaufnahme der Abstand derFussplatte (35) zur Unterseite des Rahmens der Halterung (10)veraenderbar ist, dadurch gekennzeichnet, dass die Gewindeaufnahmen (66)fuer den Gewindeschaft (36) der Stuetzfuesse in jeweilseinem gesonderten, um eine horizontale Achse verschwenkbar an der Unterseite desSchiebestuecks gehalterten Stuetzfuss–Traegerkopf (58)vorgesehen sind, und dass das jeweilige Schiebestueck (28) in dem demoberen freien Ende des Schafts (36) eines Stuetzfusses (38)gegenueberliegenden Bereich mit einer Aussparung (54) versehen ist,durch welches ein Werkzeug zum Verdrehen des Schafts (36) am Schaftendeansetzbar ist. (Claim 1) 1 adjustable mounting plate (10) for drainage rust (12) for the drainage linings with a framework (14, 16, 34), terrace–intended by on the carcass plate of a balcony or, for the admission one or several drainage rust (12), some over stands (38) with in each case a shank (36) on the top side of the Rohbauplatteoder the soil of a conduit–type sewer, provided provided at its frame–turn away–lower end with a baseplate (35), if necessary with a sealing is supportable, whereby the along threads provided shank (36) of the stands (38) into in each case one, an essentially plattenfoermigen arranged relocatable at the lower surface of the framework parallel to the drainage rust (12) Sliding piece (28) of assigned thread admission screwed in and by rotating that shanks (36) in the thread admission the distance that baseplate (35) to the lower surface of the framework of the mounting plate (10) changeable is characterized, by the fact that the thread photographs (66) are intended for the thread shank (36) of the stands in in each case one separated, over a horizontal axle tiltable at the lower surface of piece of the pushing go–aged stand carrier head (58), and that the respective sliding piece (28) is provided in the that–upper free end of the shank (36) of a stand (38) opposite range with a recess (54), by which a tool for rotating the shank (36) at the shaft end setting bar is.

0) US2008081988A – MRI APPARATUS AND MRI METHOD USING SUCH APPARAT...

142) Family number: 41657881 (US2008081988A) © PatBase

Title: MRI APPARATUS AND MRI METHOD USING SUCH APPARATUS

Priority: EP20060121574 20060929 EP20080160660 20060929

Family:

Publication number	Publication date	Application number	Application date
AT418738 E	20090115	AT20060121574T	20060929
DE602006004456 D1	20090205	DE200660004456T	20060929
EP1906195 A1	20080402	EP20060121574	20060929
EP1906195 B1	20081224	EP20060121574	20060929
EP1978372 A2	20081008	EP20080160660	20060929
EP1978372 A3	20081015	EP20080160660	20060929
ES2318684 T3	20090501	ES20060121574T	20060929
US2008081988 AA	20080403	US20070902867	20070926

Probable Assignee: ESAOTE SPA

Assignee(s):(std)**:** ESAOTE SPA

Assignee(s): ESAOTE S P A

Inventor(s):(std)**:** BIGLIERI EUGENIO ; SATRAGNO LUIGI

Agent(s): KARAGHIOSOFF GIORGIO ALESSANDRO; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO RS SE SI SK TR YU

International class (IPC 8–9): A61B5/055 G01R33/38 (Advanced/Invention); A61B5/055 (Core/Invention)

CPC: A61B5/0555 A61B5/6804 A61B5/702 A61B5/704 A61B6/04 A61B6/0407 A61B6/0478 G01R33/34084 G01R33/341 G01R33/3806

European class: A61B5/055B A61B5/68B1D A61B5/70J A61B5/70K A61B6/04 A61B6/04A A61B6/04K G01R33/341 G01R33/38F S01R33/34G

US class: 600/410 600/410P

Classification Explorer

Cited documents: WO05124380 A2, WO05096927 A1, WO05076026 A1, US7015460 BB, US6934574 BA, US6828792 BA, US6617852 BA, US6414490 BA, US6346814 BA, US6023166 A, US6011396 A, US5905378 A, US5850143 A, US5680861 A, US5343862 A, US4920318 A, US2006279284 AA, US2005187459 AA, US2005049483 AA, US2004030241 AA, US2003184294 AA, US2002151788 AA, JP9131332 A2, JP6181907 A2, JP3106335 A2, JP2200243 A2, JP2006136388 A2, JP11318848 A2, JP02200243, EP913122, EP0984293 A1, EP0931505 A2, EP0913122 A1, EP0753758 A1, EP0424808 A1, EP0121367 A2,

Forward Citations: WO12168869, US7646199, US2008211498, EP3151025, EP2578148, EP2110680,

Abstract:
Source: US2008081988A A MRI apparatus comprising a magnet structure which delimits a cavity in or through which a body under examination or a part thereof is received, and which includes means for generating a magnetic field in said cavity, as well as means for causing the body under examination or the part thereof to emit nuclear magnetic resonance signals and means for receiving said nuclear magnetic resonance signals. In a first aspect of the invention, the magnet structure delimits a cavity whose shape provides at least one access opening through which patients can access said cavity by simply walking therein. The invention includes means for positioning and supporting a patient in several different postures within the patient receiving space and particular signal receiving means and patient stressing means suitable for the apparatus with the above features.

0) US2008085176A – VEHICLE ACCESSORY HOIST

143) Family number: 41698253 (US2008085176A) © PatBase

Title: VEHICLE ACCESSORY HOIST

Priority: US20060542803 20061004

Family:

Publication number	Publication date	Application number	Application date
US2008085176 AA	20080410	US20060542803	20061004

Probable Assignee: STATKUS SEAN C

Assignee(s):(std)**:** STATKUS SEAN C

Inventor(s):(std)**:** STATKUS SEAN C

Agent(s): RICHARD D CLARKE LAW OFFICE OF RICHARD D CLARKE

International class (IPC 8–9)**:** B60P9/00 (Advanced/Invention); B60P9/00 (Core/Invention)

CPC: B60R9/06 B60P3/07 B60P3/122

European class: B60P3/07 B60P3/12A

US class: 414/462

Classification Explorer

Cited documents: US6364597 BB, US6129371 A, US5540540 A, US5527146 A, US5469998 A, US5456564 A, US4013303 A, US3897895 A, US3664687 A, US3545791 A, US2005254925 AA,

Forward Citations: USD729142, US9381867, US9227544, US8985933, US8931359, US8696295, US8464603, US7992682, US2016090017, US2015291076, US2013192396, US2013068054, US2012294700, US2011286823, US2010124479, US2009159368, US2009020577, EP3135539,

Abstract:
Source: US2008085176A This invention relates to the field of devices used at the rear of a vehicle to carry accessories, such as bicycles, motorcycles, wheelchairs, electric carts, lawn care and construction equipment and a wide variety of other items that will not fit within the confines of the vehicle. It is directed to a vehicle accessory hoist providing a high strength, multipurpose compact device that will raise or lower an accessory carrier inserted into one or more universal hoist receivers to an elevated position keeping the centerline of the receivers horizontal at all times and can be easily removed from one vehicle and installed on another. The vehicle accessory hoist has a pair of primary support arms along with a pair of secondary support arms that are parallel mounted on a device frame and inclined equally, or otherwise, to their apex where they attach to a hoist receiver unit and are actuated by one or more actuating mechanisms. The hoist receiver is the same configuration as the conventional trailer hitch receiver used on vehicles allowing it to be used for a variety of existing accessory carriers which are readily available in worldwide commercial markets.

0) US2009306741A – SYSTEMS AND METHODS FOR ALTERING BRAIN AND BODY...

144) Family number: 41773742 (US2009306741A) © PatBase

Title: SYSTEMS AND METHODS FOR ALTERING BRAIN AND BODY FUNCTIONS AND FOR TREATING CONDITIONS AND DISEASES OF THE SAME

Priority: US20060854676P 20061026 US20070925391 20071026 WO2007US82681 20071026

Family:

Publication number	Publication date	Application number	Application date
EP2081636 A2	20090729	EP20070854447	20071026
EP2081636 A4	20101222	EP20070854447	20071026
US2009306741 AA	20091210	US20070925391	20071026
WO08052166 A2	20080502	WO2007US82681	20071026
WO08052166 A3	20080703	WO2007US82681	20071026
WO08052166 C2	20080904	WO2007US82681	20071026

Probable Assignee: WICAB INC

Assignee(s):(std)**:** HOGLE RICHARD ; LEDERER SCOTT ; WICAB INC

Inventor(s):(std)**:** HOGLE RICHARD ; LEDERER SCOTT

Agent(s): GLAWE DELFS MOLL; CASIMIR JONES SC; SISK TYLER J ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/11 A61N1/00 A61N1/34 A61N1/36 (Advanced/Invention); A61B5/11 A61N1/00 A61N1/32 A61N1/36 (Core/Invention)

CPC: A61N1/36103 A61N1/36025 A61N1/36082 A61N1/37282 G06F3/011 G06F3/013 G06F3/015

European class: A61N1/36Z A61N1/36Z3E A61N1/36Z3G G06F3/01B G06F3/01B4 G06F3/01B8 K61N1/36E K61N1/36E6 K61N1/372D8R

US class: 600/595 600/595S 607/54 607/54P

Classification Explorer

Cited documents: WO05051329 A2, WO05040989 A2, US85467606 P, US7463929 BB, US7352356 BB, US7309128 BB, US7145461 BB, US6943754 BB, US6748275 BB, US6546291 BB, US6430459 BA, US6430450 BA, US6429196 BA, US6421185 BA, US6401249 BB, US6366813 BA, US6326901 BA, US6314324 BA, US6267733 BA, US6219578 BA, US6077237 A, US6063046 A, US5919149 A, US5878154 A, US5833714 A, US5749372 A, US5627237 A, US5591216 A, US5368042 A, US5337757 A, US5335657 A, US5304112 A, US5303715 A, US5209240 A, US5052406 A, US5035500 A, US5026151 A, US4938476 A, US4830024 A, US4817633 A, US4817628 A, US4813419 A, US4667676 A, US4558703 A, US4503863 A, US4305402 A, US4092633 A, US3952728 A, US2009326604 AA, US2008009772 AA, US2006241718 AA, US2006204045 AA, US2006161218 AA, US2006058619 AA, US2006045287 AA, US2005240253 AA, US2004249302 AA, US2004215236 AA, US2004127954 AA, US2004068481 AA, US2004057013 AA, US2004005859 AA, US2003199944 AA, US2003149450 AA, US2003117371 AA, US2002103429 AA, US2002072781 AA, US2002026219 AA, US2002010497 AA,

Forward Citations: WO17029563, WO16200432, WO16089752, WO15177682, WO15114629, WO13172935, WO13172935, WO13134330, WO12131667, WO12078945, WO12069429, WO12003451, WO12003451, WO11094262, US9724483, US9717920, US9693928, US9675777, US9669213, US9662391, US9649469, US9622684, US9610029, US9564059, US9560967, US9522278, US9504788, US9468538, US9449150, US9389431, US9380976, US9358361, US9352157, US9339645, US9339441, US9301711, US9282927, US9272157, US9272139, US9269132, US9265458, US9239906, US9124979, US9117363, US9084550, US9064036, US9039630, US9030505, US9026369, US9011352, US8992468, US8983593, US8942797, US8930208, US8892259, US8882679, US8876688, US8855822, US8768484, US8738395,

US8725529, US8712794, US8706518, US8694330, US8682687, US8639702, US8620442, US8615407, US8606592, US8606316, US8540660, US8529463, US8517954, US8517729, US8372020, US8351894, US8343079, US8343065, US8130262, US7935065, US2016022167, US2016015289, US2015220144, US2015057719, US2014222382, US2014127666, US2013310899, US2013307762, US2013278396, US2013123568, US2013103703, US2013090562, US2013072812, US2013066323, US2011237974, US2011230791, US2011230783, US2011230782, US2011184490, US2011184306, US2011152711, US2011092249, US2011066067, US2010222099, US2010177179, US2010169260, US2010169259, US2010168602, US2010168529, US2010164729, US2010163041, US2010163040, US2010163039, US2010163038, US2010163037, US2010163036, US2010163035, US2010163034, US2010163033, US2010163029, US2010163028, US2010163027, US2010163026, US2010163025, US2010163024, US2010163020, US2010130811, US2010069724, US2009271121, US2009271120, TWI591343, KR101475144, JP2015525088, JP2015525088, FR3020955, EP2849840, EP2658491, EP2658491,

Abstract:
Source: US2009306741A The present invention relates to systems and methods for management of brain and body functions and sensory perception. For example, the present invention provides systems and methods of sensory substitution and sensory enhancement (augmentation) as well as motor control enhancement. The present invention also provides systems and methods of treating diseases and conditions, as well as providing enhanced physical and mental health and performance through sensory substitution, sensory enhancement, and related effects.

0) WO08128725A1 – STAIR LIFT HUBTREPPE ESCALIER ELEVATEUR

145) Family number: 42394586 (WO08128725A1) © PatBase

Title: STAIR LIFT

Priority: DE200710018756 20070420 EP20080735330 20080418 WO2008EP03147 20080418

Family:

Publication number	Publication date	Application number	Application date
AT549286 E	20120315	AT20080735330T	20080418
DE102007018756 A1	20081023	DE200710018756	20070420
DE102007018756 B4	20090910	DE200710018756	20070420
DE502008006691 D1	20120510	DE200850006691T	20080418
DK2144836 T3	20120618	DK20080735330T	20080418
EP2144836 A1	20100120	EP20080735330	20080418
EP2144836 B1	20120314	EP20080735330	20080418
WO08128725 A1	20081030	WO2008EP03147	20080418

Probable Assignee: REINHOLD GUNTER

Assignee(s):(std)**:** REINHOLD GUNTER

Assignee(s): REINHOLD GUNTER DIPL ING

Inventor(s):(std)**:** REINHOLD GUNTER

Agent(s): MUELLER HOFFMANN AND PARTNER PATENTANWAELTE MBB; HOFFMANN JOERG PETER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 B66B9/08 B66F7/06 B66F7/08 E04F11/04 (Advanced/Invention); B66B9/06 (Core/Invention)

CPC: B66B9/0869 E04F11/02 E04F11/18

European class: B66B9/08G E04F11/02 E04F11/18

Classification Explorer

Cited documents: WO9400373 A1, US5632357 A, US4457402 A, ES2192450 AA, EP1600416 A1,

DE202004011686 U1

Forward Citations: WO13156761, WO12118386, US9091083, DE102015007005, DE102011109900, DE102010005298, DE102009056220,

Abstract:
The present invention relates to a stair lift (1) for overcoming height differences (D) formed by at least two height levels (N1, N2). The stair lift (1) comprises at least one lift platform (HP, HP1, HP2) and at least one stair body (TK, TK1, TK2). The stair platform (HP, HP1, HP2) and the platform surface (PF, PFl, PF2) can be moved between at least two states. In said states, the respective platform surface (PF, PFl, PF2) is vertically flush with a first level (N1) or a second level (N2). Using sliding steps (S, S1–S6) and a coupling (K) to the respective lift platform (HP, HP1, HP2) and to the movement of the platform surface (PF, PFl, PF2), either a staircase (TL) connecting the levels (N1, N2) or a surface (TF) that is vertically flush with one of the levels (N1, N2) and the platform surface (PF, PFl, PF2), is formed.

0) DE102007017337B3 – ACCELERATION DEVICE FOR BALL–SHAPED OBJECTS, HA...

146) Family number: 42437918 (DE102007017337B3) © PatBase

Title: ACCELERATION DEVICE FOR BALL–SHAPED OBJECTS, HAS RAMP, WHICH BENT TOWARDS BASE AND COMPRISES TWO PARALLEL BARS AND RAMP IS ANGULARLY ADJUSTED AROUND AXIS RUNNING PARALLEL TO BARS

Priority: DE200710017337 20070412

Family:

Publication number	Publication date	Application number	Application date
DE102007017337 B3	20081030	DE200710017337	20070412

Probable Assignee: JANNEK MATTHIAS

Assignee(s):(std)**:** JANNEK MATTHIAS ; KREILINGER KORBINIAN

Inventor(s):(std)**:** JANNEK MATTHIAS ; KREILINGER KORBINIAN

International class (IPC 8–9)**:** A61G5/10 A63D3/02 A63D5/00 (Advanced/Invention)

CPC: A61G5/10 A63D3/02 A63D5/00

European class: A61G5/10 A63D5/00 K63D3/02

Classification Explorer

Cited documents: WO0072928, US6227981, US4441710, US2002072425,

Abstract:
The acceleration device has a ramp, which bent towards the base and comprises two parallel bars (1). The ramp is angularly adjusted around an axis running parallel to the bars by bush bearing arranged on the axis. The acceleration device is installed in a wheelchair or a walking aid. The two bars are steplessly mounted on a base frame (2) in a height adjustable manner.

0) WO08138138A1 – WHEELCHAIR FAUTEUIL ROULANT

147) Family number: 42525773 (WO08138138A1) © PatBase

Title: WHEELCHAIR

Priority: US20070917757P 20070514

Family:

Publication number	Publication date	Application number	Application date
WO08138138 A1	20081120	WO2008CA00931	20080514

Probable Assignee: ZARRY MYRON JOHN

Assignee(s):(std)**:** ZARRY MYRON JOHN

Inventor(s):(std)**:** ZARRY MYRON JOHN

Agent(s): PILLAY KEVIN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/00 A61G5/06 A61G7/14 B64D11/06 (Advanced/Invention); A61G5/00 A61G7/10 B64D11/00 (Core/Invention)

CPC: B64D11/0696 A61G5/10 A61G5/1059 A61G7/1015 A61G7/1042 A61G7/1051 A61G7/1067 A61G2220/10 B64D11/06 B64D2011/0092

European class: A61G5/10 A61G5/10S2 A61G7/10N2 A61G7/10T2 A61G7/10V4 B64D11/06 K61G220/10 K61G7/10S2 L64D11/00L6

Classification Explorer

Cited documents: US4669943 A, US2004177441 AA, US2003000013 AA, EP0739194 A1,

Forward Citations: FR2952613,

Abstract:
The present disclosure relates to a wheelchair for use in an aircraft for transferring a person with restricted mobility (PRM) to a seat of the aircraft located adjacent the wheelchair. The wheelchair has a base with a base rail that has a horizontal surface arranged in the transfer direction. A support frame bears against the horizontal surface and includes an attachment support structure extending partially over the base to support the PRM. An extension rail can be connected to the wheelchair adjacent the base rail to form a contiguous surface that the support frame can move along. The extension rail may be placed in front of or behind the seat to allow the PRM to be transferred from the wheelchair to the seat.

0) US2011011907A – DEVICES FOR SECURING PERSONAL–TRANSPORT VEHICLE...

148) Family number: 42781977 (US2011011907A) © PatBase

Title: DEVICES FOR SECURING PERSONAL–TRANSPORT VEHICLES TO MOUNTING SURFACES

Priority: US20070949166P 20070711 US20080667810 20080711 WO2008US69772 20080711

Family:

Publication number	Publication date	Application number	Application date
CA2695140 AA	20090115	CA20082695140	20080711
EP2176090 A1	20100421	EP20080781683	20080711
IL203170 A0	20101031	IL20080203170	20080711
US2011011907 AA	20110120	US20080667810	20080711
WO09009726 A1	20090115	WO2008US69772	20080711

Probable Assignee: FREEDOM MOBILITY LLC

Assignee(s):(std)**:** COOK TECHNOLOGIES INC D B A FREEDOM LIFT CORP ; ELDON JAMES B ; MCCLANAHAN DAVID D ; PANZARELLA THOMAS A ; FREEDOM SCIENCES LLC ; COOK TECHNOLOGIES INC D B A FR

Assignee(s): ANTARES CAPITAL LP ; FREEDOM MOBILITY LLC ; GENERAL ELECTRIC CAPITAL AGENT CORP AS ; HARMAR ACCESS LLC ; HARMAR MOBILITY LLC ; HARMAR SUMMIT LLC ; GENERAL ELECTRIC CAPITAL AGENT AS CORP ; US BANK NATIONAL ASSOCIATION

Inventor(s):(std)**:** ELDON III JAMES B ; ELDON JAMES B ; ELDON JAMES B III ; MCCLANAHAN DAVID D ; PANZARELLA THOMAS A

Agent(s): BOYCE CONOR; FOX ROTHSCHILD LLP; CARROLL FRANK T

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 A61G3/08 B60R B60R7/00 B60R9/00 (Advanced/Invention); A61G3/00 B60R7/00 (Core/Invention)

CPC: A61G3/0808 A61G3/062

European class: A61G3/06 A61G3/08

US class: 224/407

Classification Explorer

Cited documents: US7229238 BB, US7108466 BB, US7104740 BB, US6837666 BA, US6692215 BA, US6685403 BB, US6474916 BB, US6352396 BA, US6231283 BA, US6224131 BA, US5713704 A, US5628595 A, US5489170 A, US5344265 A, US5205700 A, US5186585 A, US5122024 A, US5044845 A, US4966392 A, US4913265 A, US4805954 A, US4730964 A, US4729573 A, US4690364 A, US4688843 A, US4623289 A, US4538825 A, US4520893 A, US4511171 A, US4492403 A, US4475762 A, US4457551 A, US4455046 A, US4449561 A, US4427210 A, US4407616 A, US4389056 A, US4325576 A, US4268813 A, US4265478 A, US4103934 A, US4093303 A, US4076268 A, US4073022 A, US4062209 A, US4060271 A, US4019752 A, US352396 A, US2818910 A, US2101210 A, US2006269378 AA, US2005238453 AA, US2005214090 AA, US2005214089 AA, US2005019125 AA, US2003057243 AA, US2001055520 AA, US2001031183 AA, US2001024604 AA, US1835840 A,

Forward Citations: US8650735, US8308406,

Abstract:
Source: US2011011907A Embodiments of devices for securing a personal–transport vehicle to a mounting surface can include features that (i) permit the personal–transport vehicle to be released from the device by manually depressing a pushbutton on the device; (ii) facilitate adjustment of the position of the device in relation to the mounting surface; and/or (iii) prevent the personal–transport vehicle from being released in an unsafe manner.

0) US2009106918A – RETRACTABLE RAMP

149) Family number: 43197030 (US2009106918A) © PatBase

Title: RETRACTABLE RAMP

Priority: US20070928481 20071030

Family:

Publication number	Publication date	Application number	Application date
US2009106918 AA	20090430	US20070928481	20071030
US7802337 BB	20100928	US20070928481	20071030

Probable Assignee: LINC DESIGN LLC

Assignee(s):(std)**:** MARSHALL ELEVATOR CO ; MARSHALL ELEVATOR COMPANY

Assignee(s): JAMISON LYNDA G ; JAMISON ROBERT S JR ; LINC DESIGN LLC

Inventor(s):(std)**:** GLOGOWSKI FRANCIS S ; HEINER DAVID A ; HORVATH PETER D ; VAN ROOSMALEN LINDA ; JAMISON III ROBERT S ; WALKER STEVEN

Agent(s): WEBB LAW FIRM PC; THE WEBB LAW FIRM; WEBB LAW FIRM

International class (IPC 8–9)**:** B23P6/00 E01D15/12 E01D19/00 (Advanced/Invention); B23P6/00 E01D15/00 E01D19/00 (Core/Invention)

CPC: E04F2011/005 A61G3/061 E04F11/002 Y10T29/49716 A61G3/067

European class: A61G3/06A E04F11/00A

US class: 105/425 14/69.5 14/69.500P 14/71.1 29/401.1 29/401.100S 414/537

Classification Explorer

Cited documents: US797861 A, US782165 A, US7721369 BB, US7246844 BB, US7137162 BB, US7082637 BA, US7052227 BB, US6880194 BB, US6860701 BB, US6834903 BB, US6802095 BA, US6599090 BB, US6599080 BA, US6536064 BA, US6503036 BA, US6484344 BA, US6481037 BA, US6470523 BA, US6443683 BB, US6409458 BA, US6345950 BA, US6343908 BA, US6238168 BA, US6210098 BA, US6203265 BA, US6186733 BA, US6167816 BA, US6167816 B1, US6119634 A, US6010298 A, US5832555 A, US5829945 A, US5803523 A, US5775232 A, US5676515 A, US5636399 A, US5517708 A, US5380144 A, US5357962 A, US5357869 A, US5160236 A, US5137114 A, US5133634 A, US5090335 A, US5070794 A, US4900217 A, US4845792 A, US4827548 A, US4726516 A, US4559659 A, US4536004 A, US4528711 A, US4499970 A, US3933258 A, US3730361 A, US3288522 A, US2190708 A, US2009255437 AA, US2006245883 AA, US2003056686 AA, US1346891 A, US1149759 A, JP9020235 A2, JP2003073081 A2,

Forward Citations: USD724067, US9598090, US8800087, US8555443, US8397329, US8286290, US8020496, US2012233787, US2011239381, US2011023245, GB2529380, GB2528768,

Abstract:
Source: US2009106918A A ramp assembly includes an elongated frame sized and shaped to extend between a first door and a second door aligned opposite each other on opposed sides of a vehicle; a first sectional ramp section having a first end and a second end; and a second sectional ramp having a first end and a second end. The first sectional ramp is slidably moveable along the frame from a stored position to a deployed position on either of the opposed sides of the vehicle. The second sectional ramp is positioned adjacent the first sectional ramp and is slidably moveable along the frame from a stored position to a deployed position on either of the opposed sides of the vehicle. The ramp assembly also includes a first locking mechanism coupled to the first end of each of the first sectional ramp and the second sectional ramp; and a second locking mechanism coupled to the second end of each of the first sectional ramp and the second sectional ramp. The first locking mechanism is placed in a locked position and the second locking mechanism is placed in an unlocked position to allow the first and second sectional ramps to be coupled together and moved from the stored position to the deployed position through the first door. The second locking mechanism is placed in a locked position and the first locking mechanism is placed in an unlocked position to allow the first and second sectional ramps to be coupled together and moved from the stored position to the deployed position through the second door.

0) US2009108561A – CURB CLIMBING WHEELCHAIR ATTACHMENT

150) Family number: 43199128 (US2009108561A) © PatBase

Title: CURB CLIMBING WHEELCHAIR ATTACHMENT

Priority: US20070983386P 20071029 US20080252942 20081016

Family:

Publication number	Publication date	Application number	Application date
US2009108561 AA	20090430	US20080252942	20081016
US7850189 BB	20101214	US20080252942	20081016

Probable Assignee: BARBER BENJAMIN

Assignee(s):(std)**:** BARBER BENJAMIN ; BORDONI RICHARD ; BRADY JULIA ; BRIVIC MAX ; CORNELL MICHAEL ; DOERHOFF JAMES ; GOLDSZMIDT JONATHAN ; ROSENFELD AHRON ; ROVERNPOR JEFFREY ; PONTERIO DAVID B ; SINGH SAHIB ; ROVENPOR JEFFREY

Inventor(s):(std)**:** BARBER BENJAMIN ; BORDONI RICHARD ; BRADY JULIA ; BRIVIC MAX ; CORNELL MICHAEL ; DOERHOFF JAMES ; GOLDSZMIDT JONATHAN ; PONTERIO DAVID B ; ROSENFELD AHRON ; ROVENPOR JEFFREY ; ROVERNPOR JEFFREY ; SINGH SAHIB

Agent(s): PATENT DOCKET CLERK COWAN LIEBOWITZ AND LATMAN PC; MARK; COWAN LIEBOWITZ AND LATMAN PC

International class (IPC 8–9): A61G5/10 B63B27/14 (Advanced/Invention); A61G5/00 B63B27/00 (Core/Invention)

CPC: A61G3/061 A61G5/06

European class: A61G3/06A A61G5/06

US class: 14/71.1 14/71.100S 280/304.1 280/304.100P

Classification Explorer

Cited documents: US7597163 BB, US6463613 BA, US6175982 BA, US6175982 B1, US5037120 A, US4912796 A, US4132423 A, US2007194554 AA,

Forward Citations: US8870209,

Abstract:
Source: US2009108561A A curb climbing wheelchair system having left and right side attachments are designed to be attached to left and right side portions, respectively, of a standard wheelchair to enable a wheelchair occupant to climb a curb, bump or other obstruction without the aid of another individual. Each attachment includes a ramp extending from a telescoping arm that is designed to be attached, via a clamping system, to one side of the wheelchair. When not in use, the ramps are folded and stowed away on the sides of the wheelchair. During use, the ends of the ramps are placed on the curb to allow the wheelchair occupant to roll up the curb. To retrieve the ramps (now disposed behind the wheelchair), the wheelchair occupant moves the telescoping arms, if necessary with the aid of an attached circular handle, to lift the ramps thus allowing the wheelchair occupant to grab the ramps. The retrieved ramps then are stowed away until needed.

0) US2009158536A – WHEELCHAIR PLATFORM AND DETACHABLE RAMP, AND ME...

151) Family number: 43429857 (US2009158536A) © PatBase

Title: WHEELCHAIR PLATFORM AND DETACHABLE RAMP, AND METHODS OF CONSTRUCTING AND UTILIZING SAME

Priority: US20070963070 20071221

Family:

Publication number	Publication date	Application number	Application date
US2009158536 AA	20090625	US20070963070	20071221
US7571507 BB	20090811	US20070963070	20071221

Probable Assignee: HOLICKI JOSEPH P

Assignee(s):(std)**:** HOLICKI JOSEPH P

Inventor(s):(std)**:** HOLICKI JOSEPH P

Agent(s): IRVING M WEINER WEINER AND BURT PC; WEINER AND BURT PC; IRVING M; PAMELA S

International class (IPC 8–9): E01D1/00 (Advanced/Invention); E01D1/00 (Core/Invention)

CPC: A61G3/061 A61G5/104

European class: A61G5/10D K61G3/06A

US class: 14/69.5

Classification Explorer

Cited documents: US7350255 BB, US7240388 BB, US7010825 BA, US7003836 BB, US6929553 BA, US6880194 BB, US6840558 BA, US6718588 BA, US6481036 BA, US6418675 BA, US5870788 A, US5406777 A, US5105915 A, US4823421 A, US4697294 A, US3030645 A, US2008028546 AA, US2005129490 AA, US2005123380 AA, US2002144364 AA,

Forward Citations: USD735435, USD682502, US9021643, US8479337, US8453398, US8382126, US8332981, US8207502, US8196244, US8060965, US2015344276, US2012174325, US2011136119, US2010050348, US2009255066, US2008235886, US2008201873,

Abstract:
Source: US2009158536A A combination wheelchair platform and detachable ramp to allow a person seated in the wheelchair to be at the proper height for an opthalmologic slit lamp examination, or for a standard size dining table. The platform and ramp have raised side members to prevent accidental rolling off.

0) EP2277488B1 – UEBERTRAGUNGSANORDNUNG FUER EIN RAD, INSBESONDE...

152) Family number: 43801148 (EP2277488B1) © PatBase

Title: UEBERTRAGUNGSANORDNUNG FUER EIN RAD, INSBESONDERE EIN ROLLSTUHLRAD, ZUR UEBERTRAGUNG EINER ELEKTRISCHEN GROESSE VON EINER RADSEITIGEN EINRICHTUNG AN EINE FAHRZEUGKOERPERSEITIGE EINRICHTUNG ODER UMGEKEHRT TRANSFER ASSEMBLY FOR A WHEEL, IN PARTICULAR A WHEELCHAIR WHEEL, FOR TRANSFERRING AN ELECTRIC VARIABLE FROM A WHEEL–BASED DEVICE TO A VEHICLE BODY–BASED DEVICE OR VICE VERSA

Priority: DE200920009885U 20090721

Family:

Publication number	Publication date	Application number	Application date
DE202009009885 U1	20090924	DE200920009885U	20090721
EP2277488 A2	20110126	EP20100004556	20100430
EP2277488 A3	20121003	EP20100004556	20100430
EP2277488 B1	20140122	EP20100004556	20100430

Probable Assignee: AAT ALBER ANTRIEBSTECHNIK GMBH

Assignee(s):(std)**:** AAT ALBER ANTRIEBSTECHNIK GMBH

Agent(s): KOHLER SCHMID MOEBUS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9)**:** A61G5/02 A61G5/10 (Advanced/Invention); A61G5/00 (Core/Invention)

CPC: A61G5/028 A61G5/022 A61G5/048

European class: A61G5/02A2 A61G5/02G K61G5/04Z1

Classification Explorer

Cited documents: WO9505141 A1, US5771988 A, US5427193 A, US4021690 A, DE9201088 U, DE29803665 U1,

Forward Citations: DE102012109932, DE102012109932,

Abstract:
Source: EP2277488A3 Eine uebertragungsanordnung fuer ein Rad, insbesondere ein Rollstuhlrad (10), zur uebertragung einer elektrischen Groesse von einer radseitigen Einrichtung an eine fahrzeugkoerperseitige Einrichtung oder umgekehrt, umfassend eine Radnabe (13) und eine die Radnabe durchgreifende Steckachse, wobei in der Steckachse zumindest eine uebertragungsleitung gefuehrt ist.

0) US7607186B – MODULAR WHEELCHAIR RAMP

153) Family number: 43881983 (US7607186B) © PatBase

Title: MODULAR WHEELCHAIR RAMP

Priority: US20060494188 20060727 US20060815067P 20060620

Family:

Publication number	Publication date	Application number	Application date
US7607186 BA	20091027	US20060494188	20060727

Probable Assignee: BETA QUEST LLC

Assignee(s):(std)**:** MITCHELL TERRY L

Assignee(s): BETA QUEST LLC

Inventor(s):(std)**:** MITCHELL TERRY L

Agent(s): WATSON IP GROUP PLC; JOVAN N; VLAOAN M

International class (IPC 8–9): E01D1/00 E01D12/00 E01D18/00 (Advanced/Invention)

CPC: E04F11/181 E04F11/002 E04F2011/007

European class: E04F11/00 E04F11/00A E04F11/18F P04F11/00A2

US class: 14/69.5 52/174

Classification Explorer

Cited documents: USD420175 S1, US7383663 BB, US7240388 BB, US7237294 BB, US7225751 BB, US7225492 BB, US7192240 BB, US7013518 BB, US6928959 BA, US6875116 BB, US6725487 BB, US6430769 BA, US6418675 BA, US6386819 BA, US6179525 BA, US6179525 B1, US6033151 A, US5347672 A, US5287579 A, US5281055 A, US4865312 A, US4807317 A, US4697294 A, US4630709 A, US4430837 A, US4373310 A, US4368553 A, US4352597 A, US4079476 A, US4050828 A, US3176470 A, US2004123811 AA, US2004034950 AA, US2003182740 AA, US2002078513 AA,

Forward Citations: WO17060143, WO13030680, WO13030680, US8959693, US8844083, US8479337, US8370982, US8122673, US2013198978, US2009107060, GB2482870, EP2420635,

Abstract:
Source: US7607186B A modular wheelchair ramp includes multiple, variously configurable ramp sections that are adapted to be assembled together to form or define a ramp surface upon which a wheelchair may traverse. The ramp sections may be held in an elevated orientation by support structures that may simultaneously receive mounting edges of adjacent ramp sections. Clamp members may then be used to securely clamp the adjacent ramp sections to the support structures. The wheelchair ramp may also be provided with adjustably formed railing assemblies that may include flexible wall assemblies installed to the railing assemblies.

154) Family number: 44283104 (US2010018742A) © PatBase

Title: SUBSTANTIALLY TRANSPARENT CABLE PROTECTOR AND CABLE PROTECTION SYSTEM

Priority: US20080177714 20080722

Family:

Publication number	Publication date	Application number	Application date
US2010018742 AA	20100128	US20080177714	20080722
US8119914 BB	20120221	US20080177714	20080722
WO10011508 A1	20100128	WO2009US50316	20090710

Probable Assignee: PETERSON SYSTEMS INT INC

Assignee(s):(std)**:** CHECKERS IND PRODUCTS LLC ; LUBANSKI THOMAS M ; PETERSON SYSTEMS INT ; PETERSON SYSTEMS INTERNATIONAL

Assignee(s): PETERSON SYSTEMS INTERNATIONAL INC ; PETERSON SYSTEMS INT INC ; MADISON CAPITAL FUNDING LLC AGENT AS ; CHECKERS INDUSTRIAL PRODUCTS LLC

Inventor(s):(std)**:** LUBANSKI THOMAS M

Agent(s): HOLLAND AND HART LLP; HOLLAND AND HART; FOSTER L GRANT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): H01B7/00 H02G3/04 H02G3/30 (Advanced/Invention); H01B7/00 H02G3/04 (Core/Invention)

CPC: H02G9/025

European class: H02G9/02B

US class: 104/275 14/69.5 174/101 174/68.1 174/72.00C 174/72C 174/97 174/97P

Classification Explorer

Cited documents: USD412490 S1, US7810197 BA, US7531746 BB, US7309836 BB, US7203412 BB, US7145079 BA, US6499410 BA, US6022599 A, US5267367 A, US5224674 A, US5095822 A, US4775121 A, US2007095560 AA, US2005074223 AA,

Forward Citations: USD763414, US9673601, US9590403, US9438022, US9353586, US8979037, US8960611, US8534613, US2012068024, US2012068023, GB2499371, GB2499371, CN102751666,

Abstract:
Source: US2010018742A A cable protector may comprise an at least partially transparent base member, at least one channel extending between opposing ends of the base member and structured to house at least one cable, and an indicia member positioned within the base member so as to be visible through at least a portion of the base member. The indicia member may comprise advertising indicia, indicia that indicates at least a product name of the cable protector, and/or indicia that indicates a manufacturer of the cable protector.

0) DE102008044798A1 – HUB FOR WHEEL OF WHEEL CHAIR, HAS FRICTION ELEM...

155) Family number: 44446843 (DE102008044798A1) © PatBase

Title: HUB FOR WHEEL OF WHEEL CHAIR, HAS FRICTION ELEMENTS CONNECTED TO EACH OTHER IN AXIAL DIRECTION OF HUB AXLE TO GENERATE BRAKING TORQUE, AND RAMP– AND/OR CIRCULAR COMPONENTS CAUSING AXIAL CONNECTION OF ELEMENTS BY ACTUATING BRAKE DEVICE

Priority: DE200810044798 20080828

Family:

Publication number	Publication date	Application number	Application date
DE102008044798 A1	20100304	DE200810044798	20080828

Probable Assignee: SCHAEFFLER KG

Assignee(s):(std)**:** SCHAEFFLER KG

Inventor(s):(std)**:** NEUBAUER MARKUS

International class (IPC 8–9): A61G5/10 B60B27/02 B60B37/10 B60T1/06 B62B5/04 B62L1/00 (Advanced/Invention); A61G5/00 B60B27/00 B60B37/00 B60T1/00 B62B5/00 B62L1/00 (Core/Invention)

CPC: A61G5/1008 A61G5/1027 A61G5/1035 B60B27/0005 B60B27/02 B60T11/046 F16D2121/14 F16D2125/38

European class: A61G5/10B B60B27/02 B60T11/04D F16D65/14D4 R16D121/14 R16D125/38

Classification Explorer

Cited documents: CH690985,

Abstract:
The hub (1) has a brake device (4) arranged concentric to a hub axle (2), which is attachable to a frame (3) of a vehicle. The brake device includes friction elements (41–43) that are connected to each other in an axial direction of the hub axle for generating braking torque. Ramp– and/or circular components (44, 50) cause the axial connection of the friction elements by actuating the brake device. A longitudinal groove (12) runs in the axial direction of the hub axle, and the brake device is arranged outer side of the hub.

0) US2010192296A – PATIENT–LIFTING–DEVICE CONTROLS

156) Family number: 46420065 (US2010192296A) © PatBase

Title: PATIENT–LIFTING–DEVICE CONTROLS

Priority: US20090148394P 20090130 US20090164466P 20090330 US20090164719P 20090330 US20090164742P 20090330 US20090164761P 20090330 US20090164795P 20090330 US20090164850P 20090330 US20090164874P 20090330 US20100750706 20100330 US20120655358 20121018 US20100698133 20100201 US20090164955P 20090331 US20130931820 20130629 US20140157546 20140117 WO2010US22677 20100130 WO2010US29284 20100330 US20140480629 20140908 US20140537904 20141110 US20150754678 20150629

Family:

Publication number	Publication date	Application number	Application date
EP2391327 A2	20111207	EP20100736509	20100130
EP2413874 A2	20120208	EP20100762199	20100330
US2010192296 AA	20100805	US20100698133	20100201
US2011035058 AA	20110210	US20100750706	20100330
US2013038254 AA	20130214	US20120655358	20121018
US2013289761 AA	20131031	US20130931820	20130629
US2014169795 AA	20140619	US20140157546	20140117
US2015030185 AA	20150129	US20140480629	20140908
US2015066197 AA	20150305	US20140537904	20141110
US2015302854 AA	20151022	US20150754678	20150629
US8310179 BB	20121113	US20100698133	20100201
US8476849 BB	20130702	US20120655358	20121018
US8884558 BB	20141111	US20130931820	20130629
US9070282 BB	20150630	US20140157546	20140117
WO10088575 A2	20100805	WO2010US22677	20100130
WO10088575 A3	20101125	WO2010US22677	20100130
WO10117820 A2	20101014	WO2010US29284	20100330
WO10117820 A3	20110113	WO2010US29284	20100330

Probable Assignee: ALTORR CORP

Assignee(s):(std)**:** ALTORR CORP ; CLOUGH BRADFORD ; CLOUGH BRADFORD A

Inventor(s):(std)**:** CLOUGH BRADFORD ; CLOUGH BRADFORD A

Agent(s): SKONE JAMES ROBERT EDMUND; RAMIREZ AND SMITH; MICHAEL; MICHAEL G; SMITH MICHAEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 A61G7/10 A61G7/14 B66D3/20 G05B15/00 G05B15/02 G06F19/00 G08C17/02 G08C23/04 G10L15/00 G10L15/22 G10L15/26 G10L17/00 H02H7/085 H02P1/00 H04R1/08 H04W88/02 H04W88/08 (Advanced/Invention); A61G7/015 A61G7/018 A61G7/10 G10L15/08 G10L15/26 (Advanced/Non–invention); A61G3/00 A61G7/10 G05B15/00 G10L15/00 G10L17/00 (Core/Invention)

CPC: G08C17/02 A61G2203/46 A61G7/1046 G06F19/3406 G10L15/26 A61G7/1015 A61G7/1044 A61G7/1048 A61G7/109 A61G7/10 G10L17/00 H04R1/08 G05B15/02 H02H7/0851 A61G7/1073 B66D3/20 A61G7/015 A61G7/018 A61G7/1005 A61G7/1017 A61G7/1042 A61G7/1051 A61G7/1061 A61G7/1065 A61G2203/12 A61G2203/16 A61G2203/20 G06F19/3418 G06F19/345 G10L2015/088 H04R3/00 G10L15/22 H04W88/02 H04W88/08 H04W84/12 G08C23/04 G08C2201/31 G08C2201/93 G10L2015/223

European class: A61G7/10A4 A61G7/10V2 G10L15/26A G10L17/00U K61G203/12 K61G7/10N2 K61G7/10N4 K61G7/10S2 K61G7/10S4 K61G7/10S6 K61G7/10S6A K61G7/10T12 K61G7/10T2 K61G7/10Z10D S06F19/34A

US class: 1/1 318/255 318/256 318/264 318/265 318/266 381/122 398/106 5/83.1 5/83.100P 700/213 700/275 700/275P 704/275

Classification Explorer

Cited documents: US8280434 BB, US8125318 BB, US7957837 BB, US7480951 BB, US7426759 BB, US7315535 BB, US7235942 BB, US7154397 BB, US7027568 BA, US7021427 BB, US6597347 BA, US6566833 BB, US6462500 BA, US6000077 A, US5809591 A, US5369343 A, US5257992 A, US5247763 A, US4435862 A, US4367435 A, US2010192296 AA, US2009144895 AA, US2009139141 AA, US2008057460 AA, US2008052831 AA, US2006223042 AA, US2006150332 AA, US2005159275 AA, US2005091928 AA, US2004122708 AA, US2003188489 AA, US2003182759 AA, KR20040016182 A, KR100639968 B1, KR100621593 B1, JP2004129675 A2,

Forward Citations: WO14066699, WO12064369, US9721572, US9721569, US9679453, US9648219, US9582993, US9539155, US9527699, US9521234, US9320662, US9159222, US8995908, US8474794, US2017206913, US2016381135, US2016367420, US2016351195, US2016300482, US2016245538, US2016164724, US2016142614, US2016006854, US2016005404, US2015325112, US2015280765, US2015187354, US2014340203, US2014105398, US2014013503, US2013189924, US2013091631, US2013073977, US2011035058, EP3021247, CN104323791, CN104134339,

Abstract:
Source: US2010192296A Systems, methods and apparatus are provided through which in some multisensory implementations, a patient−lifting−device is controlled by voice recognition using a background noise filter, keyboard text input, synaptic control and/or a tongue tactile input commands. In some implementations, the command is rejected or accepted in reference to an analysis of the command, the analysis including an analysis of the authority of operator, competency and/or the state of mind of the operator.

0) DE202010006218U1 – MOBILES THERAPIEGERAET MOBILE THERAPY EQUIPMEN...

157) Family number: 46699665 (DE202010006218U1) © PatBase

Title: Mobiles Therapiegeraet Mobile therapy equipment (Machine translation)

Priority: DE201020006218U 20100429

Family:

Publication number	Publication date	Application number	Application date
DE202010006218 U1	20100819	DE201020006218U	20100429

Probable Assignee: LEHN MARTIN

Assignee(s):(std)**:** LEHN MARTIN

International class (IPC 8–9): A61H1/00 (Advanced/Invention)

CPC: A61H1/0274

European class: A61H1/02M

Classification Explorer

Abstract:
Source: DE202010006218U1 (Claim 1) 1. Therapievorrichtung zur Mobilisierung der oberen Extremitaeten, mit: einer Basiseinrichtung (100), einer Grundplatte (1), die relativ zu der Basiseinrichtung neigbar ist, und einem ersten Schlitten (2) mit zumindest einer Griffeinrichtung (10–1 bis 10–4), wobei der erste Schlitten auf der Grundplatte bewegbar ist. (Claim 1) 1. Therapy device for the mobilization of the upper extremities, with: A basis mechanism (100), a baseplate (1), which relative to the basis mechanism inclinable is, and a first carriage (2) with at least a grasp mechanism (10–1 to 10–4), whereby the first carriage on the baseplate is movable.

0) US2012175856A – TRICYCLE WITH WHEELCHAIR PLATFORM

158) Family number: 47672122 (US2012175856A) © PatBase

Title: TRICYCLE WITH WHEELCHAIR PLATFORM

Priority: US20090180734P 20090522 US20100321495 20100520 WO2010IB01370 20100520

Family:

Publication number	Publication date	Application number	Application date
US2012175856 AA	20120712	US20100321495	20100520
WO10133968 A2	20101125	WO2010IB01370	20100520
WO10133968 A3	20110127	WO2010IB01370	20100520

Probable Assignee: ELLIS ROBERT

Assignee(s):(std)**:** ELLIS ROBERT

Inventor(s):(std)**:** ELLIS ROBERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60N2/01 B62D61/06 B62D9/02 B62K5/02 (Advanced/Invention)

CPC: B60N2/005 B62K3/16 B62K5/027

European class: B60N2/005 B62K3/16 B62K5/027

US class: 180/211 280/124.103 280/124.103P

Classification Explorer

Cited documents: USD556099 S1, US7311167 BB, US6276480 BA, US5873589 A, US5806622 A, US5305845 A, US4592441 A, US4159752 A, US2007262656 AA,

Forward Citations: US8746717, US2017049643, US2016324705, US2015329165, US2012248717, CN102923225,

Abstract:
Source: US2012175856A A vehicle includes a frame having a front portion and a rear portion, an operator's seat coupled to the frame, a front wheel steerably coupled to the front portion of the frame, a first rear wheel coupled to the rear portion of the frame, a second rear wheel coupled to the rear portion of the frame, an engine coupled to the rear portion of the frame and configured to drive the first rear wheel, and a wheelchair platform located at least partially between the first rear wheel and the second rear wheel and configured to accept a wheelchair placed in a position at least partially straddling the engine. The front portion of the frame may be rotatably coupled to the rear portion. The vehicle may further include a body, a lean angle limiting system, and/or an active lean angle system.

0) US2013067817A – DOOR CONTROL SYSTEM

159) Family number: 48739712 (US2013067817A) © PatBase

Title: DOOR CONTROL SYSTEM

Priority: DK20090001107 20091008 WO2010DK00131 20101007

Family:

Publication number	Publication date	Application number	Application date
EP2486212 A1	20120815	EP20100773559	20101007
US2013067817 AA	20130321	US20100500514	20101007
WO11042018 A1	20110414	WO2010DK00131	20101007

Probable Assignee: REHABILER AND BUSSER A S

Assignee(s):(std)**:** REHABILER AND BUSSER AS ; SOERENSEN JESPER ; SORENSEN JESPER

Assignee(s): S RENSEN JESPER ; REHABILER AND BUSSER A S

Inventor(s):(std)**:** SOERENSEN JESPER ; SORENSEN JESPER

Inventor(s): S RENSEN JESPER

Agent(s): ZACCO DENMARK A S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60J5/10 B60P1/43 E05F15/00 E05F15/12 E05F15/20 E05F5/12 (Advanced/Invention); E05F5/12 (Advanced/Non–invention)

CPC: A61G3/061 E05F5/12 E05Y2400/334 E05Y2400/415 E05Y2900/532 E05F15/40 E05F15/627 E05F15/63 E05F15/70 E05F15/79 E05F15/00

European class: E05F15/12F E05F15/12H E05F15/20 K61G3/06A P05F5/12 P05Y400/334 P05Y400/415 P05Y900/532

US class: 49/30 49/31 49/340 49/506

Classification Explorer

Cited documents: US2004232723 AA, US2003044266 AA, EP1898035 A2, EP1854953 A2, EP1645708 A2, EP0454261 A1,

Forward Citations: GB2534905, CZ304950, CN104736363,

Abstract:
Source: US2013067817A The present invention relates to door control systems, especially to door control systems for power–controlled swinging doors of a vehicle, wherein the door control system is adapted to control the movement of a door panel being pivotable between a closed position and an open position, and comprising a belt drive system having a belt and two pulleys, a driving element securely connected to the belt, a connection arm pivotally connected to the driving element in one end and adapted to be fixedly connected to the door panel to be controlled in another end, driving means to drive the belt drive system, and a control unit to control the driving means to move the driving element along a predetermined path. The door control system may have an automatic safety stop if an obstruction in the path of the moving door is detected. The vehicle may be a disability–adapted vehicle.

0) US2012241234A – CHAIR WITH A HEIGHT–ADJUSTABLE SEAT

160) Family number: 49007193 (US2012241234A) © PatBase

Title: CHAIR WITH A HEIGHT–ADJUSTABLE SEAT

Priority: US20090264686P 20091126 US20100511996 20101126 WO2010CA01885 20101126

Family:

Publication number	Publication date	Application number	Application date
CA2818044 AA	20130515	CA20102818044	20101126
GB201211146 A0	20120808	GB20120011146	20101126
GB2489621 A1	20121003	GB20120011146	20101126
GB2489621 B2	20140319	GB20120011146	20101126
US2012241234 AA	20120927	US20100511996	20101126
US8696017 BB	20140415	US20100511996	20101126
WO11063524 A1	20110603	WO2010CA01885	20101126

Probable Assignee: WRIGHT HI LO SOLUTIONS LTD

Assignee(s):(std)**:** WRIGHT DONALD W ; WRIGHT HI LO SOLUTIONS LTD

Inventor(s):(std)**:** WRIGHT DONALD W

Inventor(s): DONALD W WRIGHT

Agent(s): THOMPSON COOPER LLP; TOMLINSON RUST MCKINSTRY GRABLE; COOPER MICHAEL D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/02 A61G5/04 A61G5/10 A61G7/10 B60K1/02 B60K7/00 B62B3/02 (Advanced/Invention)

CPC: A61G5/1059 A61G7/1011 A61G7/103 A61G2200/34

European class: A61G5/10S2 A61G7/10A10 A61G7/10P4

US class: 180/65.1 180/65.51 280/47.38 280/647 280/657 297/337 297/344.12 297/68

Classification Explorer

Cited documents: US7306251 BB, US7296960 BB, US7273255 BB, US7222868 BB, US7219912 BB, US7090241 BB, US7055840 BA, US6793232 BA, US6273443 BA, US6142568 A, US5201377 A, US5112076 A, US5060960 A, US4862997 A, US4669943 A, US4477117 A, US3901527 A, US2339007 A, US2005236812 AA, GB2436930 A1, EP0067069 A1,

Forward Citations: US9457998, US8840175, US8317266, US2015202102, US2014239680, US2013193392, US2010283303, JP2016073463,

Abstract:
Source: US2012241234A A chair for use by a person with limited lower–body mobility, the chair having a height adjustable seat and chair sides that fold down to form a ramp or bridge to facilitate lateral movement by a user between the chair and an adjacent surface.

0) DE102010005298A1 – STAIR LIFT FOR OVERCOMING HEIGHT DIFFERENCES, P...

161) Family number: 49345774 (DE102010005298A1) © PatBase

Title: STAIR LIFT FOR OVERCOMING HEIGHT DIFFERENCES, PARTICULARLY FOR OVERCOMING FLIGHTS OF STAIRS WITHOUT ANY INTERRUPTION OF STEP FUNCTION, HAS LIFT PLATFORM AND STAIR BODY, WHERE LIFT PLATFORM HAS PLATFORM SURFACE

Priority: DE201010005298 20100121

Family:

Publication number	Publication date	Application number	Application date
DE102010005298 A1	20110728	DE201010005298	20100121

Probable Assignee: REINHOLD GUNTER

Assignee(s):(std)**:** REINHOLD GUNTER

Assignee(s): REINHOLD

Inventor(s):(std)**:** REINHOLD GUNTER

International class (IPC 8–9): B66B9/08 B66F7/06 E04F11/00 (Advanced/Invention)

CPC: B66B9/0869 E04F11/02 E04F11/18

European class: B66B9/08G E04F11/02 E04F11/18

Classification Explorer

Cited documents: US5632357 A, US4457402 A,

DE202004011686 U1

DE102007018756 B4

Forward Citations: GB2503082, GB2503082,

Abstract:
The stair lift (1) has a lift platform (HP) and a stair body (TK), where the lift platform has a platform surface (PF) which is movable between two conditions. The platform surface is closed with a level (N1) in the former condition and with another level (N2) in the latter condition in a vertically aligned manner. The stair body has a sliding step (S) or multiple sliding steps (S1,S2,S3).

0) FR2955471B – FAUTEUIL INCLINABLE

162) Family number: 49372004 (FR2955471B) © PatBase

Title: FAUTEUIL INCLINABLE

Priority: FR20100050549 20100127

Family:

Publication number	Publication date	Application number	Application date
FR2955471 A1	20110729	FR20100050549	20100127
FR2955471 B1	20121005	FR20100050549	20100127

Probable Assignee: HAJARO DEV

Assignee(s):(std)**:** HAJARO DEV

Assignee(s): HAJARO DEVELOPPEMENT

Inventor(s):(std)**:** ALBISSER JACKY ; HANSBERGER CHRISTIAN ; ROPP DENIS

Inventor(s): JACKY ALBISSER ; CHRISTIAN HANSBERGER ; DENIS ROPP

Agent(s): CABINET NITHARDT ET ASSOCIES

International class (IPC 8–9): A47C1/024 (Advanced/Invention)

CPC: A47C3/026 A47C1/0242 A47C1/026 A47C3/0257

European class: A47C1/024B A47C1/026 A47C3/026 A47C3/027

Classification Explorer

Cited documents: US6106065 A, US2008100121 AA, US2005040626 AA, US2004188979 AA,

Abstract:
The armchair (1) has a seat (2) mounted on a foot (3) around a horizontal rotation axis (R) corresponding to a center of gravity (G) of a person. A circular sliding ramp (50) of the pivoting unit (5) is integrated to the seat. A rolling element (51) is integrated to the foot sliding on the ramp. A blocking unit is arranged to block the seat in a tilted position. A frame (22) of the pivoting unit carries the seat below a base (20) that is parallell and symmetrical with respect to a central axis (C) of the foot and provided with the ramp, where the central axis passes through the rotation axis.

0) GB2478851A – A BACKREST SUPPORT ASSEMBLY SUITABLE FOR USE WI...

163) Family number: 45436755 (GB2478851A) © PatBase

Title: A BACKREST SUPPORT ASSEMBLY SUITABLE FOR USE WITH A WHEELCHAIR TILTING PLATFORM TO SUPPORT THE BACKREST OF A WHEELCHAIR

Priority: GB20100004460 20100317

Family:

Publication number	Publication date	Application number	Application date
GB201004460 A0	20100505	GB20100004460	20100317
GB201104521 A0	20110504	GB20110004521	20110317
GB2478851 A1	20110921	GB20110004521	20110317
GB2478851 B2	20140212	GB20110004521	20110317

Probable Assignee: DESIGN SPECIFIC LTD

Assignee(s):(std)**:** DESIGN SPECIFIC LTD ; FLETCHER RICHARD

Assignee(s): RICHARD FLETCHER ; DESIGN SPECIFIC LIMITED

Inventor(s):(std)**:** FLETCHER RICHARD ; WALTERS JOHN GODWIN

Inventor(s): JOHN GODWIN WALTERS ; RICHARD FLETCHER

International class(IPC 8–9)**:** A61G5/10 (Advanced/Invention)

CPC: A61G5/104 A61G5/12 A61G5/121 A61G5/122

European class: A61G5/10D A61G5/12 K61G5/12A K61G5/12C

Classification Explorer

Cited documents: US6478529 BA, US4790716 A, GB2470746 A1, GB2453165 A1, GB2416345 A1, DE20307043 U1,

Abstract:
Source: GB2478851A A backrest support assembly 1 for supporting, in use, the backrest of a wheelchair, e.g. when the wheelchair is supported on a wheelchair tilting platform [see Fig. 4], comprises a backrest support 8 adjustably mounted on a stem 10 for height adjustment and/or angular adjustment relative to the stem. The backrest support 8 may be mounted on the stem 10 by a friction locking means, preferably a self–locking friction sleeve to allow continuous height adjustment. The backrest support 8 for the wheelchair backrest may rotate about the axis of the stem, preferably an axis transverse to the stem. An adjustable headrest 22 may be pivotally fitted to the stem 10 of the assembly. The stem 10 of the support assembly may be pivotally coupled to a base, e.g. a back wall of a tilting platform used to tilt a wheelchair. Also disclosed is a backrest support assembly for supporting a wheelchair backrest wherein a backrest support is mounted to a stem by a friction locking sleeve. A further assembly is disclosed in which the stem of the backrest support assembly is pivotally mounted to a base to allow it to be rotated about a horizontal axis.

0) US2011240448A – TABLET COMPUTING DEVICE SYSTEM

164) Family number: 49698630 (US2011240448A) © PatBase

Title: TABLET COMPUTING DEVICE SYSTEM

Priority: EP20110714197 20110331 US20100320640P 20100402 US20110077838 20110331 WO2011US30828 20110331

Family:

Publication number	Publication date	Application number	Application date
CA2830893 AA	20130919	CA20112830893	20110331
DE602011024282 D1	20160504	DE201160024282T	20110331
EP2553543 A2	20130206	EP20110714197	20110331
EP2553543 B1	20160323	EP20110714197	20110331
US2011240448 AA	20111006	US20110077838	20110331
US8789802 BB	20140729	US20110077838	20110331
WO11123713 A2	20111006	WO2011US30828	20110331
WO11123713 A3	20120419	WO2011US30828	20110331

Probable Assignee: STAND FOR STUFF LLC

Assignee(s):(std)**:** ELLISON JEREMY ; LEVINE JAKE ; STAND FOR STUFF LLC ; SPRINGER MARTIN A

Assignee(s): STAND FOR STUFF LLC SEATTLE

Inventor(s):(std)**:** ELLISON JEREMY ; LEVINE JAKE ; SPRINGER MARTIN A

Inventor(s): SPRINGER MARTIN A SEATTLE ; LEVINE JAKE SEATTLE ; ELLISON JEREMY BOTHELL

Agent(s): SMART AND BIGGAR; HARRISON SCOTT DAVID; LEE AND HAYES PLLC; PLATZ DAVID M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B65D85/00 F16M11/04 F16M11/14 F16M11/20 F16M13/00 G06F1/16 H01H3/20 (Advanced/Invention)

CPC: F16M11/14 F16M11/041 F16M11/2064 F16M13/00 F16M2200/024 F16M2200/044

European class: F16M11/04A F16M11/14 F16M11/20A3C F16M13/00 R16M200/02A2 R16M200/04B

US class: 200/331 206/320 206/320S 248/125.9 248/181.1 248/288.31

Classification Explorer

Cited documents: US8317152 BA, US8281924 BB, US8230992 BB, US8020829 BA, US7886903 BA, US7336258 BA, US7017243 BB, US6445577 BA, US6239968 BA, US6201688 BA, US32064010 P, US2013078855 AA, US2009314400 AA, US2007297149 AA, US2004190238 AA, US2003042385 AA,

Forward Citations: WO14035638, WO14025576, WO13074626, US9717314, US9700113, US9675148, US9474345, US9326576, US9170611, US9167911, US9110630, US9072352, US9007157, US8939482, US8878637, US8854576, US8727116, US8619416, US8469189, US8245843, US2016187023, US2016161989, US2015027911, US2014291176, US2014013810, US2013056368, US2013032432, US2012160733, US2012085679, US2012012579, KR101537502, DE202013002346, CN103511801,

Abstract:
Source: US2011240448A A protective case system for a tablet computing device is described herein. The protective case enables a person that does not want to or is physically unable to hold a tablet computing device to interact with an inserted tablet computing device. In addition to the foregoing, other aspects are described in the claims, description, and drawings that form this document.

0) US2013060125A – ENCEPHALOGRAPHY METHOD AND APPARATUS INCORPORAT...

165) Family number: 49769514 (US2013060125A) © PatBase

Title: ENCEPHALOGRAPHY METHOD AND APPARATUS INCORPORATING INDEPENDENT COMPONENT ANALYSIS AND A SPECTRAL SHAPING FILTER

Priority: US20100325164P 20100416 US20110641674 20110415 WO2011CA50206 20110415

Family:

Publication number	Publication date	Application number	Application date
US2013060125 AA	20130307	US20110641674	20110415
WO11127609 A1	20111020	WO2011CA50206	20110415

Probable Assignee: APPLIED BRAIN AND VISION SCIENCES INC

Assignee(s):(std): APPLIED BRAIN AND VISION SCIENCES INC ; MAHAJAN SUNNY VARDHAN ; ZEMAN PHILIP MICHAEL

Inventor(s):(std): MAHAJAN SUNNY VARDHAN ; ZEMAN PHILIP MICHAEL

Agent(s): MANNING GAVIN N ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/0476 A61B5/05 (Advanced/Invention)

CPC: A61B5/048 A61B5/4076

European class: A61B5/048

US class: 600/409 600/544

Classification Explorer

Cited documents: WO09079384 A1, US2009264786 AA, US2009221928 AA, CA2682955 AA,

Forward Citations: WO15120400, WO15009877, US9717920, US9668694, US9622703, US9622702, US9569986, US9522278, US9454646, US9451303, US9336535, US9320450, US9292858, US9215978, US9060671, US8989835, US8670821, US8655428, US8635105, US8548852, US8494905, US8494610, US2015285901, US2012184869, US2012072289, US2009030303, RU2584086,

Abstract:
Source: US2013060125A Methods and apparatus for encephalography process encephalography data to yield components that correspond to modular areas of the brain. In some embodiments encephalography data is processed by independent component analysis to yield a first set of components that are processed to generate a spectral filter. The spectral filter is applied to the encephalography data to generate a second set of components. The second set of components may be represented by one or more matrices. In an embodiment the second set of components is represented by weight and sphereing matrices. Methods and apparatus may be applied for monitoring brain function, selecting participants for medical trials, adjusting drug dosages, performing and monitoring biofeedback methods, detecting progression toward diseases or conditions that affect the brain and other applications.

0) IN02664DE2011A – AUTOMATIC POWERED VERTICAL PLATFORM LIFT IN PAS...

166) Family number: 49897671 (IN02664DE2011A) © PatBase

Title: AUTOMATIC POWERED VERTICAL PLATFORM LIFT IN PASSENGER BUS / VEHICLE / AIRPORT TARMAC COACHES FOR DISABLED / HANDICAPPED / WHEELCHAIRED PERSONS

Family:

Publication number	Publication date	Application number	Application date
IN02664DE2011 A	20111104	IN2011DE02664	20110915

Probable Assignee: ARUN KUMAR ROY

Assignee(s): ARUN KUMAR ROY

Inventor(s): ARUN KUMAR ROY

International class (IPC 8–9): B64F1/30 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN02664DE2011A An automatic door opening together with a provision for wheel chair lift for disabled passengers in passenger bus / vehicle / airport tarmac coaches is disclosed. The automatic system incorporates a combination interlocked swing out door and a lifting platform which comes to the floor level of the bus OR positions itself at a slightly lower height to act as the first step into the bus for normal passengers OR comes down completely to the road level for the wheel chaired passengers. The mechanism includes a foldable platform which opens up automatically and makes the lift platform long enough to accommodate the wheel chaired person along with an attendant. The foldable flap folds itself and remains within the bus width after the wheel chaired person boards the bus.

0) AU2011101379A – EASY AFFORDABLE SCOOTER LIFTER

167) Family number: 50501086 (AU2011101379A) © PatBase

Title: Easy Affordable Scooter Lifter

Priority: AU20110101379 20111027 AU20110904316 20111019

Family:

Publication number	Publication date	Application number	Application date
AU2011101379 AD	20111124	AU20110101379	20111027
AU2011101379 BD	20120927	AU20110101379	20111027

Probable Assignee: COOK MAXINE

Assignee(s):(std)**:** COOK MAXINE

Assignee(s): COOK MAXINE KAY MS

Inventor(s):(std)**:** COOK MAXINE KAY ; KAY COOK MAXINE

Agent(s): COOK MAXINE KAY MS

International class (IPC 8–9): A61G3/02 B60R9/00 B60R9/042 B66D3/06 (Advanced/Invention)

Classification Explorer

Cited documents: US7618024 BB, US5090580 A, US2007290180 AA, CN2213720 Y,

Abstract:
Source: AU2011101379A A scooter lifter unit having double stainless steel pulleys with double braid rope, at the back of a car for maintenance and cleaning of the scooter. – 1 smi

0) US2012030886A – DEVICE FOR AN EXTENDABLE RECEPTION OF A RAMP

168) Family number: 49976261 (US2012030886A) © PatBase

Title: DEVICE FOR AN EXTENDABLE RECEPTION OF A RAMP

Priority: EP20100005640 20100531 EP20100007038 20100708

Family:

Publication number	Publication date	Application number	Application date
DE502010004178 D1	20130926	DE201050004178T	20100708
EP2390142 A1	20111130	EP20100007038	20100708
EP2390142 B1	20130731	EP20100007038	20100708
US2012030886 AA	20120209	US20110118698	20110531

Probable Assignee: HUBNER TRANSPORTATION GMBH

Assignee(s):(std)**:** HAMMER ANDERS ; HERNVALL JAN ERIK ; HUBNER TRANSP GMBH ; HUEBNER TRANSP GBMH ; PERSSON MARTIN

Assignee(s): HUEBNER TRANSPORTATION GBMH ; HUBNER TRANSPORTATION GMBH

Inventor(s):(std)**:** HAMMER ANDERS ; HERNVALL JAN ERIK ; PERSSON MARTIN

Agent(s): WALTHER WALTHER AND HINZ GBR

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): B60P1/43 B60R3/02 (Advanced/Invention)

CPC: B60R3/02

European class: B60R3/02

US class: 14/71.1 14/71.100P

Classification Explorer

Cited documents: WO9910199 A1, WO9806370 A1, WO08089547 A1, US6869092 BA, EP1837233 A1, EP1747939 A1, EP1621404 A1, EP1393977 A1, DE10043561 A1,

Forward Citations: US9266475, US9174581, US8505141, US8359691, US2015175078, US2014333042, US2008187425, EP3002157, EP3002156, EP2703223, DE202012008578,

Abstract:
Source: US2012030886A Subject matter of the invention is a device for an extendable reception of a ramp, wherein the device can be mounted at a vehicle in the area of the vehicle door, wherein the device comprises a drive assembly for the ramp, wherein the drive assembly comprises a slide, wherein the slide is connected with the ramp, wherein the drive equipment can be engaged with at least one power transmission element mounted at the vehicle.

0) US2012036653A – RAMP

169) Family number: 47418241 (US2012036653A) © PatBase

Title: RAMP

Priority: GB20100013705 20100816

Family:

Publication number	Publication date	Application number	Application date
EP2420635 A2	20120222	EP20110176450	20110803
EP2420635 A3	20121226	EP20110176450	20110803
GB201013705 A0	20100929	GB20100013705	20100816
GB2482870 A1	20120222	GB20100013705	20100816
US2012036653 AA	20120216	US20110192093	20110727
US8370982 BB	20130212	US20110192093	20110727

Probable Assignee: DLP LTD

Assignee(s):(std)**:** DLP LTD ; PETERS ANDREW

Assignee(s): DLP LIMITED

Inventor(s):(std)**:** PETERS ANDREW

Inventor(s): ANDREW PETERS

Agent(s): HOCKING ADRIAN NIALL; LARKIN HOFFMAN DALY AND LINDGREN; ROBERT C

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A61G3/06 E01F1/00 E04F11/00 E04F11/18 (Advanced/Invention); B65G69/28 (Advanced/Non–invention)

CPC: E04F11/00 E04F11/18 E04F11/002 E04F11/02 E04F11/1812 E04F2011/007

European class: E04F11/00 E04F11/00A E04F11/18F1 P04F11/00A2 P04F11/02

US class: 14/69.5 14/69.500P

Classification Explorer

Cited documents: US7607186 BA, US7240388 BB, US7010825 BA, US6898815 BB, US6676358 BB, US5848501 A, US5214817 A, US4912796 A, US4807317 A, US2009300860 AA, US2008184502 AA, US2006059636 AA, US2004250360 AA, JP2010196385 A2, JP2007138480 A2, JP2002167933 A2, GB2402142 A1, CN201010379 Y, AU577569 B2, AU577569,

Forward Citations: US9631371, US9376819, US8959693, US8844083, US8695140, US2013198978, US2013055511, JP2016089368,

Abstract:
Source: US2012036653A The present invention provides two aspects: A ramp which comprises a user support element, an edge element at an edge of the user support element, a handrail, a support connector which is slidably engagable with the edge element, an elongate upright handrail support, and an adjustable elongate depending ramp support. The handrail support and the ramp support are coaxially held by the support connector; A ramp which comprises a user support element, an edge element at an edge of the user support element, and a height adjustable ramp support which includes a foot and two arms pivotably engaged with the foot. Each arm has a slider pivotably engaged at its distal end remote from the foot, and each slider is slidably engagable with the edge element for lengthwise adjustment of the ramp support along the edge element and for slidable adjustment relative to each other so as to set a distance between the edge element and the foot. Each slider is further fixedly holdable in place to maintain its set position; and A ramp which comprises a user support element, an edge element at an edge of the user support element, and a height adjustable ramp support which includes a foot and two arms. Each arm has a part–spherical pivot element at a proximal end thereof, and each pivot element is abuttable with the other pivot element to provide a part–spherical head element. The foot includes a cup having a part–spherical bearing surface which is complimentarily shaped to captively engage the part–spherical head element, whereby the pivot elements can independently pivot relative to each other and the foot can pivot independently of the pivot elements in at least the plane of the arms and laterally of the arms.

0) USRE43193E – HOSPITAL BED

170) Family number: 50659710 (USRE43193E) © PatBase

Title: HOSPITAL BED

Priority: US19990173428P 19991229 US20000750741 20001229 US20000750859 20001229 US20000751031 20001229 US20020409748P 20020911 US20020408698P 20020906 US20030731720 20031209 US20030657696 20030908 US20030648053 20030826 US20030490467P 20030728 US20030489171P 20030722 US20060513424 20060830

Family:

Publication number	Publication date	Application number	Application date
USRE43193 E	20120221	US20060513424	20060830

Probable Assignee: HILL ROM SERVICES INC

Assignee(s):(std)**:** BRANSON GREGORY W ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; HILL ROM SERVICES INC ; JACQUES II WILLIAM L ; WILKER JR JOHN B ; VALVANO DEAN M ; SUTTMAN GLENN C ; WELLING JEFFREY R ; KINKER ROBERT A ; KRAMER KENNETH L ; OSBORNE EUGENE E ; KOENIG JOHN W ; VISCA MATTHEW

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s):(std)**:** BRANSON GREGORY W ; DICKMAN JR BRUCE E ; JACQUES II WILLIAM L ; FINDLAY JAMES K ; GANANCE FRANCIS C ; KINKER ROBERT A ; OSBORNE EUGENE E ; WILKER JR JOHN B ; SUTTMAN GLENN C ; WELLING JEFFREY R ; VISCA MATTHEW ; KOENIG JOHN W ; KRAMER KENNETH L ; VALVANO DEAN M

Agent(s): BARNES AND THORNBURG LLP

International class (IPC 8–9): A61G7/015 A61G7/018 (Advanced/Invention)

CPC: A61G7/002 A47C19/045 A61B5/1115 A61B5/6891 A61G7/001 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/0507 A61G7/05715 A61G7/05769 A61G2203/34 A61G2203/74 G01G19/445 A61G7/0506 A61G2203/16 A61G2203/20 A61G7/0509 A61G7/051 A61G7/0514 A61G7/052 A61G7/0524 A61G7/0527

European class: A47C19/04B A61B5/11N4 A61G7/002 A61G7/005 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057C A61G7/057K A61G7/05S G01G19/44A K61G203/34 K61G203/74 K61G7/008 K61G7/00D K61G7/05S12 K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A2 K61G7/05W1

US class: 5/600 5/616 5/618

Classification Explorer

Cited documents: WO9952487 A1, WO9720534 A1, WO0174286 A1, WO0069386 A2, USRE35201 E, US7926131 BB, US7703158 BB, US7610637 BB, US7533429 BB, US7520006 BB, US7506390 BB, US7454805 BB, US7441291 BB, US7406731 BB, US7296312 BB, US7171708 BB, US6978500 BB, US6880189 BB, US6826793 BB, US6789280 BA, US6691346 BB, US6658680 BB, US6611979 BB, US6539566 BA, US6486792 BA, US6481688 BA, US6473921 BB, US6438776 BB, US6351861 BA, US6336235 BA, US6320510 BB, US6208250 BA, US6199508 BA, US6185767 BA, US6182310 BA, US6163903 A, US6038718 A, US6008598 A, US5906017 A, US5906016 A, US5878452 A, US5802640 A, US5737781 A, US5723423 A, US5715548 A, US5708997 A, US5577280 A, US5542136 A, US5422521 A, US5300926 A, US5279010 A, US5255403 A, US5245718 A, US5235258 A, US5230113 A, US5222132 A, US5205004 A, US5191663 A, US5175897 A, US5161274 A, US5160010 A, US5105486 A, US5097550 A, US5072463 A, US4921295 A, US4862529 A, US4847929 A, US4821351 A, US4680790 A, US4675926 A, US4612679 A, US4484367 A, US4324010 A, US4195829 A, US4183015 A, US4038709 A, US3977664 A, US3916461 A, US3665528 A, US3233255 A, US3222693 A, US3220021 A, US3184765 A, US2799545 A, US2527111 A, US2009313758 AA, US2008289108 AA, US2008201851 AA, US2008201847 AA, US2008010748 AA, US2006168731 AA, US2006168730 AA, US2006162079 AA, US2006096029 AA, US2006075560 AA, US2006000021 AA, US2005172405 AA, US2005028281 AA, US2005000020 AA, US2004177445 AA, US2004128765 AA, US2004034936 AA, US2003115672 AA, US2003051292 AA, US2003051291 AA, US2003019038 AA, US2002080037 AA, US2002066142 AA, US2002059679 AA, US2002002742 AA, US2001032362 AA, US2001029628 AA, US2001027578 AA, US2001011393 AA, US1078077 A, NL6716888 A, JP2156950 A2, JP11299837 A2, DE3716917 A1, DE3313843 A1,

Forward Citations: US9687401, US9618383, US9498397, US9489818, US9474668, US9381125, US9306322, US9177465, US9009893, US2015290061, US2015182400, US2014057463, US2013340169, US2013269710, US2012174319, US2007180616,

Abstract:
Source: USRE43193E A bed for a person is provided. The bed includes a frame, a deck including a seat section and a foot section movable relative to the seat section. The bed further including a mechanism that control movement of the foot section relative to the seat section.

0) US2013187355A – WHEELCHAIRS

171) Family number: 47666055 (US2013187355A) © PatBase

Title: WHEELCHAIRS

Priority: GB20100015271 20100914 WO2011GB01339 20110913

Family:

Publication number	Publication date	Application number	Application date
AU2011303637 AA	20120322	AU20110303637	20110913
CA2808743 AA	20130219	CA20112808743	20110913
EP2616030 A1	20130724	EP20110760521	20110913
EP2616030 B1	20170426	EP20110760521	20110913
GB201015271 A0	20101027	GB20100015271	20100914
GB2483846 A1	20120328	GB20100015271	20100914
US2013187355 AA	20130725	US20110821214	20110913
US9050224 BB	20150609	US20110821214	20110913
WO12035295 A1	20120322	WO2011GB01339	20110913

Probable Assignee: CARBON BLACK SYSTEM LTD

Assignee(s):(std)**:** CARBON BLACK SYSTEM LTD ; IMAGINE LTD I ; SLORANCE ANDREW MACKAY

Assignee(s): I IMAGINE LTD

Inventor(s):(std)**:** SLORANCE ANDREW MACKAY

Inventor(s): ANDREW MACKAY SLORANCE

Agent(s): TJ IP PATENTS TRADE MARKS AND DESIGNS; TJIP PATENTS TRADE MARKS AND DESIGNS; OYEN WIGGS GREEN AND MUTALA LLP; MACDONALD KATE; KNOBBE MARTENS OLSON AND BEAR LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/02 A61G5/10 A61G5/12 B62M1/00 (Advanced/Invention)

CPC: A61G5/02 A61G5/022 A61G5/028 A61G5/10 A61G5/1067 A61G5/12 Y10T29/49826 A61G5/1054 A61G5/128

European class: A61G5/02G A61G5/10 A61G5/10S8 A61G5/12 K61G5/10H K61G5/12H

US class: 1/1 280/250.1 29/428

Classification Explorer

Cited documents: WO8803399 A1, WO07099565 A1, WO04108046 A1, USD664489 S1, US7841611 BB, US7360840 BB, US6702314 BA, US6375209 BA, US6241321 BA, US5507513 A, US5480179 A, US5480172 A, US5217239 A, US5028065 A, US4887826 A, US4366964 A, US3679257 A, US2012080246 AA, US2007012526 AA, US2005006871 AA, US2004084870 AA, NL9401066 A, JP7304302 A2, JP11347072 A2, GB2458852 A1, GB2448688 A1, GB2427674 A1, FR2700726 A1, EP1714629 A1, DE4114710 A1, AU2005100037 AD,

Forward Citations: WO15009369, USD788652, USD770331, US9408762, US2014333045, US2014062054, RU2538548,

Abstract:
Source: US2013187355A The invention relates to a wheelchair for example a wheelchair for an active user, a method of manufacturing a wheelchair and a wheel for a wheelchair. In further aspects the invention relates to a wheelchair, a footrest for a wheelchair, a wheelchair having a light, and a seat back for a wheelchair, a wheelchair that is water resistant.

172) Family number: 50961622 (BRPI1002756A) © PatBase

Title: sistema de posicionamento de emergencia por meio de um trem de potencia auxiliar
Positioning system emergency by means of a power train of auxiliary (Machine translation)

Priority: BR2010PI02756 20100715

Family:

Publication number	Publication date	Application number	Application date
BRPI1002756 A2	20120403	BR2010PI02756	20100715

Probable Assignee: BARROS OLIVEIRA LUCIANO

Assignee(s):(std)**:** BARROS OLIVEIRA LUCIANO

Assignee(s): LUCIANO BARROS OLIVEIRA

Inventor(s):(std)**:** BARROS OLIVEIRA LUCIANO

Inventor(s): LUCIANO BARROS OLIVEIRA

International class (IPC 8–9): B66B5/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI1002756A SISTEMA DE POSICIONAMENTO DE EMERGENCIA POR MEIO DE UM TREM DE POTENCIA AUXILIAR. O processo a ser proposto e um sistema de posicionamento de emergencia que pode efetuar a funcao de salvamento em sistemas de transporte vertical no caso de queda da rede de energia ou pane no trem de potencia principal. O sistema consiste basicamente em utilizar um trem de potencia auxiliar que atue no trem de potencia principal em paralelo estando alimentado diretamente por uma fonte de energia auxiliar como, por exemplo, uma bateria. O processo proposto e muito mais viavel que os sistemas convencionais que alimentam o motor principal atraves de conversores de corrente continua para corrente alternada porque o novo processo apresenta um motor de porte bem menor que o motor principal que pode ser alimentado diretamente pela bateria. A possibilidade de utilizar um motor de menor porte se da pelo menor esforco requerido devido a uma possivel relacao de reducao entre o motor auxiliar e o motor principal, motor este que poderia atuar somente no sentido que requer menos forca, no caso dos elevadores do tipo plataforma ciue sao movimentados por uma transmissao de fuso, o sentido seria o descendente.

Machine translation: EMERGENCY POSITIONING SYSTEM THROUGH AN AUXILIARY POWER TRAIN. The process being proposed and an emergency positioning system that can perform the function of bailout vertical transport systems in case of fall of the power grid or power train crash page. The system consists essentially in using an auxiliary power train that operates in the main power train in parallel being powered directly by an auxiliary power supply such as a battery. The proposed process and more viable than conventional systems that feed the main engine through a dc converters for AC because the new process has an engine size smaller than the main engine that can be powered directly by the battery. The possibility of using a smaller engine is the smallest of effort required due to a possible reduction ratio between the main engine and auxiliary engine, this engine that could act only in the sense that it requires less force, in the case of elevator–type platform ciue are moved by a transmission zone, the meaning would be descending.

0) US2014009561A – CUSTOMIZABLE ROBOTIC SYSTEM

173) Family number: 51109167 (US2014009561A) © PatBase

Title: CUSTOMIZABLE ROBOTIC SYSTEM

Priority: CA20102720886 20101112 CA20112817670 20111114 WO2011CA01251 20111114

Family:

Publication number	Publication date	Application number	Application date
CA2720886 AA	20120512	CA20102720886	20101112
CA2817670 AA	20130510	CA20112817670	20111114
JP2014506023 T2	20140306	JP20130538011T	20111114
JP5993376 B2	20160914	JP20130538011T	20111114
US2014009561 AA	20140109	US20110806382	20111114
US8994776 BB	20150331	US20110806382	20111114
WO12061932 A1	20120518	WO2011CA01251	20111114

Probable Assignee: CROSSWING INC

Assignee(s):(std)**:** COULOMBE SAM ; CROSSWING INC ; SUTHERLAND STEPHEN ; WICK DALE

Inventor(s):(std)**:** COULOMBE SAM ; SUTHERLAND STEPHEN ; WICK DALE

Agent(s): DENNISON ASSOCIATES; SUMIYOSHI KATSUHIKO; HALL S WARREN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A63H30/00 B25J19/02 B25J5/00 B25J9/00 B25J9/08 B60L11/00 B60R11/02 B60R11/04 B62D11/04 F16M11/04 F16M11/10 F16M11/18 F16M11/20 F16M11/24 F16M11/42 F16M13/00 G06F15/00 H04B7/26 H04N5/225 H04N5/30 H04N7/14 H04N7/15 H04N7/18 (Advanced/Invention); B25J5/00 B25J9/08 G06F15/00 H04N13/02 H04N5/262 (Advanced/Non–invention)

CPC: H04N7/142 B62D11/04 Y10S901/01 B25J5/007 B25J9/08 B25J19/023 F16M11/041 F16M11/10 F16M11/18 F16M11/24 F16M11/42 F16M13/00 F16M2200/08 H04N7/185

European class: B25J19/02B4 B25J5/00W B25J9/08 F16M11/04A F16M11/10 F16M11/18 F16M11/24 F16M11/42 F16M13/00 H04N7/18D2 R16M200/08

US class: 180/167 180/22 180/6.5 180/7.1 318/568.12 345/156 345/660 345/698 348/14.05 348/14.08 348/158 382/153 382/154 446/175 463/40 600/300 600/432 700/245 700/248 700/259 700/91 701/23 701/24 701/26 701/28 901/1

Classification Explorer

Cited documents: US8670017 BB, US8463435 BB, US8401275 BB, US7730978 BB, US7626569 BB, US7388981 BB, US6879879 BB, US6810976 BB, US6781606 BB, US6764373 BA, US6604021 BB, US6549215 BB, US6535793 BB, US6381515 BA, US6292713 BA, US6292713, US5350033 A, US5153833 A, US5051906 A, US4875172 A, US4709265 A, US2014009561 AA, US2011288684 AA, US2010268383 AA, US20100268383, US2008156547 AA, US2008085048 AA, US20080156547, US2007219654 AA, US2003232649 AA, JP201012529, JP2010012529 A2, JP2009509673 T2, JP2009509673, JP2009297892 A2, JP2009297892, JP2008229834 A2, JP2008229834, JP2005271094 A2, JP2005271094, JP2005161447 A2, JP2005161447, JP2003280739 A2, JP2003280739, JP2001298733 A2, JP2001298733,

Forward Citations: WO16179562, WO16065362, WO14120307, WO13033354, WO13033354, USD768024, USD765750, US9696813, US9677901, US9648302, US9629774, US9623715, US9600631, US9586318, US9578307, US9576460, US9566711, US9557740, US9552056, US9539723, US9527213, US9481087, US9475195, US9475192, US9452530, US9446510, US9430062, US9409292, US9348337, US9310884, US9275626, US9195911, US9191237, US9161012, US9053394, US9031698, US8994776, US8983662, US8972053, US8935014, US2016350589, US2016238105, US2016114488, US2015306768, US2015286789, US2015230427, US2015224640, US2015207961, US2015148960, US2015091853, US2015090055, US2015012163,

US2014293045, US2014277847, US2014135062, US2014039677, US2014015914, US2013127994, EP2693366,

Abstract:
Source: US2014009561A A telepresence robot uses a series of connectible modules and preferably includes a head module adapted to receive and cooperate with a third party telecommunication device that includes a display screen. The module design provides cost advantages with respect to shipping and storage while also allowing flexibility in robot configuration and specialized applications.

0) ES1077159U – LANZADERA AEREA PARA PERSONAS CON MOVILIDAD RED...

174) Family number: 51294730 (ES1077159U) © PatBase

Title: Lanzadera aerea para personas con movilidad reducida Aerial shuttle for disabled (Machine translation)

Priority: ES20120000477U 20120521

Family:

Publication number	Publication date	Application number	Application date
ES1077159 UA	20120611	ES20120000477U	20120521
ES1077159 Y1	20120907	ES20120000477U	20120521

Probable Assignee: UNIV MIGUEL HERNANDEZ

Assignee(s):(std)**:** UNIV ALICANTE ; UNIV MIGUEL HERNANDEZ

Assignee(s): UNIVERSIDAD DE ALICANTE ; UNIVERSIDAD MIGUEL HERNANDEZ

Inventor(s):(std)**:** ALONSO SERRANO JOSE LUIS ; CAUS PERTEGAZ NURIA ; MOLLA CANDELA MARIA ; TORTOSA MARTINEZ JUAN

Inventor(s): NURIA CAUS PERTEGAZ ; JOSE LUIS ALONSO SERRANO ; JUAN TORTOSA MARTINEZ ; MARIA MOLLA CANDELA

International class (IPC 8–9): A63B69/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1077159U 1. Lanzadera aerea para personas con movilidad reducida que comprende una estructura formada por los elementos:– Base de la lanzadera.– Soporte de la lanzadera.– Base giratoria.– Soporte vertical.– Cajon cerrado.Y un mecanizado electronico formado por los elementos:– Motor.– Al menos cuatro elementos digitales tipo interruptores o pulsadores.– Controlador que gestione la informacion de entrada y salida.– Fuente de alimentacion.que permite hacer lanzamientos aereos de proyectiles variando la direccion de lanzamiento, la distancia de lanzamiento y la intensidad de lanzamiento.2. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base de la lanzadera comprende los siguientes elementos:– Pieza soporte.– Guia de desplazamiento.– Dos piezas a modo de topes.3. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte de la lanzadera comprende los siguientes elementos:– Plataforma rectangular.– Pieza en forma de "T" invertida.4. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde la base giratoria de la lanzadera comprende los siguientes elementos:– Pieza en forma de cruz. Pieza en forma de seta.5. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el soporte vertical comprende los siguientes elementos:– Pieza rectangular delantera.– Dos piezas laterales en forma de trapecio.– Pieza rectangular trasera.6. Lanzadera aerea para personas con movilidad reducida segun la reivindicacion 1, donde el cajon cerrado comprende los siguientes elementos:– Pieza en forma de paleta.– Dos piezas iguales en los laterales.– Pieza en forma de cuna en la parte superior.– Pieza en la parte inferior.

Machine translation: 1. Aerial shuttle for disabled guests comprising a structure formed by the elements: – Base of the shuttle. – Support of the shuttle. – Swivel base. – Support vertical. – Cajon cerrado.Y electronic machining comprising the elements: – Motor. – At least four elements type digital switches or buttons. – Controller to manage the input and output information. – Power alimentacion.que allows aerial missile launches by varying the direction of launch, the launch distance and intensity of lanzamiento.2. Aerial shuttle for disabled according to claim 1, wherein the base of the shuttle comprises the following elements: – part support. – Travel Guide. – Two pieces topes.3 mode. Aerial shuttle for disabled according to claim 1, wherein the support of the shuttle comprises the following elements: – rectangular platform. – Part in a "T" invertida.4. Aerial shuttle for disabled according to claim 1, wherein the swivel base of the shuttle comprises the following elements: – part in a cross. Seta.5 shaped piece. Aerial shuttle for disabled according to claim 1, wherein the vertical support includes the following elements: – rectangular front part. – Two side pieces in the form of a trapezoid. – Part rectangular trasera.6. Aerial shuttle for disabled according to claim 1, wherein the closed drawer comprises the following elements: – paddle–shaped part. – Two equal parts on the sides. – Cradle–shaped piece at the top. – Piece the bottom.

175) Family number: 51336562 (US2012164114A) © PatBase

Title: TREATMENT OF IMMUNE–RELATED DISEASES AND DISORDERS USING AMNION DERIVED ADHERENT CELLS

Priority: EP20110849864 20111215 US20100424593P 20101217 US20110327315 20111215 WO2011US65158 20111215

Family:

Publication number	Publication date	Application number	Application date
AU2011343736 AA	20120621	AU20110343736	20111215
CA2821809 AA	20130614	CA20112821809	20111215
CN103403150 A	20131120	CN201180067916	20111215
DE602011028226 D1	20160825	DE201160028226T	20111215
EP2652126 A1	20131023	EP20110849864	20111215
EP2652126 A4	20140514	EP20110849864	20111215
EP2652126 B1	20160713	EP20110849864	20111215
ES2599331 T3	20170201	ES20110849864T	20111215
IL226951 A0	20130829	IL20110226951	20111215
JP2014501249 T2	20140120	JP20130544778T	20111215
KR20130128438 A	20131126	KR20137018646	20111215
MX2013006791 A1	20130906	MX20130006791	20111215
MX345730 B	20170214	MX20130006791	20111215
NZ611981 A	20150731	NZ20110611981	20111215
US2012164114 AA	20120628	US20110327315	20111215
WO12083021 A1	20120621	WO2011US65158	20111215

Probable Assignee: ANTHROGENESIS CORP

Assignee(s):(std)**:** EDINGER JAMES W ; FRANCKI ALEKSANDAR ; LIANG BITAO ; JANKOVIC VLADIMIR ; ABBOT STEWART ; ANTHROGENESIS CORP

Assignee(s): ANTHROGENESIS WARREN CORP

Inventor(s):(std)**:** VLADIMIR JANKOVIC ; STEWART ABBOT ; JAMES W EDINGER ; BITAO LIANG ; ALEKSANDAR FRANCKI ; LIANG BITAO ; JANKOVIC VLADIMIR ; FRANCKI ALEKSANDAR ; EDINGER JAMES W ; ABBOT STEWART

Inventor(s): LIANG BITAO CLOSTER ; JANKOVIC VLADIMIR NEW YORK ; FRANCKI ALEKSANDAR ANNANDALE ; EDINGER JAMES W BELFORD ; ABBOT STEWART WARREN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; BEZZUBOVA OLGA; DE ELZABURU ALBERTO; INSOGNA ANTHONY M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61K35/12 A61K35/14 A61K35/28 A61K35/44 A61K35/48 A61K35/50 A61K35/54 A61K48/00 A61P1/00 A61P1/02 A61P1/04 A61P1/12 A61P1/14 A61P1/16 A61P11/00 A61P11/02 A61P11/06 A61P13/02 A61P13/10 A61P13/12 A61P15/02 A61P15/08 A61P17/00 A61P17/02 A61P17/06 A61P17/14 A61P19/00 A61P19/02 A61P19/04 A61P21/00 A61P21/02 A61P21/04 A61P25/00 A61P25/02 A61P25/08 A61P25/14 A61P25/18 A61P25/26 A61P27/02 A61P27/16 A61P29/00 A61P3/02 A61P3/10 A61P31/12 A61P35/00 A61P37/00 A61P37/02 A61P37/06 A61P37/08 A61P43/00 A61P5/16 A61P5/40 A61P7/00 A61P7/04 A61P7/06 A61P9/00 A61P9/04 A61P9/08 A61P9/10 C12N C12N5/071 C12N5/073 C12N5/0775 C12Q1/02 C12Q1/68 (Advanced/Invention); C12N5/071 (Advanced/Non–invention)

CPC: C12N5/0605 A61K35/50 A61K2035/122 C12N5/0668 C12N2509/00 A61K35/48 C12N5/0602

European class: A61K35/50 C12N5/06B13P9 C12N5/06B2L K61K35/12A M12N509/00

US class: 424/93.7 424/93.700P

Classification Explorer

Cited documents: WO11064669 A2, WO10059828 A1, WO08100498 A2, US2010124569 AA, US2009124573 AA,

Forward Citations: WO15120077, WO14209855, WO14131877, WO14063035, WO14063035, US9616152, US9480549, US9446077, US9358320, US8768049, US2015216907, US2015023926, US2014016830, JP6114840, JP2016510013, JP2015536326, EP3068432, EP3053589, AU2014222671,

Abstract:
Source: US2012164114A Provided herein are methods of using amnion derived adherent cells, and populations of, and compositions comprising, such cells, in the modulation of an immune response. In various embodiments, the immune response is graft−versus−host disease, an allergy, asthma, or an immune−related disease or disorder, e.g., an autoimmune disease.

0) US2012169025A – ASYMMETRIC OPEN–ACCESS WHEEL CHAIR

176) Family number: 51425104 (US2012169025A) © PatBase

Title: ASYMMETRIC OPEN–ACCESS WHEEL CHAIR

Priority: US20100983264 20101231 US20110249278 20110930 US20110505487P 20110707

Family:

Publication number	Publication date	Application number	Application date
US2012169025 AA	20120705	US20100983264	20101231
US2012169026 AA	20120705	US20110249278	20110930
US8585071 BB	20131119	US20110249278	20110930

Probable Assignee: GOLDEN JR STEPHEN C

Assignee(s):(std)**:** GOLDEN JR STEPHEN C ; GOLDEN JR STEVE STEPHEN CHARLES

Inventor(s):(std)**:** GOLDEN JR STEPHEN C ; GOLDEN JR STEVE STEPHEN CHARLES

International class (IPC 8–9): A61G5/02 A61G5/10 (Advanced/Invention)

CPC: A61G5/1054 A61G5/1089 A61G5/128 A61G5/02 A61G5/10 A61G5/12

European class: A61G5/02 A61G5/10 A61G5/12 K61G5/10H K61G5/10Z5 K61G5/12H

US class: 280/250.1 280/250.100P 280/304.1

Classification Explorer

Cited documents: WO9816182 A1, WO9502385 A1, USD602405 S1, USD601484 S1, USD506165 S1, USD488109 S1, USD444422 S1, USD365788 S1, USD365787 S1, USD365786 S1, USD285187 S1, US7735847 BB, US7651103 BA, US7520518 BB, US7404567 BB, US7387310 BA, US7387210 BB, US7284299 BB, US7063344 BB, US6443268 BA, US6244779 BA, US5689999 A, US5681049 A, US5586363 A, US5517718 A, US5480172 A, US5409247 A, US5320373 A, US5280937 A, US5273304 A, US5267744 A, US5263729 A, US5149118 A, US5116067 A, US5076599 A, US4770432 A, US4511157 A, US4432116 A, US4364580 A, US4097954 A, US3876255 A, US3679257 A, US2011221161 AA, US2010259029 AA, US2007096427 AA, US2006181051 AA,

Forward Citations: WO17037648, USD780642, US9700469, US9662251, US9474664, US9056036, US8985600, US8973925, US2016151215, US2016008192, US2015115566, US2014102816, US2014035260, US2013306383, ES2556163, CN102824726,

Abstract:
Source: US2012169025A An asymmetric wheelchair is disclosed having a forward wheel assembly with a forward wheel support on one side of the wheelchair leaving an opening for ease of access on the other side.

0) EP2489573B1 – FAHRZEUG MIT MANUELLER HILFSSTARTVORRICHTUNG H...

177) Family number: 51756019 (EP2489573B1) © PatBase

Title: FAHRZEUG MIT MANUELLER HILFSSTARTVORRICHTUNG HAND CART WITH MANUALLY ASSISTED STARTING

Priority: EP20120155443 20120214 FR20110051256 20110216

Family:

Publication number	Publication date	Application number	Application date
DE602012008500 D1	20150820	DE201260008500T	20120214
EP2489573 A1	20120822	EP20120155443	20120214
EP2489573 B1	20150708	EP20120155443	20120214
FR2971474 A1	20120817	FR20110051256	20110216

Probable Assignee: COUTIER IND

Assignee(s):(std)**:** COUTIER IND

Assignee(s): COUTIER INDUSTRIE

Inventor(s):(std)**:** COUTIER CHARLES

Inventor(s): CHARLES COUTIER

Agent(s): LAVIALLE BRUNO FRANCOIS STEPHANE; CABINET BOETTCHER

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): B62B3/00 B62B5/00 B62B5/04 (Advanced/Invention)

CPC: B62B5/049 B62B5/0026

Classification Explorer

Cited documents: WO9534463 A1, US3917171 A, US2004066016 AA, FR2919253 A1, FR2899750 A1, FR2613996 A1, DE1254496 B, CH112016 A,

Forward Citations: EP2540593,

Abstract:
The carriage (1) has a platform (1a) connected to a startup lever (3) by a hinge rotating around an axle (4) perpendicular to direction of displacement to be transmitted to the carriage. A compressible pad (6) is turned toward ground (S) and carried by a free end of a connecting rod (5). The rod is articulated with a lower part (3b) of the lever at an end of the rod. The free end of the rod is mounted to slide against a lower track (10) of a cam (8) secured to the platform to ensure and maintain compression of the pad resting against the ground during motor rotation of the lever.

0) US2012216347A – RECIPROCATING ROCKING DEVICE

178) Family number: 51789474 (US2012216347A) © PatBase

Title: RECIPROCATING ROCKING DEVICE

Priority: CA20122769052 20120223 US20110228866 20110909 US20110446261P 20110224 US20140524728 20141027

Family:

Publication number	Publication date	Application number	Application date
CA2769052 AA	20120824	CA20122769052	20120223
US2012216347 AA	20120830	US20110228866	20110909
US2015040694 AA	20150212	US20140524728	20141027
US9574647 BB	20170221	US20140524728	20141027

Probable Assignee: MOSEY ACEA M

Assignee(s):(std)**:** FINI ANTHONY W ; FINI ANTHONY W JR ; FINI JR ANTHONY W ; MOSEY ACEA M ; TUNDO VINCENT E

Inventor(s):(std)**:** FINI ANTHONY W ; FINI ANTHONY W JR ; FINI JR ANTHONY W ; TUNDO VINCENT E

Agent(s): GELSING SANDER R; SIMPSON AND SIMPSON PLLC

International class (IPC 8–9)**:** A47B96/00 A47C3/02 A47C3/027 A47C3/029 A47C31/00 A47C7/62 A47D9/02 A61G5/10 B62B9/22 B62M1/14 F16H19/02 F16H21/16 F16H21/40 (Advanced/Invention); F16H21/24 (Advanced/Non–invention)

CPC: A47D9/02 A47C3/029 F16H21/40 A61G5/10 A47C3/02 A47C3/027 F16H21/24 Y10T74/18056 Y10T74/18216

European class: A47C3/02 A47C3/029 A47D9/02

US class: 280/250.1 280/250.100S 297/260.1 297/260.100S 297/260.2 297/260.200S 5/109 5/109P 74/25 74/25S 74/45

Classification Explorer

Cited documents: US8398169 BB, US7100724 BB, US6793229 BA, US60793 A, US5643143 A, US5476429 A, US529816 A, US5002144 A, US4969451 A, US4768497 A, US4419777 A, US418571 A, US4118046 A, US4042102 A, US3886608 A, US3019052 A, US2888086 A, US2805427 A, US2632517 A, US2496733 A, US1985131 A, US1795246 A, US1704914 A,

Forward Citations: US8888185, US8857907, US2015266543, US2013292981, US2013088059, CN104490170, CN102835853, CN102835853,

Abstract:
Source: US2012216347A A motorized apparatus that produces either rocking or gliding motion, includes a gear motor with a drive shaft; a drive mechanism to functionally connect to a device to be rocked; the drive mechanism being either an actuating linkage or an eccentric that is rotatably coupled to both said drive shaft and said device to be rocked or glided translating rotary motion of the drive shaft when powered to said drive mechanism, that translates the motion to said device to be rocked or glided providing continuously smooth rocking motion to any device that is enhanced by being able to be rocked or glided, such as a cradle, rocker, or wheel chair.

0) DE102011005238B4 – ARRETIERBARE RAMPE

179) Family number: 51911233 (DE102011005238B4) © PatBase

Title: Arretierbare Rampe

Priority: DE201110005238 20110308

Family:

Publication number	Publication date	Application number	Application date
DE102011005238 A1	20120913	DE201110005238	20110308
DE102011005238 B4	20141106	DE201110005238	20110308

Probable Assignee: BOMBARDIER TRANSP GMBH

Assignee(s):(std)**:** BOMBARDIER TRANSP GMBH

Assignee(s): BOMBARDIER TRANSPORTATION GMBH

Inventor(s):(std)**:** MEDER ANDREAS

International class (IPC 8–9)**:** B60P1/43 B60R3/02 B61D19/00 B61D23/00 B61D47/00 (Advanced/Invention)

CPC: B61D23/02

Classification Explorer

Cited documents: JP9194039 A2, DE29706590 U1,

DE102011004453 A1

Abstract:
Source: DE102011005238B4 Rampe (1), insbesondere zum Ein– und Ausstieg von Rollstuhlfahrern bei Schienenfahrzeugen, mit – einem Rampenelement (2) zum ueberbruecken eines Zwischenraums, wobei das Rampenelement (2) einen ersten und einen zweiten Seitenrand (3a, 3b) aufweist, die einander gegenueberliegen, – einem ersten und einem zweiten Befestigungsarm (4a, 4b) zur Fixierung der Rampe in ihrem Betriebszustand am Einstiegsbereich eines Fahrzeugs oder an einem Bahnsteig, wobei – der erste Befestigungsarm (4a) an verschiedenen Positionen entlang des ersten Seitenrands (3a) des Rampenelements (2) an dem Rampenelement befestigbar ist und der zweite Befestigungsarm (4b) an verschiedenen Positionen entlang des zweiten Seitenrands (3b) des Rampenelements an dem Rampenelement befestigbar ist, und – jeder Befestigungsarm (4a, 4b) in einem von dem Rampenelement entfernten Bereich ein Befestigungsmittel (5a, 5b) aufweist, das mit einem korrespondierenden Mittel, welches bodenseitig im Einstiegsbereich eines Fahrzeugs oder an einem Bahnsteig vorgesehen ist, verbindbar ist.

0) US2012238921A – DIFFERENTIAL AIR PRESSURE SYSTEMS AND METHODS O...

180) Family number: 51947392 (US2012238921A) © PatBase

Title: DIFFERENTIAL AIR PRESSURE SYSTEMS AND METHODS OF USING AND CALIBRATING SUCH SYSTEMS FOR MOBILITY IMPAIRED USERS

Priority: US20110454432P 20110318 US20120423124 20120316

Family:

Publication number	Publication date	Application number	Application date
US2012238921 AA	20120920	US20120423124	20120316
WO12129125 A2	20120927	WO2012US29554	20120316
WO12129125 A3	20140501	WO2012US29554	20120316

Probable Assignee: ALTERG INC

Assignee(s):(std)**:** ALTERG INC ; DONALD TREVOR L ; GRENEWETZKI DAVID P ; MANGSETH GLEN R ; LOEW CHRISTOPHER ; KRIEG KENNETH R ; JUE CLIFFORD T ; KUEHNE ERIC RICHARD

Assignee(s): SILICON VALLEY BANK ; GENERAL ELECTRIC CAPITAL AGENT AS CORP

Inventor(s):(std)**:** DONALD TREVOR L ; GRENEWETZKI DAVID P ; JUE CLIFFORD T ; KRIEG KENNETH R ; KUEHNE ERIC RICHARD ; LOEW CHRISTOPHER ; MANGSETH GLEN R

Agent(s): PAI FRANCES L ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61F2/72 A61H1/02 (Advanced/Invention)

CPC: A61H1/0229 A61H2201/0103 A61H2201/0161 A61H2201/0173 A61H2201/1652 A61H2201/5061 A61H2201/5071 A61H2201/5097 A61H2203/0406 A61H2203/0431 A61H2230/80 A63B2208/053 A63B22/0235 A63B69/0064 A63B71/0009 A63B2022/0094 A63B2071/0018 A63B2220/51 A63B2225/50 A61H9/005

US class: 601/5

Classification Explorer

Cited documents: WO09151750 A1, US7762930 BB, US6609054 BB, US6273844 BA, US5830162 A, US5662311 A, US5623944 A, US5273502 A, US2009036272 AA, US2008246581 AA, US2004019304 AA, US2003153438 AA, US2002025889 AA, US1336774 A,

Forward Citations: WO15195983, WO14153201, WO14152862, WO14144158, US9649243, US9642764, US9561149, US9492258, US9272175, US9194977, US2014123984, US2014113775, EP3031500, CN105662678, CN105579014,

Abstract:
Source: US2012238921A Described herein are various embodiments of differential air pressure systems and methods of using and calibration such systems for individuals with impaired mobility. The differential air pressure systems may comprise an access assist device configured to help a mobility impaired user to stand in a pressure chamber configured to apply a positive pressure on a portion of the user's body in the seals pressure chamber. The system may further comprise load sensors configured to measure the user's weight exerted inside and outside the chamber. The system may be calibrated by determining a relationship between the actual weight of the user and the pressure in the chamber, where the actual weight of the user may be measured by more than one load sensor and at least one load sensor is not in the chamber.

0) WO12163529A1 – DEVICE FOR MOVING A VEHICLE VORRICHTUNG ZUM BE...

181) Family number: 51967945 (WO12163529A1) © PatBase

Title: DEVICE FOR MOVING A VEHICLE

Priority: DE201120102493U 20110603 DE201220005361U 20120531

Family:

Publication number	Publication date	Application number	Application date
DE202012005361 U1	20120927	DE201220005361U	20120531
WO12163529 A1	20121206	WO2012EP02306	20120531

Probable Assignee: MAYER FRANK F E

Assignee(s):(std)**:** MAYER FRANK F E

Assignee(s): MAYER FRANK FE ; MAYER ; MAYER FRANK F

Inventor(s):(std)**:** MAYER FRANK F E

Inventor(s): MAYER FRANK F

Agent(s): REBLE KLOSE AND SCHMITT ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B62B5/06 B62B9/20 B62C1/08 (Advanced/Invention)

CPC: B62B5/068

Classification Explorer

Cited documents: US6131917 A, US2008296851 AA, US2006055128 AA, FR2858288 A1,

Abstract:
The invention relates to a device for moving a vehicle (10) by means of a person, wherein the vehicle (10) has an actuating element (8) via which a connection can be produced to the person in order to move the vehicle (10). The device is intended to be designed to the effect that a vehicle even having greater loads can be moved untiringly and in particular without health problems, wherein easy handling is made possible and the connection to the vehicle (10) can be produced or released again in a simple manner. For this purpose, it is proposed to provide a supporting body (2) which is provided with a fastening device (14) and in particular can be strapped onto the person's bottom by means of a belt, wherein the supporting body (2) is connected to a drawbar (4), and wherein the drawbar (4) is connected to the actuating element (8) of the vehicle (10) by means of at least one connecting body (6, 7).

0) US2012253837A – MEDICAL KIOSK AND METHOD OF USE

182) Family number: 52078575 (US2012253837A) © PatBase

Title: MEDICAL KIOSK AND METHOD OF USE

Priority: CN201180069811 20111208 US20110314473 20111208 US20110403857F 20111012 US20110541719P 20110930 US20110469851P 20110331 US20120595863P 20120207 US20120596288P 20120208 US20120595919P 20120207 US20120595913P 20120207 US20120595886P 20120207 US20120595879P 20120207 US20120595876P 20120207 US20120595871P 20120207 US20120596203P 20120208 US20130755662P 20130123 US20120596306P 20120208 US20120596304P 20120208 US20120596302P 20120208 US20120596298P 20120208 US20120596294P 20120208 US20120596290P 20120208 US20130760345 20130206 WO2011US63895 20111208 US20140335037 20140718 US20130847741P 20130718 US20130847745P 20130718 US20130847753P 20130718 US20130847760P 20130718 US20140016193P 20140624 US20150663792 20150320 WO2013US24911 20130206

Family:

Publication number	Publication date	Application number	Application date
CA2826071 AA	20130730	CA20112826071	20111208
CA2863959 AA	20140806	CA20132863959	20130206
CN103459733 A	20131218	CN201180069811	20111208
CN103459733 B	20160406	CN201180069811	20111208
CN104244812 A	20141224	CN201380018091	20130206
CN104878958 A	20150902	CN201510300366	20111208
EP2712378 A1	20140402	EP20110862186	20111208
EP2712378 A4	20150304	EP20110862186	20111208
EP2811897 A1	20141217	EP20130746087	20130206
EP2811897 A4	20161026	EP20130746087	20130206
IN06673CN2014 A	20160701	IN2014CN06673	20140905
IN07727CN2013 A	20160831	IN2013CN07727	20130924
US2012253837 AA	20121004	US20110314473	20111208
US2013173287 AA	20130704	US20130760345	20130206
US2014330579 AA	20141106	US20140335037	20140718
US2015199783 AA	20150716	US20150663792	20150320
US8996392 BB	20150331	US20110314473	20111208
US9043217 BB	20150526	US20130760345	20130206
USD694909 S1	20131203	US20110403857F	20111012
WO12134556 A1	20121004	WO2011US63895	20111208
WO13119646 A1	20130815	WO2013US24911	20130206

Probable Assignee: RITE AID HDQTRS CORP

Assignee(s):(std)**:** CASHMAN STEVE ; HEALTHSPOT INC ; NOTTINGHAM JOHN R ; KALMAN JEFFREY ; SPIRK JOHN W ; TILK JASON G

Assignee(s): RITE AID HDQTRS CORP ; HEALTHSPOT INC545 METRO PLACE SOUTHSUITE 430DUBLINOH43017US ; DIRECTOR OF OHIO DEVELOPMENT SERVICES AGENCY

Inventor(s):(std)**:** CASHMAN STEVE ; KALMAN JEFFREY ; NOTTINGHAM JOHN R ; SPIRK JOHN W ; TILK JASON G ; MULLINS KATHY ; HIPSHER BRIAN

Inventor(s): TILK JASON GUS ; SPIRK JOHN WUS ; NOTTINGHAM JOHN RUS ; KALMAN JEFFREYUS ; CASHMAN STEVEUS

Agent(s): DEETH WILLIAMS WALL LLP; GROSSE SCHUMACHER KNAUER VON HIRSCHHAUSEN; FAY SHARPE LLP; TURUNG BRIAN E

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK

SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/00 A61B5/02 A61B5/0205 A61B5/022 A61B50/10 A61G99/00 E04H1/12 E04H3/08 G06F19/00 G06Q10/10 G06Q50/00 G06Q50/22 G06Q50/24 H04N21/431 H04N21/472 H04N7/14 H04N7/15 H04W4/00 (Advanced/Invention); A61B19/02 (Advanced/Non–invention)

CPC: G06Q50/24 G06F19/328 G06F19/3456 A61B5/022 A61B5/0205 A61B5/7465 A61B5/0022 G06Q10/1095 G06F19/3462 E04H1/1205 E04H1/1222 E04H3/08 G06F19/3418 G06Q10/10 H04N7/141 G06Q50/22 G06F19/30

US class: 705/2 D25/1

Locarno class: 25/03

Classification Explorer

Cited documents: WO11026146 A2, USRE42288 E, USD664667 S1, USD638551 S1, USD577127 S1, USD526065 S1, USD521155 S1, USD344140 S1, USD334985 S1, US8337409 BB, US8321284 BB, US8285560 BB, US8260630 BB, US8140663 BB, US8096083 BB, US8095340 BB, US8078431 BB, US8078407 BA, US8027809 BB, US8015138 BB, US8015025 BB, US8005691 BB, US7987100 BB, US7979284 BB, US7970633 BB, US7970620 BB, US7949383 BB, US7941327 BB, US7941326 BB, US7941323 BB, US7921186 BB, US7912733 BB, US7904310 BB, US7877271 BB, US7870249 BB, US7860725 BB, US7831444 BB, US7822625 BB, US7818183 BB, US7761312 BB, US7753845 BB, US7734718 BB, US7730177 BB, US7707270 BB, US7691059 BB, US7624028 BA, US7613620 BB, US7587469 BB, US7533171 BB, US7516192 BB, US7435222 BB, US7320030 BB, US7310668 BB, US7300402 BB, US7297111 BB, US7297109 BB, US7252636 BB, US7223236 BB, US7188151 BB, US7112175 BB, US7011629 BB, US6968375 BA, US6850889 BA, US6790178 BA, US6748353 BA, US6731324 BB, US6725209 BA, US6692436 BA, US6668375 BA, US6641532 BB, US6638218 BB, US6595918 BB, US6594607 BB, US6540673 BB, US6511435 BA, US6449001 BA, US6428124 BA, US6403897 BA, US6381577 BA, US6369847 BA, US6368273 BA, US6302844 BA, US6295767 BA, US6270455 BA, US6248065 BA, US6248064 BA, US6224548 BA, US6206829 BA, US6205716 BA, US6113540 A, US6101478 A, US6071236 A, US6046761 A, US6022315 A, US6007459 A, US5997476 A, US5987519 A, US5910107 A, US5897493 A, US5868669 A, US5810747 A, US5801755 A, US5727353 A, US5660176 A, US5646605 A, US5619991 A, US5558638 A, US5544649 A, US5441047 A, US5393964 A, US5036779 A, US4884514 A, US3838545 A, US2014018779 AA, US2013013333 AA, US2012253837 AA, US2012203466 AA, US2012185278 AA, US2012179479 AA, US2012130739 AA, US2012130647 AA, US2012004525 AA, US2011288888 AA, US2011191117 AA, US2011161475 AA, US2011122995 AA, US2011106557 AA, US2011009707 AA, US2011004487 AA, US2010332250 AA, US2010274835 AA, US2010146300 AA, US2010030580 AA, US2009241177 AA, US2009240702 AA, US2009240528 AA, US2009240527 AA, US2009240524 AA, US2009240116 AA, US2009240115 AA, US2009167838 AA, US2009143652 AA, US2009083066 AA, US2008213128 AA, US2008162393 AA, US2008059247 AA, US2008052318 AA, US2008052119 AA, US2008051640 AA, US2008051638 AA, US2007299321 AA, US2007265869 AA, US2007213605 AA, US2007168504 AA, US2007168242 AA, US2007156893 AA, US2007130287 AA, US2007118588 AA, US2007073113 AA, US2007061167 AA, US2007021984 AA, US2007016445 AA, US2007011320 AA, US2006293572 AA, US2006287931 AA, US2006287889 AA, US2006285736 AA, US2006285660 AA, US2006271214 AA, US2006259332 AA, US2006259201 AA, US2006241975 AA, US2006235722 AA, US2006217056 AA, US2006200319 AA, US2006189853 AA, US2006080152 AA, US2006069753 AA, US2006010014 AA, US2005256739 AA, US2005228883 AA, US2005071916 AA, US2004249778 AA, US2004230458 AA, US2004107116 AA, US2004019505 AA, US2004019503 AA, US2004019261 AA, US2004019259 AA, US2004006496 AA, US2003163351 AA, US2003088441 AA, US2003028399 AA, US2001011224 AA, DE10129835 A1, CN2706553 Y, CN1884776 A, CN101903886, CN101065056 A,

Forward Citations: WO17087926, WO16165181, WO16094903, WO15109378, WO15100469, WO15057442, WO14121079, WO14121079, WO14080081, USD743553, US9724001, US9692829, US9682200, US9649032, US9643770, US9641524, US9589107, US9585616, US9572550, US9566395, US9538992, US9465918, US9460557, US9386950, US9330520, US9277863, US9198306, US9043217, US8996392, US8842156, US8776446, US8776445, US2017011361, US2016253747, US2016224958, US2016163034, US2016104122, US2016071078, US2016062987, US2016012385, US2015297914, US2015234998, US2015213209, US2015205467, US2015178464, US2015134346, US2015134345, US2015120312, US2015087256, US2015078536, US2015006194, US2014354214, US2014350418, US2014289074, US2014275842, US2014249844, US2014229194, US2014228648, US2014081656, US2013197950, US2013070090, US2011092782, EP3069314, EP2999401, EP2940612, EP2885759,

CN105133871, CN104897885, CN103455962,

Abstract:
Source: US2012253837A A medical kiosk having a modular configuration and designed to provide tele−med services to a user. The medical kiosk includes first and second front panels, first and second rear panels, an interior chamber, a chamber access opening, and a user video conferencing system in the interior chamber. The user video conferencing system is designed to enable the user in the interior chamber to have a real−time or near real−time tele−conference with a medical provider located remotely from the medical kiosk.

0) US2012270668A – BOWLING AID FOR PHISICALLY IMPAIRED

183) Family number: 52187256 (US2012270668A) © PatBase

Title: BOWLING AID FOR PHISICALLY IMPAIRED

Priority: US20110066657 20110421

Family:

Publication number	Publication date	Application number	Application date
US2012270668 AA	20121025	US20110066657	20110421

Probable Assignee: COGSWELL ANTHONY WAYNE

Assignee(s):(std)**:** COGSWELL ANTHONY WAYNE

Inventor(s):(std)**:** COGSWELL ANTHONY WAYNE

International class (IPC 8–9)**:** A63D5/00 (Advanced/Invention)

CPC: A63D5/02

European class: A63D5/02

US class: 473/56

Classification Explorer

Cited documents: US7918237 BA, US5478283 A, US5333867 A, US5271619 A, US4252318 A, US3228693 A, US3163422 A, US2435855 A, US2263602 A, US2008257392 AA,

Abstract:
Source: US2012270668A A bowling device is disclosed for propelling a bowling ball. The bowling device comprises a base defining an upper side and a lower side. A rotating device rotatably engaging the base for permitting the base to traverse over a surface. A shaft extends between an upper end and a lower end. A coupler secures the lower end of the shaft to the base. The upper end of the shaft includes a handle for the bowler to engage the bowling device. A support plate is secured to the base and the support plate has a longitudinal concave curvature and a lateral concave curvature for conforming to the bowling ball and retaining the bowling ball during movement of the base. The bowling ball is propelled from the support plate upon deceleration of the base in a forward direction to thrust the bowling ball toward the bowing pins.

0) US2014232085A – GEAR–SHIFTING SYSTEM FOR MANUALLY PROPELLED WHE...

184) Family number: 52892099 (US2014232085A) © PatBase

Title: GEAR–SHIFTING SYSTEM FOR MANUALLY PROPELLED WHEELCHAIRS

Priority: US20110512276P 20110727 US20120234799 20120727 WO2012US48598 20120727

Family:

Publication number	Publication date	Application number	Application date
US2014232085 AA	20140821	US20120234799	20120727
US9707138 BB	20170718	US20120234799	20120727
WO13016655 A1	20130131	WO2012US48598	20120727

Probable Assignee: BOARD OF TRUSTEES OF UNIV OF ILLINOIS

Assignee(s):(std)**:** BOARD OF TRUSTEES OF UNIV OF ILLINOIS ; DAIGLE SCOTT ; DAIGLE SCOTT C ; HSIAO WECKSLER ELIZABETH T ; UNIV ILLINOIS

Assignee(s): THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Inventor(s):(std)**:** DAIGLE SCOTT ; DAIGLE SCOTT C ; HSIAO WECKSLER ELIZABETH T

Agent(s): GREER BURNS AND CRAIN LTD; STEVEN P; FALLON STEVEN P ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/02 A61G5/04 A61G5/10 B62B1/00 (Advanced/Invention)

CPC: A61G5/021 A61G5/02 A61G5/022 A61G5/024 A61G5/023 A61G5/045 A61G5/048 A61G5/1054 A61G2203/20 A61G2203/32 A61G2203/36 A61G2203/38 A61G2203/42

US class: 280/250.1

Classification Explorer

Cited documents: WO04016496 A1, US6805371 BB, US6047980 A, US5482305 A, US5362081 A, US3563568 A, US2956443 A, US2010264620 AA, US2010160109 AA, US2010131164 AA, US2010062884 AA, US2009166995 AA, US2008252036 AA, US2008238022 AA, US2008073869 AA, US2008039270 AA, US2008029992 AA, US2006197302 AA, US2006124366 AA, US2005229731 AA, US2003057673 AA, DE4211338 A1,

Abstract:
Source: US2014232085A Apparatus for a manually–powered wheelchair comprising a frame and first and second wheel rotatably coupled to the frame. Each wheel includes a hand rim and a drive wheel. For each of the first and second wheels, a multiple speed transmission coupled to the wheel comprises a transmission output coupled to the drive wheel, a transmission input coupled to the hand rim, and at least two gears selectively coupling the transmission output to the transmission input. The transmission allows the drive wheel and the hand rim to rotate concentrically with one another but at different speeds. A selector is provided for selecting one of the at least two gears. A controller controls the selector to operate the transmission for the first and/or second wheel.

0) US2013055542A – SYSTEMS AND METHODS FOR SECURING MOBILE MEDICAL...

185) Family number: 53176153 (US2013055542A) © PatBase

Title: SYSTEMS AND METHODS FOR SECURING MOBILE MEDICAL EQUIPMENT SUPPORTER SYSTEMS TO PATIENT TRANSPORTERS

Priority: US20110225091 20110902 US20130010447 20130826 WO2012US53422 20120831 US20140480485 20140908

Family:

Publication number	Publication date	Application number	Application date
AU2012301639 AA	20130307	AU20120301639	20120831
EP2750651 A1	20140709	EP20120828783	20120831
EP2750651 A4	20150520	EP20120828783	20120831
US2013055542 AA	20130307	US20110225091	20110902
US2014064828 AA	20140306	US20130010447	20130826
US2015059150 AA	20150305	US20140480485	20140908
US8827215 BB	20140909	US20110225091	20110902
WO13033583 A1	20130307	WO2012US53422	20120831
WO15031394 A1	20150305	WO2014US52755	20140826

Probable Assignee: HILTON RANDALL

Assignee(s):(std)**:** HILTON RANDALL ; HILTON RANDALL D

Inventor(s):(std)**:** HILTON RANDALL D

Agent(s): DAVIES COLLISON CAVE; EVANS HUW DAVID DUNCAN; KANG S; LIM KANG S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G12/00 A61G7/05 A61M5/14 B23P11/00 F16B17/00 F16B2/10 F16B2/12 F16B7/04 F16B7/10 F16L3/00 F16M11/04 (Advanced/Invention); A61G12/00 B23P11/02 F16B2/10 F16B2/12 F16B7/04 (Advanced/Non–invention)

CPC: F16B7/10 A61G12/008 A61G2203/80 F16B2/12 F16B7/0486 A61M5/1415 A61M2209/082 F16M11/26 F16M11/42 F16M11/425 F16M13/022 Y10T403/32114 Y10T403/32229 Y10T29/49826 Y10T29/49876 Y10T403/70 F16B2/10 A61G7/0503 A61G2203/78 Y10T29/49895

US class: 248/121 29/428 29/453 403/345 403/66 403/80

Classification Explorer

Cited documents: US7845601 BA, US7065812 BB, US5588166 A, US5279486 A, US4511157 A, US2013055542 AA, US2008251672 AA, US2007265583 AA, US2005150851 AA, US2005000019 AA,

Forward Citations: WO15031394, USD734541, CN104939994,

Abstract:
Source: US2013055542A The present invention relates to systems and methods for securing a mobile medical equipment supporter system, such as an infusion pump pole, to a mobile patient transporter, such as a gurney, thereby enhancing patient and attendant safety. The supporter system includes a primary support structure, one or more attachment points configured to secure medical delivery device(s) and/or medical monitoring device(s), a wheeled mobility assembly, and a hitcher assembly having a hitcher coupler configured to operatively mate with a corresponding hitchee coupler of the mobile patient transporter. In some embodiments, the mobility assembly includes a carousel with three or more rotatably attached wheeled extensions. The coupling process starts by decreasing the height of the patient transporter. Next, the hitcher coupler is aligned to the hitchee coupler. The hitcher coupler is then secured to the hitchee coupler by increasing the height of the patient transporter, thereby enabling the patient transporter to be propelled without a need to separately propel the supporter system. The supporter system footprint can also be reduced by further increasing the height of the patient transporter, thereby enhancing maneuverability.

186) Family number: 53201722 (US2013088060A) © PatBase

Title: SAFETY–BELT SYSTEM IN TRANSPORT VEHICLES FOR ABLE AND DISABLED PEOPLE

Priority: NL20111039037 20110915

Family:

Publication number	Publication date	Application number	Application date
EP2570298 A1	20130320	EP20120184591	20120914
EP2570298 B1	20170517	EP20120184591	20120914
NL1039037 C	20130318	NL20111039037	20110915
US2013088060 AA	20130411	US20120618864	20120914
US9061612 BB	20150623	US20120618864	20120914

Probable Assignee: BEHEERS EN BELEGGINGSMIJ VERACHTERT BV

Assignee(s):(std)**:** BEHEERS AND BELEGGINGSMAATSCHAPPIJ VERACHTERT BV ; BEHEERS AND BELEGGINGSMIJ VERACHTERT BV ; BEHEERS EN BELEGGINGSMIJ VERACHTERT BV ; DE BIJL SJOERD HENDRIK ; SCHOUTEN MARCEL JOHANNES HENDRIKUS

Assignee(s): BEHEERS EN BELEGGINGSMAATSCHAPPIJ VERACHTERT BV

Inventor(s):(std)**:** SCHOUTEN MARCEL JOHANNES HENDRIKUS ; DE BIJL SJOERD HENDRIK ; BIJL SJOERD HENDRIK

Agent(s): BRANTS JOHAN PE; KNOBBE MARTENS OLSON AND BEAR LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class(IPC 8–9)**:** A61G3/08 B60N2/24 B60N2/28 B60N2/30 B60N2/68 B60P3/00 B60R22/00 B60R22/18 (Advanced/Invention); B60R22/22 B60R22/26 (Advanced/Non–invention)

CPC: B60N2/30 B60R22/00 B60N2/24 B60N2/245 B60N2/2887 B60N2/3006 B60N2/3011 B60N2/3018 B60N2/3034 B60N2/3043 B60N2/688 B60R22/18 B60R22/22 B60R22/26 A61G3/0808

US class: 1/1 297/311 297/468

Classification Explorer

Cited documents: WO05047053 A1, US8911188 BA, US8414234 BB, US7854576 BB, US6837666 BA, US6015186 A, US4455046 A, US4265478 A, EP1701860 A1, EP1680302 B1, EP1680302 A1, DE3837170 A1,

DE202010001972 U1

DE202010001972, DE19544014 A1, DE10038035 A1,

Forward Citations: US9597240, US9371020,

Abstract:
Source: US2013088060A A device suitable for use in a transport vehicle of able people and/or people in a wheelchair is described. The device includes a foot support with a foot attachment for attachment to a vehicle floor and a rigid arm having a shoulder end and a foot end. The rigid arm is connected near the foot end to the foot support. The system also includes a safety–belt system including a safety–belt and safety–belt attachment. The safety–belt attachment has a first attachment point with belt–guiding situated near the shoulder end of the rigid arm. The rigid arm is attached to the foot support by one or more arm hinges. The rigid arm is capable of rotating around the arm hinges. In addition, a foldable chair may be mounted on the foot support. The foot support may be connected with the vehicle floor using a connector which fits in a rail in the floor.

0) DE102011054521B4 – 2–PUNKT–LAGERUNGEN FUER EIN TRAGELEMENT SOWIE V...

187) Family number: 53502633 (DE102011054521B4) © PatBase

Title: 2–Punkt–Lagerungen fuer ein Tragelement sowie Verwendungen von 2–Punkt–Lagerungen eines Tragelements

Priority: DE201110054521 20111016

Family:

Publication number	Publication date	Application number	Application date
DE102011054521 A1	20130418	DE201110054521	20111016
DE102011054521 B4	20150702	DE201110054521	20111016

Probable Assignee: TECHNOMED GMBH REHA TECHNIK

Assignee(s):(std)**:** TECHNOMED GMBH REHA TECHNIK

Inventor(s):(std)**:** KLEER JOHANNES KONRAD ; SCHUTH BETTINA

International class (IPC 8–9): A61G3/06 (Advanced/Invention)

CPC: B60R9/042 A61G3/0209 A61G3/062

Classification Explorer

Cited documents: US6007289 A, JP2004065331 A2, GB2368318 A1, EP0954271 B1, DE69707917 T2, DE10319335 B3,

Abstract:
Source: DE102011054521B4 2–Punkt–Lagerung (1) eines Tragelementes (2), das durch zwei Befestigungselemente (3, 4) an einem Kraftfahrzeug loesbar anbringbar ist, dadurch gekennzeichnet, dass eines der Befestigungselemente (3) als oberes Befestigungselement (3) der 2–Punkt–Lagerung (1) des Tragelementes (2) form– und/oder kraftschluessig an einer Tuerschlossvorrichtung (606) des Kraftfahrzeugs gehalten wird, wobei Mittel zum Verspannen (7) vorhanden sind derart, dass sich das obere Befestigungselement (3) an der Tuerschlossvorrichtung (606) abstuetzt und das andere Befestigungselement (4) als unteres Befestigungselement (4) an dem Laengsholm (608) des Kraftfahrzeugs.

0) DE102011054522B4 – LAGERUNG EINES TRAGELEMENTS SOWIE VERWENDUNG DE...

188) Family number: 53502634 (DE102011054522B4) © PatBase

Title: Lagerung eines Tragelements sowie Verwendung des Tragelements

Priority: DE201110054522 20111016

Family:

Publication number	Publication date	Application number	Application date
DE102011054522 A1	20130418	DE201110054522	20111016
DE102011054522 B4	20150129	DE201110054522	20111016

Probable Assignee: TECHNOMED GMBH REHA TECHNIK

Assignee(s):(std)**:** TECHNOMED GMBH REHA TECHNIK

Inventor(s):(std)**:** KLEER JOHANNES KONRAD ; SCHUTH BETTINA

International class (IPC 8–9): A61G3/00 B60R5/04 B60R9/06 (Advanced/Invention)

CPC: A61G3/0209 B60R9/06 A61G3/062

Classification Explorer

Cited documents: WO10125097 A1,

Abstract:
Source: DE102011054522B4 Lagerung eines Hebeelementes (5, 502, 902), das an einem mit einer Anhaengerkupplung (3) ausgestatteten Kraftfahrzeug (1) loesbar anbringbar ist, dadurch gekennzeichnet, dass die Lagerung ein erstes Befestigungselement (6) aufweist, das mit der Anhaengerkupplung (3) des Fahrzeugs (1) zusammenwirkt und wenigstens ein weiteres Befestigungselement (7, 8, 9, 202, 204) aufweist, das teleskopierbar am Boden abstuetzbar ist und dass das Hebeelement (5, 502, 902) ein Lastaufnahmemittel (903) oder eine Sitzeinheit (540) aufweist.

0) US2013136231A – MULTI–LINEAR X–RAY SCANNING SYSTEMS AND METHODS...

189) Family number: 53823260 (US2013136231A) © PatBase

Title: MULTI–LINEAR X–RAY SCANNING SYSTEMS AND METHODS FOR X–RAY SCANNING

Priority: US20110561613P 20111118 US20120596487P 20120208 US20120679695 20121116 US20120718491P 20121025 US20130761821 20130207 US20150615118 20150205 WO2012US65828 20121119 US20150751308 20150626 US20160332596 20161024

Family:

Publication number	Publication date	Application number	Application date
AU2012340129 AA	20130523	AU20120340129	20121119
BR112014011946 A2	20170530	BR20141111946	20121119
CA2856111 AA	20140515	CA20122856111	20121119
CN104053400 A	20140917	CN201280060460	20121119
EP2779903 A1	20140924	EP20120848839	20121119
EP2779903 A4	20160106	EP20120848839	20121119
IL232672 A0	20140731	IL20120232672	20121119
IN01068MN2014 A	20150501	IN2014MN01068	20140531
KR20140138593 A	20141204	KR20147016723	20121119
MX2014005910 A1	20150217	MX20140005910	20121119
SG10201701898Q A1	20170427	SG20171001898	20121119
SG11201402408P A1	20140627	SG20141102408	20121119
US2013136231 AA	20130530	US20120679695	20121116
US2013202087 AA	20130808	US20130761821	20130207
US2015177391 AA	20150625	US20150615118	20150205
US2015346118 AA	20151203	US20150751308	20150626
US2017038484 AA	20170209	US20160332596	20161024
US8989348 BB	20150324	US20130761821	20130207
US9121809 BB	20150901	US20120679695	20121116
US9513385 BB	20161206	US20150615118	20150205
US9689811 BB	20170627	US20150751308	20150626
WO13075090 A1	20130523	WO2012US65828	20121119
WO13119896 A1	20130815	WO2013US25264	20130208
ZA201404150 A	20151223	ZA20140004150	20140602

Probable Assignee: VISUUM LLC

Assignee(s):(std): VISUUM LLC

Assignee(s): UUNIQUUE SECUURITY SOLUUTIONS LLC ; VISUUM LLC3520 NORTHWEST 43RD STREETGAINESVILLEFL32606US ; UUNIQUUE SECUURITY SOLUTIONS LLC ; UUNIQUUE SECURITY LLC ; CLEAVES DAVID400–1515 BROADWAY STREETPORT COQUITLAMB1V3C 6M2CA ; COX JOHN D ; GEORGES SHAUN104–6444 WILLINGDON AVENUEBURNABYB1V5H 2V6CA ; GIMLETT JAMES3342 THOR COURTCOQUITLAMB1V3E 6A2CA

Inventor(s):(std): CLEAVES DAVID ; COX JOHN D ; DAVID CLEAVES ; GEORGES SHAUN ; GIMLETT JAMES ; JAMES GIMLETT ; JOHN D COX ; SHAUN GEORGES

Inventor(s): JAMES GIMLETT JOHN D COX ; GIMLETT JAMES3342 THOR COURTCOQUITLAMB1V3E 6A2CA ; GEORGES SHAUN104–6444 WILLINGDON AVENUEBURNABYB1V5H 2V6CA ; COX JOHN DUS ; CLEAVES DAVID400–1515 BROADWAY STREETPORT COQUITLAMB1V3C 6M2CA

Agent(s): BAXTER PATENT ATTORNEYS PTY LTD; RIDOUT AND MAYBEE LLP; LONDON IP LTD; CANTAB IP PTE LTD; GREGORY L; MAYBACK AND HOFFMAN PA; MAYBACK GREGORY L ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B A61B6/00 A61B6/02 A61B6/03 G01N23/04 G01T1/163 G01T1/24 G01V5/00 G21K1/00 G21K1/02 G21K1/04 (Advanced/Invention); A61B (Subclass/Invention)

CPC: G01N23/04 G01N2223/5015 G01T1/243 G21K1/046 G21K1/02 G01V5/0016 G01T1/163 A61B6/03 A61B6/00

US class: 1/1 378/146 378/149 378/62

Classification Explorer

Cited documents: WO8201124 A1, WO0223545 A2, WO0223545 A1, US9121809 BB, US8073099 BB, US7873142 BB, US7519160 BB, US7397892 BB, US7016473 BA, US6094472 A, US5644614 A, US2011280363 AA, US2011268246 AA, US2011033024 AA, US2011026668 AA, US2009274365 AA, US2009274265 AA, US2009257555 AA, US2007223653 AA, JP2000069369 A2, EP0223545 A2, CN1466859 A, CN101379415 A, CN101036070 A,

Forward Citations: WO17011022, US9689811, US2015346118, US2015030135, US2014205065, US2014192954, CN105092611,

Abstract:
Source: US2013136231A An x–ray scanner includes an x–ray source producing a fan of x–rays, an x–ray detector array, a collimator disposed between the source and the array, fixed to the source, and defining a slit collimating the fan of x–rays into a linear x–ray beam. The array is spaced from the source such that a linear extent of the linear x–ray beam is no greater than a detector dimension of the array. An x–ray processing unit processes detection of the linear x–ray beam by the array. A processor–controlled motor moves the x–ray source about a source movement axis to pan the linear x–ray beam and create an x–ray emission cone and moves the array correspondingly with the source. The x–ray processing unit form an x–ray scanned image of an object disposed between the collimator and the array within the x–ray emission cone when the linear x–ray beam is panned across the object.

0) US2013198978A – MODULAR SYSTEM FOR ASSEMBLING RAMPS, DECKS, AND...

190) Family number: 54512143 (US2013198978A) © PatBase

Title: MODULAR SYSTEM FOR ASSEMBLING RAMPS, DECKS, AND OTHER RAISED STRUCTURES

Priority: CA20132805149 20130208 CA20162805149 20160226 US20120596526P 20120208 US20130763020 20130208

Family:

Publication number	Publication date	Application number	Application date
CA2805149 AA	20130808	CA20132805149	20130208
CA2805149 C	20170103	CA20132805149	20130208
CA2921445 AA	20130808	CA20132921445	20130208
US2013198978 AA	20130808	US20130763020	20130208
US8959693 BB	20150224	US20130763020	20130208

Probable Assignee: LOWES COMPANIES INC

Assignee(s):(std)**:** BRYAN SYLVIAN ; BURNS ROBERT L ; DEMERS BRIAN JOSEPH ; POHLMAN JOE KIPTON ; LOWE S COMPANIES INC ; LOWES CO INC ; LOWES COMPANIES INC

Assignee(s): BIOSENSE WEBSTER ISRAEL LTD

Inventor(s):(std)**:** BRYAN SYLVIAN ; BURNS ROBERT L ; DEMERS BRIAN JOSEPH ; POHLMAN JOE KIPTON

Agent(s): STIKEMAN ELLIOTT LLP; KILPATRICK TOWNSEND AND STOCKTON LLP

International class (IPC 8–9): E01D1/00 E01D21/00 E04F11/00 E04G27/00 (Advanced/Invention); B65G69/30 (Advanced/Non–invention)

CPC: E01D1/00 E01D21/00 B65G69/30 E04F11/002 E04F2011/005 E04F2011/007 Y10T29/49826

US class: 14/69.5 193/38 29/428

Classification Explorer

Cited documents: US8074314 BB, US7607186 BA, US7454811 BA, US7302725 BB, US7240388 BB, US6526614 BB, US5740575 A, US5214817 A, US5106237 A, US4807317 A, US2013055511 AA, US2013047352 AA, US2012036653 AA, US2010146871 AA, US2009255066 AA, US2006059636 AA, US2006010621 AA, US2004133998 AA, US2004034950 AA, GB2362630 A1,

Forward Citations: WO15026518, US9688493, US9631371, US9512619, US9376819, US8997431, US8869332, KR20160148236, KR20160148235, KR101709002, KR101709001,

Abstract:
Source: US2013198978A Embodiments of the present invention provide a modular, portable, and adjustable wheelchair ramp that provides advantages and benefits over current wheelchair ramps. The ramp may be sold in a kit with individual elements, but it is also designed to provide a frame substructure that can be used with conventional decking materials, railings, and handrails.

0) ES2417979R – MECANISMO CON BRAZO–RAMPA PARA SUBIR Y BAJAR ES...

191) Family number: 54516586 (ES2417979R) © PatBase

Title: MECANISMO CON BRAZO–RAMPA PARA SUBIR Y BAJAR ESCALERAS

Priority: ES20110031542 20110924

Family:

Publication number	Publication date	Application number	Application date
ES2417979 AB	20130809	ES20110031542	20110924
ES2417979 BA	20141030	ES20110031542	20110924
ES2417979 R1	20130902	ES20110031542	20110924

Probable Assignee: SICILIA ACOSTA BAYRON

Assignee(s):(std)**:** SICILIA ACOSTA BAYRON

Assignee(s): BAYRON SICILIA ACOSTA

Inventor(s):(std)**:** SICILIA ACOSTA BAYRON

Inventor(s): BAYRON SICILIA ACOSTA

International class (IPC 8–9): A61G5/06 (Advanced/Invention)

CPC: A61G5/06

Classification Explorer

Cited documents: US6158536, US5335741, US2006038360, ES8403717, EP1532954,

Abstract:
Source: ES2417979R Mecanismo con brazo–rampa para subir y bajar escaleras. Mecanismo dotado de varios o un brazo (5), se suelta el primer brazo manualmente y los posteriores se sueltan automaticamente hasta que se acabe la escalera, estos brazos pueden estar acoplado a un rail (27) como se muestra en la figura 6 o mediante una cadena, este rail (27) a su vez esta acoplado al vehiculo (21) que pretende subir o bajar la escalera; estos brazos se despliegan en la trayectoria que seguiran las ruedas; la rampa (1) al chocar con el lateral del escalon en caso de subida o chocar contra el suelo del escalon en caso de bajada se ancla con el escalon y se aprovecha esta rampa (1) para que el vehiculo (21) con sus propias ruedas y traccion suba o baje el escalon, los brazos se mantienen en los escalones hasta que la segunda rueda pase sobre ellos y sean recogidos para su utilizacion posterior, en cuanto el brazo llega a la zona del sistema para la caida de los brazos (25) se suelta un nuevo brazo para el siguiente escalon, estos brazos siguen un rail (27), estos brazos se despliegan en una secuencia determinada dependiendo el tamano de la escalera; cuando se llega al final de la escalera el ultimo brazo usa la rueda de deslizamiento (2) para deslizar sobre el suelo hasta que se accione la palanca (11) y se recoja el brazo. Con esto podemos subir o bajar escaleras con la mayoria de vehiculos de ruedas. Diseno de rampa (1) para reducir el angulo de subida o bajada representada en la figura 3.4, figura 3.5, figura 3.6.

0) US2013278440A – ANTI–COLLISION SYSTEM AND METHOD USING MESSAGE ...

192) Family number: 54594939 (US2013278440A) © PatBase

Title: ANTI–COLLISION SYSTEM AND METHOD USING MESSAGE FORMATS CONTAINING DISTANCES

Priority:

US20120556123	20120723	US20120557711	20120725	US20120559452	20120726
US20120557805	20120725	US20120559508	20120726	US20120559493	20120726
US20120637588P	20120424	US20120633657	20121002	US20120559536	20120726
US20120559525	20120726	US20120559519	20120726	US20120559542	20120726
US20120633561	20121002	US20130395753	20130423	US20130852153	20130328
US20130852200	20130328	US20130852176	20130328	US20130936326	20130708
WO2013US37853	20130423	US20130395770	20130423	WO2013US37925	20130424
US20130395760	20130424	WO2013US37847	20130423	WO2013US38014	20130424
US20130395764	20130424				

Family:

Publication number	Publication date	Application number	Application date
US2013278440 AA	20131024	US20120633657	20121002
US2013278441 AA	20131024	US20120556123	20120723
US2013278442 AA	20131024	US20120559452	20120726
US2013278443 AA	20131024	US20120559536	20120726
US2013279392 AA	20131024	US20130852153	20130328
US2013279393 AA	20131024	US20130852200	20130328
US2013279491 AA	20131024	US20130852176	20130328
US2013279695 AA	20131024	US20120559525	20120726
US2013281140 AA	20131024	US20120557805	20120725
US2013281141 AA	20131024	US20120559508	20120726
US2013282267 AA	20131024	US20120559519	20120726
US2013282271 AA	20131024	US20120559542	20120726
US2013282277 AA	20131024	US20120559493	20120726
US2013282357 AA	20131024	US20120633561	20121002
US2013293394 AA	20131107	US20130936326	20130708
US2015077270 AA	20150319	US20130395770	20130423
US2015081201 AA	20150319	US20130395760	20130424
US2015131637 AA	20150514	US20130395753	20130423
US2015146605 AA	20150528	US20130395764	20130424
US8520695 BA	20130827	US20120557711	20120725
US8860564 BB	20141014	US20120559452	20120726
US8884782 BB	20141111	US20120559536	20120726
US8922391 BB	20141230	US20120633657	20121002
US8935094 BB	20150113	US20120559493	20120726
US8995662 BB	20150331	US20120559525	20120726
US9008958 BB	20150414	US20120559519	20120726
US9031089 BB	20150512	US20130936326	20130708
US9105189 BB	20150811	US20120559542	20120726
US9129532 BB	20150908	US20130852176	20130328
US9253753 BB	20160202	US20130852153	20130328
US9300423 BB	20160329	US20130852200	20130328
US9305462 BB	20160405	US20130395770	20130423
US9355561 BB	20160531	US20130395764	20130424
US9449515 BB	20160920	US20130395760	20130424
US9552727 BB	20170124	US20130395753	20130423
WO13163203 A1	20131031	WO2013US37824	20130423

WO13163218 A1	20131031	WO2013US37847	20130423	
WO13163222 A1	20131031	WO2013US37853	20130423	
WO13163265 A1	20131031	WO2013US37925	20130424	
WO13163310 A1	20131031	WO2013US38014	20130424	

Probable Assignee: ZETTA RES AND DEV LLC FORC SERI

Assignee(s):(std)**:** BETTS LACROIX JOE ; BETTS LACROIX JONATHAN ; BETTS LACROIX JONATHAN N ; RUBIN KIM T ; ZETTA RES AND DEV LLC FORC SERIES ; RUBIN KIM ; ZETTA RES AND DEV FORC SERIES ; ZETTA RES AND DEV FORC SERIES LLC ; ZETTA RES AND DEV LLC ; ZETTA RES AND DEV LLC FORC SERI

Assignee(s): ZETTA RESEARCH AND DEVELOPMENT LLC FORC SERIES ; ZETTA RESEARCH AND DEVELOPMENT FORC SERIES LLC ; ZETTA RESEARCH AND DEVELOPMENT LLC FORCSERIES ; ZETTA RESEARCH AND DEVELOPMENT LLC FORCSERCIES ; ZETTA RESEARCH AND DEVELOPMENT LLC ; ZETTA RESEARCH AND DEVELOPMENT LLC FORC SERI ; ZETTA RESEARCH AND DEVELOPMENT FORC SERIES

Inventor(s):(std)**:** BETTS LACROIX JOE ; BETTS LACROIX JONATHAN ; BETTS LACROIX JONATHAN N ; BETTS LACROIX JONATHON ; RUBIN KIM ; RUBIN KIM T

Agent(s): KIM T RUBIN PATENT AGENT; KIM RUBIN PATENT AGENT; KIM; KIM T

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B60Q1/00 B60R22/00 G01C21/10 G01C21/26 G01C21/28 G01C21/34 G01C21/36 G01S19/40 G06F17/10 G06F9/45 G08G1/01 G08G1/09 G08G1/0967 G08G1/0968 G08G1/0969 G08G1/14 G08G1/16 G08G9/02 G09B29/00 H04B7/212 H04B7/26 H04H20/71 H04J3/00 H04J3/06 H04J3/16 H04K1/00 H04L12/413 H04L29/08 H04L5/00 H04W4/04 H04W4/06 H04W4/12 H04W56/00 H04W72/00 H04W72/04 H04W74/08 H04W76/00 (Advanced/Invention); B60R25/33 B60W10/06 B60W10/18 B60W10/20 B60W50/14 G01S5/00 G08G1/00 G08G1/16 H04L29/08 H04W4/22 H04W64/00 H04W74/08 H04W76/00 H04W76/02 (Advanced/Non–invention)

CPC: G08G1/166 G08G1/09 G08G9/02 B60R25/33 G01S5/0027 B60R2325/205 G08G1/20 G08G1/142 G08G1/0969 G01C21/3658 G08G1/167 G08G1/161 H04W4/06 H04W64/006 B60W10/06 B60W10/18 B60W10/20 B60W50/14 B60W2550/402 G01C21/26 H04W72/0446 H04L5/0091 G08G1/16 H04J3/1694 H04W4/22 H04W76/007 H04W72/005 G08G1/163 H04L67/12 H04W56/0025 H04W74/0816 G08G1/162 H04W4/046 H04W4/12 H04W76/002 H04W76/023 G08G1/096791

US class: 1/1 340/435 340/436 340/902 340/903 340/905 340/905 340/905 370/312 370/337 370/345 370/347 370/445 380/255 455/450 455/500 701/300 701/301 701/302 701/408 701/410 701/423 701/45 701/517 701/518 701/520 701/522 701/533 703/22

Classification Explorer

Cited documents: WO11064831 A1, US9253753 BB, US8884782 BB, US8644858 BB, US8620549 BB, US8537744 BB, US8520695 BA, US8509991 BB, US8509209 BB, US8504864 BB, US8397063 BB, US8321092 BB, US8314718 BB, US8280583 BB, US8255144 BB, US8154438 BA, US8106792 BB, US7990283 BB, US7979198 BA, US7899621 BB, US7840331 BB, US7797108 BB, US7783403 BB, US7657373 BB, US7546182 BB, US7518489 BB, US7236878 BB, US7170877 BB, US6985089 BB, US6765495 BA, US6658336 BB, US6571161 BB, US6526352 BA, US6370475 BA, US6370117 BA, US5506587 A, US4114437 A, US3949388 A, US3566404 A, US3566040 A, US2015131637 AA, US2015092661 AA, US2014236449 AA, US2014232595 AA, US2013279695 AA, US2013279491 AA, US2013279393 AA, US2013279392 AA, US2013258878 AA, US2013226408 AA, US2013218603 AA, US2013154853 AA, US2013151412 AA, US2013116908 AA, US2013099941 AA, US2013083679 AA, US2012317161 AA, US2012307059 AA, US2012306663 AA, US2012303203 AA, US2012268295 AA, US2012253646 AA, US2012249343 AA, US2012123806 AA, US2012120883 AA, US2012108163 AA, US2012089273 AA, US2012084440 AA, US2012078498 AA, US2012065858 AA, US2012028862 AA, US2012028662 AA, US2012025965 AA, US2012016581 AA, US2012016553 AA, US2011268028 AA, US2011258435 AA, US2011238987 AA, US2011210865 AA, US2011205943 AA, US2011190972 AA, US2011130964 AA, US2011109475 AA, US2011098877 AA,

US2011090094 AA, US2011083011 AA, US2011080302 AA, US2011043380 AA, US2011026472 AA, US2010303048 AA, US2010296387 AA, US2010256852 AA, US2010235284 AA, US2010211270 AA, US2010188265 AA, US2010168940 AA, US2010120422 AA, US2010106413 AA, US2010057355 AA, US2010052945 AA, US2009292413 AA, US2009271112 AA, US2009231433 AA, US2009231161 AA, US2009170434 AA, US2009161644 AA, US2009115638 AA, US2008167821 AA, US2008097700 AA, US2008095163 AA, US2008059050 AA, US2008040498 AA, US2007188348 AA, US2007183373 AA, US2007021915 AA, US2007005609 AA, US2006105797 AA, US2005225457 AA, US2005134440 AA, US2005088318 AA, US2004198235 AA, US2003139867 AA, US2002198660 AA, JP7294274 A2, EP2276012 A2,

Forward Citations: WO17076410, WO17054606, WO17048099, WO17043897, WO17041521, WO17030887, WO17030494, WO17030493, WO17030423, WO17023150, WO17014514, WO17010632, WO17003405, WO16204592, WO16200213, WO16182295, WO16159715, WO16134172, WO16108554, WO16026985, WO16016756, WO16003430, WO15171904, WO15134421, WO15116022, WO15112133, US9726514, US9725037, US9704409, US9697653, US9696420, US9694818, US9694814, US9694737, US9685086, US9679191, US9676389, US9672570, US9672568, US9671784, US9669827, US9666074, US9664524, US9658620, US9646439, US9643615, US9642022, US9635110, US9633565, US9633559, US9630625, US9620015, US9620014, US9618347, US9609046, US9607509, US9607450, US9607402, US9607236, US9600733, US9599480, US9598009, US9594971, US9592766, US9589202, US9589201, US9576083, US9565705, US9563814, US9558667, US9558419, US9553694, US9545921, US9544001, US9532194, US9531750, US9514578, US9505413, US9494438, US9489849, US9485791, US9485247, US9483947, US9472104, US9469296, US9461936, US9460625, US9449515, US9448075, US9445308, US9440605, US9424607, US9422040, US9421931, US9420412, US9406231, US9406177, US9396660, US9361409, US9360865, US9357469, US9355561, US9349291, US9344856, US9327693, US9324233, US9321461, US9316718, US9305462, US9305411, US9300423, US9283972, US9282485, US9275549, US9269268, US9268332, US9262918, US9258722, US9253753, US9251630, US9248834, US9246990, US9231967, US9230442, US9213338, US9205759, US9205741, US9204463, US9199642, US9179475, US9177478, US9166730, US9165469, US9164512, US9153132, US9150220, US9145137, US9139202, US9129532, US9122702, US9111453, US9092977, US9084190, US9043131, US9031776, US9031758, US9020728, US9000903, US8990001, US8935036, US8917321, US8897997, US8885559, US8843317, US8838321, US8818694, US8812227, US2017162049, US2017158175, US2017156020, US2017127249, US2017116861, US2017103274, US2017076598, US2017025008, US2017018182, US2017008455, US2016300486, US2016300485, US2016295589, US2016292998, US2016255516, US2016253904, US2016217690, US2016196756, US2016189543, US2016180721, US2016167649, US2016163199, US2016142491, US2016123750, US2016102981, US2016098926, US2016096519, US2016096473, US2016091612, US2016042650, US2016037381, US2016010997, US2016001720, US2015372837, US2015353008, US2015345968, US2015341742, US2015332591, US2015310738, US2015305038, US2015287323, US2015281900, US2015269845, US2015248120, US2015237141, US2015237115, US2015236940, US2015206436, US2015203113, US2015191184, US2015178998, US2015177003, US2015172956, US2015170505, US2015151742, US2015146605, US2015112589, US2015112519, US2015088357, US2015088334, US2015087241, US2015081201, US2015078291, US2015077270, US2015073663, US2015061894, US2015018027, US2015016823, US2015005073, US2015005062, US2014368668, US2014355463, US2014309934, US2014309884, US2014309855, US2014307724, US2014303806, US2014300504, US2014278087, US2014277860, US2014236462, US2014229096, US2014207377, US2014200773, US2014195213, US2014195072, US2014180563, US2014177656, US2014165191, US2014148994, US2014140353, US2014136073, US2014104077, US2014098664, US2014046509, US2014044313, US2014012492, US2013336338, US2013322368, US2013279491, US2013279393, US2013279392, US2013197800, US2013096773, US2012296562, US2012290198, US2012220231, US2012035797, US2009326752, TWI543896, GB2532572, EP3121762, EP3121760, EP3086303, EP3012815, EP2940428, DE102015207977, DE102014203137, CN105917397, CN105118329, CN104900056, CN104794938, CN104766491, CN104748755, CN104703052, CN104575068, CN104392621, CN104112371, CN103921791, CN103886647, CN103886647, CN103823382,

Abstract:
Source: US2013278440A Device, system and method of implementing a wireless vehicle−to−vehicle anti−collision system. Details of message formats are described, particularly efficient formats using flags and compressed data, expressing distances, both in the horizontal and vertical directions. Details of protocols are described. Details of encoding locations, headings and speed are described. In one embodiment messages are free of IP addresses and MAC addresses. Roadway elevation is included in some embodiments.

0) US2015101269A – MODULAR ISOLATION SYSTEMS

193) Family number: 54706308 (US2015101269A) © PatBase

Title: MODULAR ISOLATION SYSTEMS

Priority: US20120605669P 20120301 US20130380899 20130301 WO2013US28621 20130301

Family:

Publication number	Publication date	Application number	Application date
CA2866081 AA	20140829	CA20132866081	20130301
CA2866081 C	20160112	CA20132866081	20130301
JP2015511687 T2	20150420	JP20140560090T	20130301
US2015101269 AA	20150416	US20130380899	20130301
US9109357 BB	20150818	US20130380899	20130301
WO13130975 A1	20130906	WO2013US28621	20130301

Probable Assignee: WORKSAFE TECHNOLOGIES

Assignee(s):(std)**:** WORKSAFE TECHNOLOGIES

Assignee(s): WORKSAFE TECHNOLOGIES25133 AVENUE TIBBITTS, BLDG. FVALENCIACA91355US ; HUBBARD DONALD A ; MORENO GIL A

Inventor(s):(std)**:** HUBBARD DON A ; HUBBARD DONALD A ; MORENO GIL A

Inventor(s): MORENO GIL AUS ; HUBBARD DONALD AUS

Agent(s): GOWLING LAFLEUR HENDERSON LLP; ONDA MAKOTO; ONDA HIRONORI; STOUT UXA AND BUYAN LLP; CARLOS A; FISHER CARLOS A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E01D19/04 E04B1/36 E04B1/98 E04F15/024 E04H9/02 F16F15/02 (Advanced/Invention)

CPC: E04B1/36 E04B1/98 E04F15/02405 E04F15/02452 E04F15/02458 E04H9/023 E01D19/04 E04H9/024 E04H9/028 F16F15/02 F16F15/021 F16F2230/14

US class: 1/1 52/167.5

Classification Explorer

Cited documents: WO06038313 A1, US8156696 BB, US6052955 A, US5862635 A, US5706249 A, US5081806 A, US4941640 A, US4805359 A, US4517778 A, US3606704 A, US2010032876 AA, US2008120927 AA, US2007261323 AA, US2007220815 AA, JP6323033 A2, JP6288066 A2, JP6280421 A2, JP6158912 A2, JP3062247 U, JP3062247 A2, JP2010230057 A2, JP2008069965 A2, JP2008019941 A2, JP2005030071 A2, JP2003206648 A2, JP11315885 A2,

Forward Citations: US9399865, US2017067249, US2014291475,

Abstract:
Source: US2015101269A A modular base isolation system suitable for constructing isolation floors and platforms using the same elements, and capable of scaling up or down to suit the payload mass. These systems are low profile and permit placement of such systems un paces having restricted headroom. Also kits and methods or making and using such modular isolation systems.

0) GB2504843A – PATIENT LIFTING UNIT

194) Family number: 51792595 (GB2504843A) © PatBase

Title: PATIENT LIFTING UNIT

Priority: GB20120011027 20120621

Family:

Publication number	Publication date	Application number	Application date
GB201211027 A0	20120801	GB20120011027	20120621
GB201311094 A0	20130807	GB20130011094	20130627
GB2504843 A1	20140212	GB20130011094	20130627

Probable Assignee: FLETCHER RICHARD

Assignee(s):(std)**:** FLETCHER RICHARD

Assignee(s): RICHARD FLETCHER

Inventor(s):(std)**:** FLETCHER RICHARD ; WALTERS JOHN GODWIN

Inventor(s): JOHN GODWIN WALTERS ; RICHARD FLETCHER

International class(IPC 8–9)**:** A61G15/02 (Advanced/Invention)

CPC: A61G2200/16 A61G2200/34 A61G15/02 A61G5/104 A61G5/1059 A61G5/107 A61G5/1075 A61G15/12 A61G5/121 A61G5/122 A61G5/128

Classification Explorer

Cited documents: WO11044602 A1, US6106065 A, JP2012080982 A2, GB2479327 A1, GB2470746 A1, GB1603733 A, DE29906854 U1,

Abstract:
Source: GB2504843A A base unit 4 comprises a lift carriage 24 for coupling with a support device 2 in use and actuating means for moving the lift carriage 24. The lift carriage 24 is movably mounted on a pair of vertically extending, arcuate tracks 26 so as to be simultaneously lifted and tilted upon operation of the actuating means. Latches 28 may be provided to aid coupling with the support. The base unit is particularly suitable for use with a wheelchair platform or podiatry chair.

195) Family number: 55798689 (US2014051044A) © PatBase

Title: SYSTEMS AND METHODS TO GATHER AND ANALYZE ELECTROENCEPHALOGRAPHIC DATA

Priority: CN201310471815 20130817 US20120684640P 20120817 US20120728900 20121227 US20120728913 20121227 US20120730212 20121228 US20150610473 20150130 US20150746440 20150622 US20160044488 20160216

Family:

Publication number	Publication date	Application number	Application date
CN103720470 A	20140416	CN201310471815	20130817
CN103720470 B	20160511	CN201310471815	20130817
CN105902267 A	20160831	CN201610246021	20130817
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JP5665205 B2	20150204	JP20130169723	20130819
US2014051044 AA	20140220	US20120730212	20121228
US2014051960 AA	20140220	US20120728900	20121227
US2014051961 AA	20140220	US20120728913	20121227
US2015141789 AA	20150521	US20150610473	20150130
US2015282730 AA	20151008	US20150746440	20150622
US2016166169 AA	20160616	US20160044488	20160216
US8989835 BB	20150324	US20120728913	20121227
US9060671 BB	20150623	US20120728900	20121227
US9215978 BB	20151222	US20150610473	20150130

Probable Assignee: NIELSEN CO US LLC

Assignee(s):(std)**:** GURUMOORTHY RAMACHANDRAN ; KNIGHT ROBERT T ; NIELSEN CO US LLC ; PRADEEP ANANTHA K ; BADOWER YAKOB

Assignee(s): CITIBANK NA COLLATERAL AGENT FOR FIRST LIEN SECURED PARTIES AS ; NIELSEN CO US LLC A DELAWARE LIABILITY CO LTD ; NIELSEN COMPANY US LLC

Inventor(s):(std)**:** PRADEEP A K ; YAKOB BADOWER ; ROBERT T KNIGHT ; RAMACHANDRAN GURUMOORTHY ; ANANTHA K PRADEEP ; PRADEEP ANANTHA K ; KNIGHT ROBERT T ; GURUMOORTHY RAMACHANDRAN ; BADOWER YAKOB

Agent(s): SAMSON AND PARTNER; HANLEY FLIGHT AND ZIMMERMAN LLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9)**:** A61B5/00 A61B5/04 A61B5/0408 A61B5/0476 A61B5/0478 A61B5/0492 A61B5/16 G06F (Advanced/Invention); A61B5/04 A61B5/048 (Advanced/Non–invention)

CPC: A61B5/0006 A61B5/04004 A61B5/0476 A61B5/4064 A61B5/7203 A61B5/7221 A61B2562/164 A61B5/048 A61B5/165 A61B5/6803 A61B2562/182 A61B5/6831 A61B2562/0209 A61B5/04012 A61B5/0478 A61B5/00 F04C2270/041

US class: 1/1 434/236 600/383 600/544

Classification Explorer

Cited documents: WO9741673, WO9740745, WO9717774, WO9518565, WO11158481 A1, WO11158481, WO11074186 A1, WO11074186, WO11056679, WO11055291, WO09052833, WO09018374, WO08154410, WO08141340, WO08137581, WO08137579, WO08121651, WO08109699, WO08109694, WO08077178, WO07019584, WO06005767, WO04100765, WO04049225, WO04034881 A2, WO02100267, WO0202238, WO0200241, WO0197070, WO0017824, USRE34015 E, USD565735 S1, US8655437 BB, US8655428 BB, US8635105 BB, US8548852 BB, US8533042 BB, US8494905 BB, US8494610 BB, US8484801 BB, US8484081 BB, US8477425 BB, US8473345 BB, US8467133 BB,

US8442429 BB, US8396744 BB, US8392255 BB, US8392254 BB, US8392253 BB, US8392251 BB, US8392250 BB, US8388165 BB, US8386313 BB, US8386312 BB, US8335715 BB, US8332883 BB, US8327395 BB, US8326396 BB, US8300526 BB, US8290563 BB, US8270814 BB, US8255267 BB, US8239030 BA, US8229469 BB, US8209224 BB, US8179604 BA, US8165916 BB, US8151298 BB, US8135606 BB, US8112141 BB, US8103328 BB, US8098152 BB, US8086563 BB, US8082215 BB, US8069125 BB, US8055722 BB, US8027518 BB, US8014847 BB, US7988557 BB, US7962315 BB, US7946974 BB, US7942816 BB, US7917366 BA, US7908133 BB, US7892764 BB, US7865394 BA, US7853122 BB, US7840250 BB, US7840248 BB, US7809420 BB, US7805009 BB, US7751878 BA, US7742623 BA, US7739140 BB, US7729755 BB, US7720351 BB, US7716697 BB, US7715894 BB, US7698238 BB, US7697979 BB, US7689272 BB, US7672717 BA, US7650793 BB, US7636456 BB, US7627880 BB, US7623823 BB, US7614066 BB, US7592908 BB, US7551952 BB, US7548774 BB, US7496400 BB, US7483835 BB, US7471987 BB, US7471978 BB, US7463144 BB, US7463143 BB, US7460827 BB, US7443693 BB, US7443292 BB, US7440789 BB, US7420464 BB, US7408460 BB, US7391835 BA, US7383728 BB, US7359744 BB, US7340060 BB, US7286871 BB, US7272982 BB, US7222071 BB, US7194186 BA, US7177675 BB, US7173437 BB, US7164967 BB, US7150715 BB, US7130673 BB, US7127283 BB, US7120880 BA, US7113916 BA, US7050753 BB, US7035685 BB, US6993380 BA, US6978115 BB, US6973342 BA, US6961601 BB, US6958710 BB, US6950698 BB, US6915148 BB, US6904408 BA, US6842877 BB, US6839682 BA, US6792304 BA, US6788882 BA, US6757556 BB, US6754524 BB, US6712468 BA, US6708051 BA, US6699188 BB, US6688890 BB, US6678866 BA, US6665560 BB, US6662052 BA, US6656116 BB, US6654626 BB, US6652283 BA, US6648822 BB, US6626676 BB, US6623428 BB, US6609024 BA, US6606519 BB, US6606102 BA, US6598006 BA, US6594521 BB, US6585521 BA, US6577329 BA, US6575902 BA, US6574513 BA, US6545685 BA, US6520905 BA, US6510340 BA, US6488617 BA, US6487444 BB, US6481013 BA, US6453194 BA, US6434419 BA, US6425764 BA, US6422999 BA, US6398643 BA, US6381481 BA, US6374143 BA, US6349231 BA, US6334778 BA, US6330470 BA, US6322368 BA, US6315569 BA, US6309342 BA, US6301493 BA, US6292688 BA, US6289234 BA, US6286005 BA, US6280198 BA, US6259889 BA, US6254536 BA, US6236885 BA, US6233472 BA, US6228038 BA, US6175753 B1, US6173260 B1, US6171239 B1, US6170018 B1, US6161030 A, US6155927 A, US6154669 A, US6128521 A, US6120440 A, US6099319 A, US6052619 A, US6021346 A, US6002957 A, US6001065 A, US5983214 A, US5983129 A, US5961332 A, US5954642 A, US5945863 A, US5868670 A, US5848399 A, US5817029 A, US5812642 A, US5800351 A, US5788648 A, US5787187 A, US5774591 A, US5772591 A, US5771897 A, US5762611 A, US5740812 A, US5740035 A, US5736986 A, US5729205 A, US5724987 A, US5720619 A, US5697369 A, US5692906 A, US5676138 A, US5655534 A, US5649061 A, US5645577 A, US5617855 A, US5601090 A, US5579774 A, US5537618 A, US5518007 A, US5513649 A, US5481294 A, US5479934 A, US5474082 A, US5452718 A, US5450855 A, US5447166 A, US5406957 A, US5406956 A, 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JP2001506905, GB2221759, GB1374658, FR2627975 A1, EP1607842, EP1389012, EP1052582, DE102010005551, CN1538823 A,

Forward Citations: WO17055354, WO16166740, WO16149829, WO16141157, WO16138178, USD773672, USD743039, US9652047, US9649040, US9602669, US9579060, US9426292, US2016183830, US2016129238, US2015230020, US2014203931, US2008188310,

Abstract:
Source: US2014051044A Example methods are disclosed herein that include obtaining electroencephalographic (EEG) data from a subject via a device comprising two or more independently adjustable bands, each of the bands having a plurality of electrodes to detect the electroencephalographic data from a brain of the subject, each band selectively rotatable relative to an adjacent band and each band selectively compressible to increase a force of the electrodes against a head of the subject. The example method also includes converting the EEG data into digital EEG signals and conditioning the digital EEG signals. In addition, the example method includes analyzing the digital EEG signals using one or more analysis protocols to determine a mental characteristic of the subject and transmitting the mental characteristic to an output device.

0) US2014052463A – VETERINARY KIOSK WITH INTEGRATED VETERINARY MED...

196) Family number: 55802215 (US2014052463A) © PatBase

Title: VETERINARY KIOSK WITH INTEGRATED VETERINARY MEDICAL DEVICES

Priority: US20120683469P 20120815 US20130967424 20130815 WO2013US55040 20130815

Family:

Publication number	Publication date	Application number	Application date
CA2881000 AA	20150204	CA20132881000	20130815
CN104704525 A	20150610	CN201380043398	20130815
EP2885759 A1	20150624	EP20130829682	20130815
EP2885759 A4	20160210	EP20130829682	20130815
IN00805CN2015 A	20160701	IN2015CN00805	20150210
US2014052463 AA	20140220	US20130967424	20130815
WO14028680 A1	20140220	WO2013US55040	20130815

Probable Assignee: RITE AID HDQTRS CORP

Assignee(s):(std): HEALTHSPOT INC

Assignee(s): RITE AID HDQTRS CORP ; CASHMAN STEVE ; CHURRAN JOHN SCOTT

Inventor(s):(std): CASHMAN STEVE ; CHURRAN JOHN SCOTT ; HIPSHER BRIAN

Agent(s): DEETH WILLIAMS WALL LLP; GROSSE SCHUMACHER KNAUER VON HIRSCHHAUSEN; TURUNG BRIAN E

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61B5/02 G06F19/00 G06Q10/10 G06Q20/18 G06Q50/22 G06Q50/24 G07F17/00 H04N7/15 (Advanced/Invention)

CPC: G06Q20/18 G06Q10/1095 G06Q50/22 G06F19/3418

US class: 705/2

Classification Explorer

Cited documents: WO12134556 A1, WO11161320 A1, WO05029387 A1, US7673952 BB, US6205716 BA, US5346297 A, US5058871 A, US4933873 A, US2013173287 AA, US2012179479 AA, US2012029303 AA, US2011295417 AA, US2009167838 AA, US2009083066 AA, US2009012942 AA, US2006106646 AA, US2005211768 AA, US2005075907 AA, US2003179290 AA, CN102567930 A, CN101129274 A,

Forward Citations: WO15192138, US9691052, US9374233, US9332566, US9244642, US9177075, US2016246781, US2016071078, US2015124283, US2015087256, US2015081371, US2014349695, US2014331094, US2014228648, US2014085406, US2012102405,

Abstract:
Source: US2014052463A A veterinary kiosk designed to provide tele−med services, check−in services, and/or prescription services for a user and an animal. The veterinary kiosk can include a user video conferencing system that is designed to enable the user to have a real−time or near real−time tele−conference with a veterinary provider located remotely from the veterinary kiosk. A method of providing veterinary services via a modular veterinary kiosk with one or more integrated veterinary medical devices.

0) US2014091551A – BICYCLE CONVERSION KIT AND TRICYCLE APPARATUS

197) Family number: 56138702 (US2014091551A) © PatBase

Title: BICYCLE CONVERSION KIT AND TRICYCLE APPARATUS

Priority: US20120709336P 20121003 US20130044216 20131002

Family:

Publication number	Publication date	Application number	Application date
US2014091551 AA	20140403	US20130044216	20131002
US9114844 BB	20150825	US20130044216	20131002

Probable Assignee: HAULER CYCLES LLC

Assignee(s):(std)**:** HAULER CYCLES LLC

Inventor(s):(std)**:** WALTER CHRISTOPHER J

Agent(s): PRICE HENEVELD LLP

International class (IPC 8–9)**:** B62K13/04 B62K5/05 B62K5/08 B62K7/04 (Advanced/Invention)

CPC: B62K5/08 B62K13/04 B62K5/05 B62K7/04 B62K2710/12 Y10T29/49716

US class: 1/1 280/267 280/279 29/401.1

Classification Explorer

Cited documents: WO08043870, USD576903 S1, USD549074 S1, USD485788 S1, USD449018 S1, USD419123 S1, USD397965 S1, USD396835 S1, USD353963 S1, USD345534 S1, USD332768 S1, USD331902 S1, USD316389 S1, USD315888 S1, USD315328 S1, USD305628 S1, USD291506 S1, USD289630 S1, USD280336 S1, USD263293 S1, US8066295 BA, US8061465 BB, US8028777 BB, US7970530 BB, US7958956 BB, US7909340 BB, US7896207 BA, US7850180 BB, US7739030 BB, US7731213 BB, US7731210 BB, US7722063 BB, US7708291 BA, US7669868 BB, US7591337 BB, US7571787 BB, US7552790 BB, US7543829 BA, US7530419 BB, US7347596 BB, US7273221 BB, US7264251 BB, US7174852 BB, US7172045 BB, US7152868 BA, US7144029 BA, US7137671 BB, US7073806 BB, US6994368 BB, US6981749 BB, US6976690 BB, US6953203 BB, US6948581 BB, US6929080 BB, US6883629 BB, US6763740 BA, US6736618 BB, US6708582 BA, US6663122 BA, US6543564 BA, US6506026 BB, US6491316 BA, US6464030 BA, US6446922 BB, US6398248 BA, US6382485 BA, US6378882 BA, US6367824 BA, US6328268 BA, US6036069 A, US6029874 A, US5961015 A, US5881606 A, US5762351 A, US5641108 A, US5618052 A, US5564726 A, US5513865 A, US5482304 A, US5431243 A, US5330214 A, US5319994 A, US5292143 A, US5265496 A, US5248011 A, US5236060 A, US5232235 A, US5228606 A, US5226340 A, US5199619 A, US5169166 A, US5156031 A, US5141067 A, US5112071 A, US5102153 A, US5025977 A, US4976348 A, US4953425 A, US4944360 A, US4919225 A, US4910053 A, US4909538 A, US4909522 A, US4903975 A, US4903857 A, US4840298 A, US4794815 A, US4715681 A, US4697663 A, US4688749 A, US4671438 A, US4662468 A, US4648694 A, US4629104 A, US4624469 A, US4613129 A, US4600216 A, US4546997 A, US4527811 A, US4484648 A, US4461365 A, US4458556 A, US4437535 A, US4423795 A, US4360224 A, US4351410 A, US4336964 A, US4313517 A, US4301951 A, US4285674 A, US4262829 A, US4258870 A, US4191393 A, US4174120 A, US4088199 A, US4045049 A, US4037924 A, US4020914 A, US3960027 A, US3955730 A, US3955729 A, US2012320943 AA, US2007278763 AA, US2006273544 AA, US2006097476 AA, EP2077223,

Forward Citations: USD746177, US9725126, US9701339, US9510983, US9067632, US2017043805, US2016200388, US2015329165, US2014224556, EP3153390, CN105292250, CN104973183,

Abstract:
Source: US2014091551A An apparatus is provided for bicycles to make them more utilitarian and functional. The attachment is easily attached, and potentially attached without damage or significant modification to the bicycle. The apparatus includes a frame member attached to the bottom bracket portion of the existing bicycle, and a gimbal attached to the fork of the existing bicycle in place of the original front tire. The apparatus is steerable using the handle bars and fork on the existing bicycle frame, and is configured for stability when cornering. The apparatus includes a cargo carrier located in front of the cycler where it is easy to see, while maintaining a stable center of gravity and also an ability to lean into corners for cornering stability. Variations include one or two front wheels, and one or two steering drive links. Also, the apparatus is a flexible design providing multiple potential

utilitarian uses.

0) US2014144417A – PROJECTILE AND THROWING APPARATUS AND GAME FOR ...

198) Family number: 56544269 (US2014144417A) © PatBase

Title: PROJECTILE AND THROWING APPARATUS AND GAME FOR PROJECTILE THROWING

Priority: US20120604176P 20120228 US20130779676 20130227 US20150677045 20150402 US20150874637 20151005 US20140508440F 20141106

Family:

Publication number	Publication date	Application number	Application date
US2014144417 AA	20140529	US20130779676	20130227
US2015297964 AA	20151022	US20150677045	20150402
US2016096093 AA	20160407	US20150874637	20151005
US9149695 BB	20151006	US20130779676	20130227
US9630076 BB	20170425	US20150677045	20150402
USD784466 S1	20170418	US20140508440F	20141106

Probable Assignee: EVANS CURTIS

Assignee(s):(std)**:** EVANS CURTIS ; EVANS CURTIS ALAN

Inventor(s):(std)**:** EVANS CURTIS ; EVANS CURTIS ALAN

Agent(s): MICHAEL HAYNES PLC; MICHAEL N

International class(IPC 8–9)**:** A63B37/00 A63B43/00 A63B59/00 A63B59/02 A63B59/20 A63B65/12 A63B67/183 A63B69/36 F41B3/04 (Advanced/Invention); A63B102/14 A63B102/32 A63B60/06 A63B60/08 A63B60/10 A63B67/00 A63B67/18 A63B71/00 (Advanced/Non–invention)

CPC: A63B37/0011 A63B43/002 A63B67/002 A63B2210/50 A63B37/0003 A63B37/0004 A63B37/001 A63B37/0022 A63B43/008 A63B67/18 A63B71/0009 F41B3/04 A63B59/20 A63B65/122 A63B60/06 A63B60/08 A63B60/10 A63B67/183 A63B2102/14 A63B2102/32

US class: 1/1 124/5 473/513 D21/722

Locarno class: 21/02

Classification Explorer

Cited documents: WO06108274 A2, USRE38216 E, USD674851 S1, USD666686 S1, USD655359 S1, USD642641 S1, USD640338 S1, USD637248 S1, USD554717 S1, USD525670 S1, USD525326 S1, USD484938 S1, USD484564 S1, USD428085 S1, USD425593 S1, USD424640 S1, USD368291 S1, USD363960 S1, USD363098 S1, USD350999 S1, USD194045 S1, US9149695 BB, US8539939 BB, US8517003 BB, US8454452 BB, US8418681 BB, US8387601 BA, US8353780 BB, US8302585 BB, US8246480 BB, US8235846 BB, US8028684 BA, US8015968 BB, US7988567 BB, US7975655 BB, US7935009 BB, US7900617 BA, US7686702 BB, US7686001 BB, US7677994 BB, US7665454 BA, US7665453 BA, US7648433 BA, US7603998 BB, US7520828 BB, US7520818 BB, US7488266 BB, US7407456 BB, US7357739 BB, US7172513 BA, US7128556 BB, US7121966 BB, US7032583 BA, US6966854 BA, US6837800 BB, US6565280 BA, US6561932 BB, US6506132 BA, US6241629 BA, US6083128 A, US6076829 A, US6066056 A, US5935016 A, US5908360 A, US5579748 A, US5568925 A, US5522372 A, US5465704 A, US5392755 A, US5297794 A, US5290039 A, US5232226 A, US5228689 A, US5228427 A, US5174580 A, US5129650 A, US5088469 A, US5082290 A, US4940243 A, US4872688 A, US4794905 A, US4752076 A, US4677961 A, US4673186 A, US4595205 A, US4548413 A, US4527801 A, US4511148 A, US4502690 A, US4449712 A, US4364371 A, US4313605 A, US4310368 A, US4273339 A, US4157828 A, US4111422 A, US4085936 A, US4045026 A, US4002336 A, US3970307 A, US3593999 A, US3589349 A, US3586329 A, US3392978 A, US3366389 A, US3170688 A, US3115129 A, US2935323 A, US2856190 A, US2710753 A, US2586547 A, US2505090 A, US2179034 A, US2094766 A, US2075372 A, US2029790 A, US2025995 A, US2015297964 AA, US2015018129 AA, US2015007803 AA, US2014144417 AA, US2014041188 AA, US2013319386 AA, US2013274036 AA, US2013186381 AA, US2013167818 AA, US2013130820 AA, US2013118464 AA, US2013085010 AA, US2012312286 AA, US2012231896 AA, US2012227721 AA, US2012202622 AA, US2012142446 AA, US2012048251 AA, US2011275454 AA, US2011230275 AA, US2011160007 AA, US2011100345 AA, US2011017184 AA, US2010242938 AA, US2009075765 AA, US2008127955 AA, US2006229136 AA,

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DE102010017079 A1

Forward Citations: WO17023737, USD768796, USD748748, US9656136, US9630076, US9392768, US9149695, US2016144261, US2015297964, US2015007803,

Abstract:
Source: US2014144417A An improved projectile throwing apparatus is described comprising a handle, an elongate shaft, and a throwing head for throwing a projectile, such as a golf ball. The throwing head may be interchangeable with golf shafts of varied lengths, with lacrosse shafts, or other shafts to achieve accurate, long distance golf ball throws. The throwing head may be shaped to achieve throws of different distance, launch angle, and trajectory, optionally imparting spin with a retrograde ramp at the distal end of the throwing head. The throwing apparatus is useful for golf–type game play, including for those with physical disabilities, as well as for a training and instructional aid for golf, lacrosse, and other sports.

0) US2015173993A – SOFT EXOSUIT FOR ASSISTANCE WITH HUMAN MOTION

199) Family number: 56914170 (US2015173993A) © PatBase

Title: SOFT EXOSUIT FOR ASSISTANCE WITH HUMAN MOTION

Priority:
US20120701970P 20120917 US20130371675 20130917 US20130829686P 20130531
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US20140928281P 20140116 US20140936162P 20140205 US20140977880P 20140410
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US20150302347 20150410 WO2015US51107 20150919

Family:

Publication number	Publication date	Application number	Application date
AU2014364219 AA	20150618	AU20140364219	20141203
CA2885228 AA	20150316	CA20132885228	20130917
CA2911275 AA	20151102	CA20142911275	20140530
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US2016107309 AA	20160421	US20140893934	20140530
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US2017202724 AA	20170720	US20140102694	20141203
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WO16089466 A3	20160909	WO2015US51107	20150919	
WO16089466 A9	20160707	WO2015US51107	20150919	

Probable Assignee: HARVARD COLLEGE

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Inventor(s): ODONNELL KATHLEEN ELIZABETH

Agent(s): WRAYS PTY LTD; ROBIC; OSLO PATENTKONTOR AS; FUKAMI PATENT OFFICE PC; GREENBERG TRAURIG LLP; TODD C; DAVID J; PEGG WILLIAM D ET AL; RESNICK DAVID S ET AL; ZACHARAKIS MARIA LACCOTRIPE ET AL; DYKEMAN DAVID J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A41D13/00 A61B5/00 A61B5/103 A61B5/11 A61F2/36 A61F2/50 A61F2/60 A61F2/68 A61F2/70 A61F5/00 A61F5/01 A61H1/00 A61H1/02 A61H3/00 A61H3/04 A63B21/00 A63B21/005 A63B21/02 A63B21/04 A63B24/00 A63B26/00 A63B69/00 A63B71/00 B25J11/00 B25J13/00 B25J9/00 B25J9/10 B25J9/16 F03G5/06 F03G7/08 G06F19/00 (Advanced/Invention)

CPC: A61H2201/149 A61H2201/1671 A61H2201/5002 A61H2201/5079 A61H2230/605 A61H2201/1261 A61H1/0262 A61F2005/0155 A61H2201/123 A61H2201/1253 A61H2201/1676 A61H2201/5046 A61H2201/5048 A63B21/008 A63B21/023 A63B21/152 A63B23/03541 A63B23/0405 A63B2071/0666 A63B2071/068 A63B2220/24 A63B2220/801 A63B2225/20 A63B2225/50 A63B2230/60 F03G7/005 A63B21/0054 A63B21/4013 A63B21/4015 A63B21/4025 A63B21/4047 A61B5/112 A61B5/6812 A61B5/6828 A61B5/6831 A61H1/0277 A61H2201/0107 A63B21/0058 A63B21/157 A63B2024/0093 A63B2071/0655 A63B2220/16 A63B2220/89 A61F5/0102 A61F2005/0179 A61H2003/001 A61H2201/1642 A61H2201/0165 A61H2201/1673 A61H2201/5015 A61H2201/5082 A61H2230/505 A61H2201/1481 A61H2201/1628 A61H2201/164 A61H2201/165 A61H2201/5007 A61H2201/501 A61H2230/60 B25J9/104 B25J9/1694 A61H2003/007 F03G7/08 A61H2201/1215 A61H2201/1246 A61H2201/1652 A61H2201/1664 A61H2201/5061 A61H2201/5097 A61F2/68 A63B21/0414 A61F2002/745 A61F2002/747 B25J9/0006 A63B71/0054 A61H2201/5071 A61H3/00 A61H1/0244 A61H1/0266 A61H3/008 A61H3/04 A61H2003/043 A61H2201/1238 A61H2201/5064 A61H2201/5069 A61H2201/5084 A63B21/00178 A63B21/00181 A63B21/4009 A63B24/0087 A63B26/003 A63B69/0064 A63B2022/0092 A63B2071/0072 A63B2071/025 A63B2220/40 A63B2220/51 A63B2220/803 G09B19/003 A61F5/01 A61F5/0125 A61F2005/0165 A61F2005/0188 A61F2005/0137 A61F2005/0197 A61F5/0123 A61H1/024 G09B19/0038

US class: 1/1 248/550 414/4 414/7 482/78 602/26 623/26

Cited documents: WO14194257 A1, WO14109799 A1, WO13044226 A2, WO13033669 A2, WO13019749 A1, WO12178171 A2, WO12124328, WO12103073 A2, WO12050938 A2, WO11030641, WO11026086, WO11008934 A2, WO05102208, WO04047928, WO04039292, WO04017890, US8622938, US8608674, US8585620, US8564926, US8551029, US8508109, US8488295, US8467904, US8436508 BB, US8409117 BB, US8376971 BA, US8348875 BB, US8325458 BB, US8323355 BB, US8316719 BB, US8316526 BB, US8311623 BB, US8299634 BB, US8287477 BA, US8283839 BB, US8248750 BB, US8246559 BB, US8235869 BB, US8231687 BB, US8222799 BB, US8183739 BB, US8164232 BB, US8147436 BB, US8127437 BB, US8125755 BB, US8096965 BB, US8075633 BB, US8058861 BB, US8057410 BB, US8048007 BB, US7990022 BB, US7985193 BB, US7977923 BB, US7952261 BB, US7947004 BB, US7923902 BB, US7923064 BB, US7921541 BB, US7915790 BB, US7911761 BB, US7883546 BB, US7860562 BB, US7857774 BB, US7804227 BB, US7787646 BB, US7785656 BB, US7775999 BB, US7774177 BB, US7758481 BB, US7750532 BB, US7737685 BB, US7705521 BB, US7684896 BB, US7679267 BB, US7654973 BB, US7652386 BB, US7650204 BB, US7626319 BB, US7598652 BB, US7598651 BB, US7595580 BB, US7578799 BB, US7567681 BB, US7549969 BB, US7537573 BB, US7521847 BB, US7521840 BB, US7456549 BB, US7445606 BB, US7436099 BB, US7429253 BB, US7411332 BB, US7410471 BA, US7390309 BB, US7378878 BB, US7368862 BB, US7341295 BA, US7307418 BB, US7259503 BB, US7252644 BB, US7224106 BB, US7211937 BB, US7199501 BB, US7190141 BA, US7166953 BB, US7153242 BB, US7090650 BB, US7049732 BB, US7034527 BB, US7034432 BA, US6989669 BB, US6955692 BB, US6783555 BB, US6741911 BB, US6689075 BB, US6635024 BB, US6633783 BA, US6517503 BA, US6500138 BA, US6168634 BA, US6129691 A, US5865770 A, US5282460 A, US5020790 A, US4760850 A, US4697808 A, US4370977 A, US4252112 A, US4023215 A, US3411511 A, US2015173993 AA, US2014194781 AA, US2014046455 AA, US2013328440, US2013312541, US2013310979 AA, US2013307370, US2013296746 AA, US2013288863, US2013274640, US2013268256, US2013261766, US2013261513, US2013253385, US2013245512, US2013237884, US2013230667, US2013226048, US2013211295, US2013186699, US2013165817, US2013123672, US2013102935 AA, US2013093439, US2013085317 AA, US2013079686, US2013058001, US2013040783 AA, US2013019749 AA, US2013013085, US2012330198, US2012289870, US2012279175, US2012271207 AA, US2012253234 AA, US2012248942, US2012238914, US2012209152 AA, US2012185052, US2012181896, US2012179075 AA, US2012177934, US2012169184, US2012165709, US2012128960, US2012120544, US2012100286, US2012071797, US2012056903, US2012019223, US2011295385, US2011295384, US2011245738 AA, US2011209337, US2011201978 AA, US2011193362, US2011174524, US2011155307, US2011154641, US2011105966 AA, US2011093089 AA, US2011062948, US2011040216 AA, US2011033835, US2011025170, US2011004322, US2010324698, US2010319215, US2010298834, US2010286796, US2010280628, US2010271051 AA, US2010185301, US2010185259 AA, US2010152630 AA, US2010144490 AA, US2010038983 AA, US2010030343, US2010026143, US2010024180, US2010007240, US2010000547, US2009319054, US2009306548 AA, US2009256817, US2009255531, US2009221928, US2009042702, US2009024062 AA, US2008289952, US2008224564, US2008218132, US2008156363 AA, US2008097269, US2008075930, US2008071386, US2008062589, US2008039756 AA, US2007135279 AA, US2007123997 AA, US2007111868, US2007066918, US2007004571, US2007004570 AA, US2006249315 AA, US2006192465, US2006108755, US2006079817, US2005157893, US2005070834, US2005010150, US2004147378, US2004116260, US2004106881, US2004064195, US2004043879, US2003125781 AA, US2003120183 AA, US2003092545, US2003030397 AA, US2003009120 AA, US2001007845, JP4848260, JP4582523, JP4424269, JP4345025, JP2012192013, JP2011036375, JP2010051416 A2, JP2008067762 A2, EP2649976, EP2548543, EP2497610 A1, EP2226053, EP1842518, EP1589059, EP1550689, EP1324403 A1, EP1306792, EP1260201, EP0302148, EP0141640, EP0016268, DE19944139 A1, CN202342034, CN1868434 A, CN102327173, CN101175456,

Forward Citations: WO17093071, WO17079788, WO17070326, WO17026943, WO16191753, WO16154287, WO16138264, WO16134103, WO16104330, WO16096525, WO16089466, WO15157731, WO14151065, USD775198, USD772928, USD772288, US9710964, US9662262, US9656117, US9652037, US9617128, US9615992, US9597242, US9533786, US9498395, US9427864, US9403272, US9342153, US9266233, US9262064, US9230064, US9229476, US2017095925, US2017064929, US2017043476, US2017027801, US2016229049, US2016199685, US2016139666, US2016067061, US2016058646, US2016029928, US2016000635, US2015298765, US2015290794, US2015266180, US2015220158, US2015206341, US2015183624, US2015015476, US2014342884, US2014330431, US2014277739, US2012023638, JP2016521212, EP3173053, EP3040064, DE102015016643, CN105873555, CN105596181, CN105476822, CN105003402, CN105003401, CN104644408, CN104644408, CN104236925,

Abstract:
Source: US2015173993A In at least one aspect, there is provided a system for generating force about one or more joints including a soft exosuit having a plurality of anchor elements and at least one connection element disposed between the plurality of anchor elements. The system also includes at least one sensor to determine a force the at least one connection element or at least one of the plurality of anchor elements and to output signals relating to the force, at least one actuator configured to change a tension in the soft exosuit and at least one controller configured to receive the signals output from the at least one sensor and actuate the at least one actuator responsive to the received signals.

0) US2014219756A – LEVELING RAMP FOR A WHEELCHAIR

200) Family number: 57136801 (US2014219756A) © PatBase

Title: LEVELING RAMP FOR A WHEELCHAIR

Priority: US20130089053 20131125 US20130762064P 20130207 US20130783637P 20130314 US20150813762 20150730

Family:

Publication number	Publication date	Application number	Application date
US2014219756 AA	20140807	US20130089053	20131125
US2016095767 AA	20160407	US20150813762	20150730
US9101519 BB	20150811	US20130089053	20131125

Probable Assignee: DALLAS SMITH CORP

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Inventor(s):(std)**:** ASZTALOS STEPHEN A ; BACK DARREN K ; SMITH GARRETT J ; SMITH JUDSON

Agent(s): JOHN V; BINGHAM GREENEBAUM DOLL LLP

International class (IPC 8–9)**:** A61G3/06 A61G5/08 B60P1/00 B60P1/43 (Advanced/Invention); B60P1/43 (Advanced/Non–invention)

CPC: A61G3/061 B60G2400/0511 B60P1/43 A61G3/065 A61G5/08 B60P1/431 A61G3/067 A61G5/1078

US class: 1/1 414/537 414/812

Classification Explorer

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Forward Citations:

US9724252, US9597240, US9333129, US9271883, US2017036872, US2016242975, US2015328066, US2014356116, US2014248109,

Abstract:
Source: US2014219756A An apparatus for providing wheelchair access to a vehicle, including a deployable wheelchair access assembly coupled to the vehicle and deployable to a position in which one end of the assembly is in contact with the ground. The wheelchair access assembly can include multiple panels. Some embodiments include a control system for adjusting the angular relationship of one panel relative to another panel. Yet other embodiments include a sensor for measuring the inclination of the deployed assembly relative to earth's gravity. In yet other embodiments the vehicle includes a sensor for measuring the inclination of the vehicle relative to earth's gravity, and a plurality of suspension actuators for changing the inclination of the vehicle.

0) US2014248109A – RAMP ASSEMBLY WITH TILT SENSOR

201) Family number: 57312473 (US2014248109A) © PatBase

Title: RAMP ASSEMBLY WITH TILT SENSOR

Priority: US20130782721 20130301

Family:

Publication number	Publication date	Application number	Application date
US2014248109 AA	20140904	US20130782721	20130301
US9271883 BB	20160301	US20130782721	20130301

Probable Assignee: LIFT U DIVISION HOGAN MFG INC

Assignee(s):(std): JOHNSON DAVID ; LIFT U DIVISION HOGAN MFG INC ; MORRIS DONALD

Assignee(s): LIFT U DIVISION OF HOGAN MFG INC ; LIFT U DIVISION OF HOGAN MFG

Inventor(s):(std): JOHNSON DAVID ; MORRIS DONALD

Agent(s): CHRISTENSEN OCONNOR JOHNSON KINDNESS PLLC

International class (IPC 8–9): A61G3/06 B60P1/43 (Advanced/Invention)

CPC: A61G3/061 B60P1/436 A61G2203/42 B60P1/433 Y10S414/134

US class: 1/1 414/537

Classification Explorer

Cited documents: US9050229 BA, US8926254 BB, US8869333 BB, US8832890 BB, US8635729 BA, US8122553 BA, US8065770 BB, US7451512 BB, US7326024 BB, US7103935 BB, US6179545 BA, US6179545 B1, US5511922 A, US4576539 A, US3554291 A, US2014219756 AA, US2011008140 AA, US2010086386 AA, US2006245883 AA, US2003099532 AA,

Forward Citations: US9724252, US9642755, US9605466, US9597240, US9333129, US9125778, US8943631, US2016242975, US2016236546, US2015328066, US2015305952, US2015013082,

Abstract:
Source: US2014248109A A ramp assembly for providing a transition surface between a vehicle floor and an alighting surface is disclosed. The ramp assembly includes a ramp portion that is rotatable between a stowed position and a deployed position. A target operably associated with the ramp portion so that the target reciprocates along a predetermined path when the ramp portion reciprocates between the stowed position and the deployed position. A sensor fitting maintains a fixed orientation relative to a horizontal plane. A sensor is mounted to the sensor fitting such that the sensor senses the target when the ramp portion is in a predetermined position.

0) US2014265199A – WALKER

202) Family number: 57425309 (US2014265199A) © PatBase

Title: WALKER

Priority: US20130839848 20130315 US20150617872 20150209 US20160013000 20160202 US20160218052 20160724

Family:

Publication number	Publication date	Application number	Application date
US2014265199 AA	20140918	US20130839848	20130315
US2015150748 AA	20150604	US20150617872	20150209
US2016151230 AA	20160602	US20160013000	20160202
US2016324716 AA	20161110	US20160218052	20160724
US8967642 BB	20150303	US20130839848	20130315
US9414987 BB	20160816	US20160013000	20160202

Probable Assignee: ENTROPY ENTPR LLC

Assignee(s):(std)**:** BAGHERI KOUROSH ; ENTROPY ENTPR LLC

Assignee(s): ENTROPY ENTERPRISES LLC

Inventor(s):(std)**:** BAGHERI KOUROSH

Agent(s): FITCH EVEN TABIN AND FLANNERY LLP

International class(IPC 8–9)**:** A47D13/04 A61G5/10 A61G5/14 A61H3/00 A61H3/04 (Advanced/Invention)

CPC: A61H3/008 A61H2201/1633 A61H2003/043 A61H3/04 A61H2201/0161 A61H2201/1207 A61H2201/1238 A61H2201/1652 A61H2201/501 A61H2201/0103 A61H2201/0173 A61H2201/1481 A61H2201/5043 A61H2201/5058 A61H2201/5084 A61H2201/5092 A61H2201/5097 A61G5/10 A61G5/1002 A61G5/1059 A61G5/14 A61H3/00 A61H2201/5023 A61H2201/5056 A61H2201/0192

US class: 1/1 135/65 135/67 135/74 280/639 280/87.041 297/5

Classification Explorer

Cited documents: US8967642 BB, US8646804 BB, US8562007 BB, US8333208 BB, US8251380 BB, US8215652 BB, US8162333 BA, US7237844 BB, US7156465 BB, US7055847 BB, US6948727 BA, US6742523 BB, US6733018 BB, US6675820 BB, US6527285 BA, US6494815 BA, US6231056 BA, US6170840 BA, US6120045 A, US5813948 A, US5813720 A, US5732961 A, US5727800 A, US5601302 A, US5564136 A, US5538268 A, US5476432 A, US5366231 A, US5324064 A, US5255697 A, US5244443 A, US5228708 A, US5217033 A, US5123665 A, US5112044 A, US5083806 A, US5040556 A, US5033758 A, US4941497 A, US4822030 A, US4799700 A, US4770410 A, US4621804 A, US4342465 A, US4272071 A, US4249749 A, US4123078 A, US4019756 A, US3840034 A, US3778052 A, US2738830 A, US2645538 A, US2020766 A, US2015150748 AA, US2012318587 AA, US2012274037 AA, US2012215408 AA, US2011260421 AA, US2011241303 AA, US2011067740 AA, US2010170546 AA, US2007163633 AA, US2005183759 AA, US2005082886 AA,

Forward Citations: US9597251, US9539163, US9414987, US9144324, US2017079870, US2016198674, US2016022517, US2015328079, US2015305963,

Abstract:
Source: US2014265199A An apparatus having an upper frame adapted to at least partially encircle a person; a lower frame; a scissor mechanism for coupling the upper frame to the lower frame, wherein the distance between the upper frame and the lower frame can be varied by adjusting the scissor mechanism; and a telescoping rod coupled to the scissor mechanism for locking the scissor mechanism, wherein the distance between the upper frame and the lower frame is locked by the telescoping rod.

0) EP2878482A3 – UNIVERSAL–ELEKTRO–PLATTFORM MIT ELEKTROANTRIEB ...

203) Family number: 57569387 (EP2878482A3) © PatBase

Title: UNIVERSAL–ELEKTRO–PLATTFORM MIT ELEKTROANTRIEB IN DEN RADNABEN MIT AUTOMATISIERTEM SYSTEM DER SEITENSITZKANTELUNG UNIVERSAL TRANSPORT ELECTRIC PLATFORM WITH ELECTRIC DRIVES IN THE WHEEL HUBS EQUIPPED WITH AUTOMATED SYSTEM OF THE SIDE SEAT TILTING

Priority: CZ20130000227 20130327

Family:

Publication number	Publication date	Application number	Application date
CZ20130227 A3	20141008	CZ20130000227	20130327
EP2878482 A2	20150603	EP20140466005	20140205
EP2878482 A3	20160217	EP20140466005	20140205

Probable Assignee: MORAVSK V ZKUM

Assignee(s):(std)**:** HALADOVA PETRA ; MORAVSK V ZKUM ; MORAVSKY VYZKUM S R O

Assignee(s): MORAVSKY VYZKUM SRO

Inventor(s):(std)**:** HALADOVA PETRA ; POLAK DANIEL

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): B60K1/00 B60K7/00 B60N2/005 B60N2/02 B60N2/14 B60N2/24 (Advanced/Invention)

CPC: B60N2002/0256 B60N2/14 B60N2/163 B60N2/164 B60N2/245

Classification Explorer

Cited documents: US2008035828 AA, US2006061177 AA, US2005264020 AA, JP11253492 A2, CH326045 A,

Abstract:
Source: EP2878482A3 The universal transport electric platform **(25)** with the electric drives in the wheel hubs consists of a frame **(4)** of the transport electric platform and there are firmly attached to it at least two systems **(1)** of wheel suspensions with the electric motor in the hubs and there are also attached the modules **(26)** of servo amplifiers, battery module **(27),** module **(28)** of the superior control system, charging module **(29)** and power module **(30)** and is equipped with the automated system **(42)** of side seat tilting and utility extension, consisting of a telescopic base **(54)** with drives, the first arm **(55),** second arm **(56)** and seat frame **(57).** The advantage of the universal transport electric platform with the automated system of side seat tilting is structurally simpler wheel suspension (lower price even thanks to the lower number of the drives for direction steering), bigger variability of the overall sizes and thus the options for use and the unique mechanism of seat manipulation, variability even for handicapped persons. Also the built–in the automated system of side seat tilting with the advantage of the outside entry brings with it a remarkable combination of known principles from the area of robotics and mechanics of transmissions for new application characteristic in its simplicity and minimum number of drives.

0) US2014341687A – METHODS, SYSTEMS, AND DEVICES RELATING TO MULTI...

204) Family number: 57802274 (US2014341687A) © PatBase

Title: METHODS, SYSTEMS, AND DEVICES RELATING TO MULTIFUNCTIONAL AIRCRAFT AISLE WHEELCHAIR

Priority: US20130824410P 20130517 US20130866088P 20130815 US20140281217 20140519 WO2014US38607 20140519 US20170434274 20170216

Family:

Publication number	Publication date	Application number	Application date
CA2912396 AA	20151112	CA20142912396	20140519
EP2996655 A1	20160323	EP20140798285	20140519
EP2996655 A4	20170125	EP20140798285	20140519
US2014341687 AA	20141120	US20140281217	20140519
US2017156960 AA	20170608	US20170434274	20170216
WO14186792 A1	20141120	WO2014US38607	20140519

Probable Assignee: DANE TECHNOLOGIES INC

Assignee(s):(std)**:** DANE TECH INC ; DANE TECHNOLOGIES INC

Assignee(s): DVORAK ANDREW ; JOHNSON DAN

Inventor(s):(std)**:** DVORAK ANDREW ; JOHNSON DAN

Agent(s): RICHES MCKENZIE AND HERBERT LLP; ROBERTS GWILYM VAUGHAN; SOLBERG SEAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/04 A61G3/06 A61G5/00 A61G5/10 A61G7/10 A61G7/14 (Advanced/Invention); A61G5/00 A61G7/14 (Advanced/Non–invention)

CPC: A61G7/1032 A61G5/00 A61G7/103 A61G7/1067 A61G2220/10 A61G7/1034 A61G7/1036 A61G7/1046 A61G7/1059 A61G5/1056 A61G3/063 A61G7/1015

US class: 414/528 414/542 414/812

Classification Explorer

Cited documents: US8250687 BB, US7996934 BB, US7716759 BB, US6637610 BA, US657639 A, US6464243 BB, US6154690 A, US6003171 A, US5802632 A, US5669620 A, US5373591 A, US5152016 A, US4837873 A, US4515385 A, US2918681 A, US2854673 A, US2792052 A, US2439163 A, US2011083267 AA, US2010251481 AA, US2006150320 AA,

Abstract:
Source: US2014341687A The various embodiments disclosed herein relate to wheelchair systems for transporting a mobility–challenged passenger onto an aircraft and transfer that passenger into an aircraft seat. The implementations include systems with lift systems, belt systems, and/or transfer ramps.

0) US2014353948A – VEHICLE ACCESSIBILITY SYSTEM

205) Family number: 57927618 (US2014353948A) © PatBase

Title: VEHICLE ACCESSIBILITY SYSTEM

Priority: US20130829804P 20130531 US20140292510 20140530

Family:

Publication number	Publication date	Application number	Application date
US2014353948 AA	20141204	US20140292510	20140530

Probable Assignee: HERMANSON JEFFREY J

Assignee(s):(std)**:** HERMANSON JEFFREY J

Inventor(s):(std)**:** HERMANSON JEFFREY J

International class (IPC 8–9)**:** A61G3/06 B60G17/052 B62D21/00 (Advanced/Invention)

CPC: B60J5/047 B60J5/06 B60G17/017 B60G2206/91 B60G2300/38 B60G2500/30 A61G3/065 A61G3/061

US class: 280/43.17 280/657

Classification Explorer

Cited documents: US6340280 BA, US5618151 A, US2007207020 AA,

Forward Citations: WO16099974, US9597240, US9333129,

Abstract:
Source: US2014353948A A system for facilitating access to a vehicle includes a vehicle frame and a plurality of wheels supported by a surface, wherein each wheel is coupled to a control arm coupled to the frame. A body is supported by the frame and defines a passenger compartment with a driver's side and a passenger side. A height adjustment assembly is positioned between each control arm and the associated wheel. A controller is operable to actuate each height adjustment assembly to raise and lower the frame and body between a raised position and a lowered position in which a portion of the frame contacts the surface.

0) US2014371038A – EXERCISE APPARATUS AND SYSTEM FOR STATIONARY US...

206) Family number: 58066728 (US2014371038A) © PatBase

Title: EXERCISE APPARATUS AND SYSTEM FOR STATIONARY USERS

Priority: US20130836087P 20130617 US20140306696 20140617 US20140927930P 20140115 WO2014US42727 20140617 US20170443171 20170227

Family:

Publication number	Publication date	Application number	Application date
CN105451825 A	20160330	CN201480045655	20140617
EP3010604 A2	20160427	EP20140741448	20140617
US2014371038 AA	20141218	US20140306696	20140617
US2017165553 AA	20170615	US20170443171	20170227
US9579535 BB	20170228	US20140306696	20140617
WO14204955 A2	20141224	WO2014US42727	20140617
WO14204955 A3	20150702	WO2014US42727	20140617

Probable Assignee: MARKOWITZ BARUCH

Assignee(s):(std)**:** MARKOWITZ BARUCH

Inventor(s):(std)**:** MARKOWITZ BARUCH

Agent(s): MOFFAT JOHN ANDREW; CALHELHA AND DOYLE LLC; ROTBERG TUVIA ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** A61H3/04 A63B21/00 A63B21/04 A63B21/055 A63B21/28 A63B22/00 A63B22/20 A63B23/035 A63B71/00 (Advanced/Invention); A61H3/00 A63B22/00 (Advanced/Non–invention)

CPC: A61H3/04 A61H2003/004 A61H2003/046 A63B21/00065 A63B21/00185 A63B21/0414 A63B21/055 A63B21/0557 A63B21/28 A63B21/4023 A63B21/4033 A63B21/4035 A63B21/4045 A63B22/20 A63B22/203 A63B23/03508 A63B23/03516 A63B23/03583 A63B2022/0094 A63B2208/0233 A63B2208/0252 A63B2210/50 A63B71/0009 A63B21/0442 A63B22/0023

US class: 482/123

Classification Explorer

Cited documents: WO10133731 A2, WO08103052 A2, US8021273 BB, US7955238 BB, US7798943 BA, US7569002 BB, US7094188 BB, US7066868 BB, US6338354 BA, US6117056 A, US5112044 A, US4765614 A, US2012048318 AA, US2006003877 AA, US2005250628 AA, US2002169058 AA, GR1003252 B, GB2284768 A1, DE29720303 U1, DE20014378 U1, CN201832055 A, CN201744116 U,

Forward Citations: US2017020764, US2016271478,

Abstract:
Source: US2014371038A Exercise equipment, particularly a linear movable structure and associated selectable elastic resistance bands with or without guide track members are designed to allow low–impact exercises for one or two persons at the same time while permitting either or both participants to remain stationary when utilizing the equipment.

0) US2015060162A – STANDING WHEELCHAIR

207) Family number: 58629052 (US2015060162A) © PatBase

Title: STANDING WHEELCHAIR

Priority: US20130083453 20131119 US20130870955P 20130828 US20150922163 20151025 WO2013IL50953 20131119

Family:

Publication number	Publication date	Application number	Application date
AU2013399469 AA	20150305	AU20130399469	20131119
CA2922012 AA	20160222	CA20132922012	20131119
CN105916478 A	20160831	CN201380080459	20131119
EP3038583 A1	20160706	EP20130892152	20131119
EP3038583 A4	20170419	EP20130892152	20131119
IN201617010425 A	20160805	IN201617010425	20160328
JP2016530013 T2	20160929	JP20160537426T	20131119
KR20160065101 A	20160608	KR20167008212	20131119
US2015060162 AA	20150305	US20130083453	20131119
US2016045382 AA	20160218	US20150922163	20151025
US9173792 BB	20151103	US20130083453	20131119
WO15029005 A1	20150305	WO2013IL50953	20131119

Probable Assignee: UPNRIDE ROBOTICS LTD

Assignee(s):(std)**:** GOFFER AMIT ; UPNRIDE ROBOTICS LTD

Inventor(s):(std)**:** GOFFER AMIT

Agent(s): PIPERS; GOWLING WLG CANADA LLP; PEARL COHEN ZEDEK LATZER BARATZ UK LLP; PEARL COHEN ZEDEK LATZER BARATZ LLP; PEARL COHEN ZEDEK LATZER BARATZ ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/00 A61G5/04 A61G5/10 A61G5/12 A61G5/14 A61G7/10 A61H3/00 B60L11/18 B60L15/20 B62K3/00 (Advanced/Invention); A61G5/12 (Advanced/Non–invention)

CPC: A61G2203/42 A61G5/1067 A61G2203/14 B60L11/1803 B60L2200/16 Y02T10/645 Y02T10/7005 Y02T10/705 Y02T10/72 Y02T10/7275 A61G5/12 A61G2203/10 A61G5/124 A61G5/127 A61G5/128 A61G5/14 A61G5/04 A61G5/042 A61G5/10 A61G5/104 A61G5/1078 A61G5/1089 B60L11/1877 B60L15/20 B60L2200/34 A61G7/1053 A61G2200/34 A61G2200/36 A61G5/1097

US class: 1/1 180/282 180/315 180/41 180/89.15 280/657

Classification Explorer

Cited documents: WO9623478 A1, WO10109466 A1, US9044369 BB, US8910975 BB, US8567804 BA, US7887133 BB, US7815209 BB, US7338133 BB, US7264272 BB, US7165778 BB, US6851711 BB, US6832770 BA, US6231067 BA, US6125957 A, US6047979 A, US5701968 A, US5366036 A, US5346280 A, US5265689 A, US5096008 A, US4623194 A, US4456086 A, US4437537 A, US4390076 A, US4054319 A, US2013253385 AA, US2013219615 AA, US2013113178 AA, US2012255118 AA, US2011201978 AA, US2010207354 AA, US2010152987 AA, US2010004820 AA, US2008295595 AA, US2008132383 AA, US2008097256 AA, US2006048785 AA, US2005151360 AA, US2005087375 AA, US2004267175 AA, US2004150204 AA, US2002027385 AA, US2002027334 AA, EP1475063 B1, EP1475063 A1, CN2378262 Y, CN2304381 Y, CN2294717 Y, CN1765345 A,

Forward Citations: US9445959, KR101673166,

Abstract:
Source: US2015060162A A standing wheelchair device includes a wheeled base for enabling the device to move on a supporting surface. A harness assembly includes a plurality of braces for attaching to parts of a body of a user of the device, at least some adjacent braces of being connected by joints. A lifting unit mounted on the base, supports a hip joint of the harness assembly, and is configured to raise or lower the hip joint. When the user is attached to the harness assembly and is in a sitting position, raising a height of the hip joint causes the user to assume a standing position. When the when the user is attached to the harness assembly and is in a standing position, lowering the hip joint causes the user to assume a sitting or reclining position.

208) Family number: 58629049 (US2015060156A) © PatBase

Title: LIGHTWEIGHT FOLDING MOTORIZED CHAIR WITH MECHANICAL TRACTION STEERING AND BRAKING

Priority: US20130018728 20130905 WO2014US52353 20140822

Family:

Publication number	Publication date	Application number	Application date
CA2922107 AA	20160222	CA20142922107	20140822
CN105517525 A	20160420	CN201480049124	20140822
EP3041445 A1	20160713	EP20140842273	20140822
EP3041445 A4	20170412	EP20140842273	20140822
TW201509398 A	20150316	TW20140120018	20140610
US2015060156 AA	20150305	US20130018728	20130905
US9050226 BB	20150609	US20130018728	20130905
WO15034693 A1	20150312	WO2014US52353	20140822

Probable Assignee: HUSTED JOEL

Assignee(s):(std)**:** HUSTED JOEL ; HUSTED ROYCE

Inventor(s):(std)**:** HUSTED JOEL ; HUSTED ROYCE

Agent(s): EDWARD VALERIE G; GALLO WOLFGANG; BRIAN J; TEAGUE BRIAN J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47C4/00 A61G5/04 A61G5/08 A61G5/10 A61G5/12 B62M1/14 (Advanced/Invention); A61G5/10 (Advanced/Non–invention)

CPC: A61G5/045 A61G5/08 A61G5/1008 A61G5/101 A61G5/1018 A61G5/1032 A61G5/1035 A61G5/1037 A61G5/048 A61G5/085 A61G5/0883 A61G5/1051 A61G5/1089 A61G5/122 A61G5/128

US class: 180/6.48 280/246 280/250.1 280/650 297/423.26

Classification Explorer

Cited documents: US7845665 BB, US7832515 BB, US7222921 BB, US6428029 BA, US6371228 BA, US6273212 BA, US5778996 A, US5244223 A, US5209509 A, US5076602 A, US4957303 A, US4786064 A, US4736960 A, US2675064 A, US2010193278 AA, US2008265542 AA, US2002145271 AA, GB2485654 A1, FR2455886 A1, EP0630634 A1, CN202490113 U, CN202490112 U,

Abstract:
Source: US2015060156A A lightweight folding motorized chair with mechanical traction steering and braking. A folding frame supports the traction wheels and the drive system with hinged frame members configured to mechanically fold the control levers, wheels and periphery components into a substantially flat configuration for easy storage in small spaces. A mix of weight saving choices including: structural materials; mechanical traction control system; lithium ion battery; and overall lightweight design keeps the folding motorized chair at a size and weight that a person can lift into the trunk of a car.

0) US2015153175A – AUTONOMOUS TRANSPORT NAVIGATION TO A SHIPPING L...

209) Family number: 58742028 (US2015153175A) © PatBase

Title: AUTONOMOUS TRANSPORT NAVIGATION TO A SHIPPING LOCATION USING ELEMENTS OF A WIRELES NODE NETWORK

Priority:

US20130910202P	20131129	US20140003566P	20140528	US20140445523	20140729
US20140445676	20140729	US20140446165	20140729	US20140446054	20140729
US20140446360	20140730	US20140446357	20140730	US20140488587	20140917
US20140488604	20140917	US20140488650	20140917	US20140488509	20140917
US20140446366	20140730	US20140488474	20140917	US20140492425	20140922
US20140493126	20140922	US20140489583	20140918	US20140489687	20140918
US20140488704	20140917	US20140492470	20140922	US20140492146	20140922
US20140492575	20140922	US20140492355	20140922	US20140492187	20140922
US20140492851	20140922	US20140492889	20140922	US20140538839	20141112
US20140489525	20140918	US20140489554	20140918	US20140489540	20140918
US20140539084	20141112	US20140539058	20141112	US20140538857	20141112
US20140538921	20141112	US20140539118	20141112	US20140538971	20141112
US20140539027	20141112	US20140538995	20141112	US20140538868	20141112
US20140538887	20141112	US20140538851	20141112	US20140538908	20141112
US20150862812	20150923	US20150611362	20150202	WO2014US64501	20141107
US20160207545	20160712	WO2015US32815	20150528	US20170436899	20170220

Family:

Publication number	Publication date	Application number	Application date
CA2926543 AA	20160405	CA20142926543	20141107
CA2949285 AA	20161115	CA20152949285	20150528
CN105745675 A	20160706	CN201480065077	20141107
CN106664507 A	20170510	CN201580040711	20150528
EP3074903 A2	20161005	EP20140874211	20141107
EP3074903 A4	20170802	EP20140874211	20141107
EP3149973 A1	20170405	EP20150799628	20150528
IN201617021468 A	20160831	IN201617021468	20160622
JP2017506375 T2	20170302	JP20160535017T	20141107
US2015153175 AA	20150604	US20140539084	20141112
US2015154370 AA	20150604	US20140539058	20141112
US2015154431 AA	20150604	US20140445676	20140729
US2015154531 AA	20150604	US20140492425	20140922
US2015154532 AA	20150604	US20140493126	20140922
US2015154536 AA	20150604	US20140538857	20141112
US2015154538 AA	20150604	US20140446165	20140729
US2015154539 AA	20150604	US20140446357	20140730
US2015154540 AA	20150604	US20140446360	20140730
US2015154541 AA	20150604	US20140488587	20140917
US2015154542 AA	20150604	US20140488604	20140917
US2015154543 AA	20150604	US20140488650	20140917
US2015154544 AA	20150604	US20140488704	20140917
US2015154545 AA	20150604	US20140489583	20140918
US2015154546 AA	20150604	US20140489687	20140918
US2015154547 AA	20150604	US20140492146	20140922
US2015154548 AA	20150604	US20140492187	20140922
US2015154549 AA	20150604	US20140492355	20140922
US2015154550 AA	20150604	US20140492470	20140922
US2015154551 AA	20150604	US20140492575	20140922
US2015154552 AA	20150604	US20140492851	20140922
US2015154553 AA	20150604	US20140492889	20140922

US2015154554 AA	20150604	US20140538839	20141112	
US2015154555 AA	20150604	US20140538921	20141112	
US2015154556 AA	20150604	US20140538971	20141112	
US2015154557 AA	20150604	US20140539118	20141112	
US2015154585 AA	20150604	US20140488509	20140917	
US2015154844 AA	20150604	US20140539027	20141112	
US2015156066 AA	20150604	US20140538868	20141112	
US2015156100 AA	20150604	US20140538995	20141112	
US2015156109 AA	20150604	US20140446366	20140730	
US2015156253 AA	20150604	US20140489525	20140918	
US2015156254 AA	20150604	US20140489554	20140918	
US2015156605 AA	20150604	US20140446054	20140729	
US2015156627 AA	20150604	US20140538887	20141112	
US2015156718 AA	20150604	US20140489540	20140918	
US2015156747 AA	20150604	US20140538851	20141112	
US2015347959 AA	20151203	US20140538908	20141112	
US2015349917 AA	20151203	US20140488474	20140917	
US2016012390 AA	20160114	US20150862812	20150923	
US2016037478 AA	20160204	US20150611362	20150202	
US2016320773 AA	20161103	US20160207545	20160712	
US2017164319 AA	20170608	US20170436899	20170220	
US8989053 BA	20150324	US20140445523	20140729	
US9182231 BB	20151110	US20140446366	20140730	
US9182232 BB	20151110	US20140538857	20141112	
US9234757 BB	20160112	US20140446054	20140729	
US9402242 BB	20160726	US20150611362	20150202	
US9426773 BB	20160823	US20140489540	20140918	
US9426774 BB	20160823	US20140539084	20141112	
US9510316 BB	20161129	US20140539084	20141112	
US9591607 BB	20170307	US20140489540	20140918	
US9674812 BB	20170606	US20140538851	20141112	
WO15099890 A2	20150702	WO2014US64501	20141107	
WO15099890 A3	20150813	WO2014US64501	20141107	
WO15099890 A9	20150917	WO2014US64501	20141107	
WO15184055 A1	20151203	WO2015US32815	20150528	

Probable Assignee: FEDEX CORP SERVICES INC

Assignee(s):(std)**:** FEDEX CO RPORATE SERVICES INC ; FEDEX CORP SERVICES INC ; FEDEX CORPORATE SERVICES INC

Assignee(s): HOLLAHAN TERENCE ; SKAAKSRUD OLE PETTER ; BENTON STEVEN

Inventor(s):(std)**:** BENTON STEVEN ; HOLLAHAN TERENCE ; SKAAKSRUD OLE PETTER

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; WEICKMANN AND WEICKMANN PARTMBB; MIYOSHI HIDEKAZU; WITHERS AND KEYS LLC; BESSENGER LESLIE F III; BESSENGER III F LESLIE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** B65D25/02 B65G61/00 G01C21/00 G01C21/34 G01C21/36 G05D1/00 G05D1/02 G06F15/173 G06F19/00 G06K19/07 G06K7/10 G06Q10/04 G06Q10/08 G06Q20/14

G06Q20/22 G06Q20/32 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/06 G08B21/02 H04B1/38 H04B1/3822 H04H20/61 H04H20/71 H04L1/00 H04L12/24 H04L12/26 H04L12/28 H04L12/64 H04L12/707 H04L12/751 H04L29/06 H04L29/08 H04W12/06 H04W12/08 H04W24/00 H04W24/10 H04W28/02 H04W4/00 H04W4/02 H04W52/02 H04W52/04 H04W64/00 H04W76/02 H04W8/18 H04W8/24 H04W84/02 H04W84/20 (Advanced/Invention)

CPC: H04W12/06 H04W4/006 G06Q10/083 G06Q30/0269 G06Q10/0838 G06Q10/087 H04W4/023 H04W4/025 G06Q10/0836 G06Q10/0835 H04W52/0212 H04W4/008 H04W4/02 H04L12/6418 B65D25/02 G06F19/322 G06F19/3418 G06K7/10366 G06K19/0712 G06Q20/14 G06Q20/22 G06Q20/325 G06Q20/40 G08B21/0261 G08B21/0269 H04B1/3822 H04H20/61 H04H20/71 H04L41/0813 H04L41/0823 H04L43/10 H04L45/22 H04L65/403 H04L67/10 H04L67/12 H04L67/18 H04L67/303 H04L67/42 H04W8/18 H04W8/24 H04W12/08 H04W24/10 H04W52/04 H04W64/00 H04W64/006 H04W76/02 H04W8/183 H04W4/028 H04W28/0231 G06Q30/0639 H04L1/0006 H04L41/026 G06Q10/0832 G01C21/00 Y02B60/50 H04W40/02 G06Q10/08355 G06Q10/0833 G05D1/021 G01C21/3453 G01C21/3407 G01C21/362 H04W64/003 G05D1/0022 G05D1/0088 G06F19/323 G06Q30/0267 H04B17/3913 H04W52/223 H04W52/40 G06Q10/04

US class: 1/1 235/385 340/10.1 340/539.13 370/255 370/311 370/328 455/456.1 701/23 701/24 705/14.66 705/2 705/330 705/332 705/333 705/337 705/341 705/39 705/44 709/204 709/208 709/223 709/224 709/239

Classification Explorer

Cited documents: WO05034425 A1, WO0163318 A1, WO0160038 A1, WO0146649 A1, WO0128274 A1, US9633327 BB, US9260244 BA, US8994514 BA, US8989053 BA, US8766797 BB, US8755823 BB, US8725165 BB, US8688101 BA, US8560274 BB, US8447882 BB, US8392275 BB, US8299920 BB, US8239169 BB, US8167202 BB, US8000276 BB, US7876239 BB, US7623033 BB, US7545326 BB, US7539622 BA, US7529597 BA, US7518511 BA, US7370079 BB, US7242926 BA, US7221668 BB, US7212829 BA, US7183924 BA, US7165102 BB, US7085629 BA, US7035240 BA, US6985750 BA, US6970183 BA, US6904359 BB, US6859831 BA, US6853911 BA, US6748320 BB, US6748318 BA, US6711399 BA, US6674860 BA, US6662016 BA, US6577484 BA, US6574484 BA, US6526335 BA, US6505048 BA, US6483433 BB, US6466788 BA, US6434113 BA, US6360102 BA, US6334047 BA, US6311069 BA, US6255989 BA, US6240365 BA, US6085090 A, US6052597 A, US6011510 A, US5969673 A, US5959577 A, US5953650 A, US5917632 A, US5884216 A, US5854994 A, US5799252 A, US5691980 A, US5673304 A, US5515419 A, US5430730 A, US5414432 A, US5400246 A, US5400020 A, US5223844 A, US2016224929 AA, US2015349917 AA, US2015248801 AA, US2015222517 AA, US2015148140 AA, US2015139124 AA, US2015120045 AA, US2015102903 AA, US2015057497 AA, US2015019391 AA, US2014341227 AA, US2014324527 AA, US2014270356 AA, US2014258168 AA, US2014244834 AA, US2014222711 AA, US2014211691 AA, US2014196140 AA, US2014184386 AA, US2014180959 AA, US2014162702 AA, US2014149308 AA, US2014116569 AA, US2014067609 AA, US2014052832 AA, US2014047242 AA, US2014029501 AA, US2014025746 AA, US2013324164 AA, US2013273938 AA, US2013271280 AA, US2013245973 AA, US2013242929 AA, US2013241712 AA, US2013225087 AA, US2013166246 AA, US2013165149 AA, US2013107770 AA, US2013106893 AA, US2013047233 AA, US2012320790 AA, US2012299721 AA, US2012262277 AA, US2012258669 AA, US2012252488 AA, US2012209730 AA, US2012197911 AA, US2012187916 AA, US2012158606 AA, US2012036198 AA, US2012022907 AA, US2011316716 AA, US2011295411 AA, US2011273294 AA, US2011258058 AA, US2011137775 AA, US2011078089 AA, US2011077909 AA, US2011050424 AA, US2011022533 AA, US2010299401 AA, US2010267375 AA, US2010223127 AA, US2010195507 AA, US2010150122 AA, US2010142448 AA, US2010135178 AA, US2010105406 AA, US2010076902 AA, US2010063847 AA, US2010060452 AA, US2010039284 AA, US2010029232 AA, US2009327391 AA, US2009327333 AA, US2009322890 AA, US2009322510 AA, US2009295537 AA, US2009287827 AA, US2009252134 AA, US2009252130 AA, US2009201850 AA, US2009157420 AA, US2009123665 AA, US2009084836 AA, US2009072944 AA, US2009037196 AA, US2009018768 AA, US2008300985 AA, US2008267150 AA, US2008255863 AA, US2008191877 AA, US2008167897 AA, US2008112378 AA, US2008061966 AA, US2008061963 AA, US2008056162 AA, US2008055068 AA, US2008040244 AA, US2008040243 AA, US2008040242 AA, US2008004994 AA, US2007238417 AA, US2007178908 AA, US2007174136 AA, US2007171997 AA, US2007110010 AA, US2007075861 AA, US2007075833 AA, US2007060212 AA, US2007060098 AA, US2007050313 AA, US2007030151 AA, US2007021124 AA, US2006253590 AA, US2006250249 AA, US2006244624 AA, US2006229895 AA, US2006208899 AA, US2006208885 AA, US2006200560 AA, US2006173749 AA, US2006168644 AA, US2006055508 AA, US2006018274 AA, US2005285740 AA, US2005230417 AA, US2005222853 AA, US2005208959 AA, US2005179545 AA, US2005141465 AA, US2005049821 AA, US2005006452 AA, US2004253923 AA, US2004215532 AA,

US2004143654 AA, US2004049451 AA, US2004002352 AA, US2003231112 AA, US2003220711 AA, US2003184475 AA, US2003149794 AA, US2003052786 AA, US2003018927 AA, US2002163912 AA, US2002143670 AA, US2002113703 AA, US2002090063 AA, US2002087375 AA, US2002000916 AA, US2001022615 AA, EP0936794 A2,

Forward Citations: WO17058924, WO17048313, WO17035052, WO17007544, US9736791, US9736694, US9736628, US9727841, US9717065, US9715233, US9704408, US9699593, US9682627, US9674812, US9622159, US9602349, US9601023, US9591607, US9588513, US9560617, US9552564, US9541631, US9536216, US9523986, US9514471, US9503969, US9491587, US9483950, US9441977, US9440605, US9426773, US9420407, US9363627, US9342987, US9318024, US9317036, US9294869, US9261371, US9236909, US2017172415, US2017171747, US2017127262, US2017086016, US2017078954, US2017074617, US2016366592, US2016295353, US2016269884, US2016259342, US2016240087, US2016227361, US2016156569, US2016144875, US2016100276, US2016056966, US2016055360, US2016050114, US2016026967, US2016001720, US2015358759, US2015330796, US2015287307, US2015281767, US2015198945, US2015189461, US2015189042, US2015181548, US2015180540, US2015156718, US2015151637, US2015133155, US2014324627, US2014278125, EP3159865,

Abstract:
Source: US2015153175A Methods, media, and node−enabled autonomous transport vehicles are described for navigating to a shipping location using a plurality of nodes in a wireless node network. A node associated with the autonomous transport vehicle, such as a mobile master node, detects a signal broadcast from an ID node associated with the shipping location, and instructs the ID node to lower a power level of the broadcast signal. The mobile master node identifies the signal broadcast from the ID node with the lowered power level, and determines a direction of the ID node relative to the mobile master node based upon the detected signal with the lowered power level. The mobile master node then navigates to the ID node associated with the shipping location based upon the determined direction, which may involve providing the determined direction to an input for the vehicle's control system.

0) US2016273226A – ASSISTANCE DEVICE FOR A PERSON WITH REDUCED MOB...

210) Family number: 59141879 (US2016273226A) © PatBase

Title: ASSISTANCE DEVICE FOR A PERSON WITH REDUCED MOBILITY

Priority: FR20130060800 20131104 WO2014FR52785 20141103

Family:

Publication number	Publication date	Application number	Application date
CA2927404 AA	20160413	CA20142927404	20141103
EP3066274 A1	20160914	EP20140809451	20141103
FR3012832 A1	20150508	FR20130060800	20131104
FR3012832 B1	20151204	FR20130060800	20131104
IL245391 A0	20160630	IL20140245391	20141103
US2016273226 AA	20160922	US20140033918	20141103
US9719261 BB	20170801	US20140033918	20141103
WO15063432 A1	20150507	WO2014FR52785	20141103
ZA201602943 A	20170726	ZA20160002943	20160503

Probable Assignee: MYD L

Assignee(s):(std)**:** MYD L

Assignee(s): BELMAN PIERRE

Inventor(s):(std)**:** BELMAN PIERRE

Inventor(s): PIERRE BELMAN

Agent(s): GOUDREAU GAGE DUBUC; DE KERNIER GABRIEL; CABINET NETTER; DORITY AND MANNING PA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G A61G3/06 B60P B60P1/43 E04F E04F11/00 E04F11/06 F16H19/04 (Advanced/Invention); E04F (Subclass/Invention)

CPC: F16H19/04 E04F11/002 E04F2011/005

US class: 14/71.3

Classification Explorer

Cited documents: WO9806370 A1, WO9626848 A1, US9045908 BA, US8943631 BA, US8925131 BA, US8918939 BA, US8887337 BA, US8832893 BA, US8813290 BA, US8739342 BA, US8631529 BA, US8505141 BA, US8359691 BB, US8250693 BA, US6601677 BA, US6109395 A, US5636399 A, US2006245883 AA, FR3020081 A1, FR3016149 A1, FR2947224 A1, FR2944955 A1, EP1034765 A2,

Forward Citations: WO17093663, US9708815, FR3044271,

Abstract:
Source: US2016273226A The invention concerns an assistance device (1) to allow a wheeled vehicle to overcome an obstacle, comprising a frame, (2), an upper plate (4) a lower plate (3) with lateral rims (41), a flap (5) and a locking member (71; 72). The upper plate (4) supported on the lateral rims (41). By moving in translation between a deployed position and a storage position, the lower plate (3) mechanically determines the height position of the upper plate (4) by sliding on the lateral rims (41). The flap (5) pivots relative to the upper plate (4) between a substantially vertical rest position and a deployed position resting on the lower plate (3). The flap (5) forms a junction between the lower plate (3) and the upper plate (4). The locking member (71; 72) is supported by the lateral rims (41) and locks the flap (5) in the storage position of the lower plate (3) and releases the flap (5) when the lower plate (3) leaves the storage position of same.

0) WO15076763A1 – TRANSPORT CHAIR FOR THE DISABLED SIEGE DE TRAN...

211) Family number: 59350153 (WO15076763A1) © PatBase

Title: TRANSPORT CHAIR FOR THE DISABLED

Priority: TR20130013663 20131125

Family:

Publication number	Publication date	Application number	Application date
TR201313663 A2	20150622	TR20130013663	20131125
WO15076763 A1	20150528	WO2014TR00334	20140905

Probable Assignee: INAN HAKAN

Assignee(s):(std)**:** INAN HAKAN

Assignee(s): HAKAN INAN

Inventor(s):(std)**:** INAN HAKAN ; INAN MURAT

Inventor(s): MURAT INAN ; HAKAN INAN

Agent(s): HAKAN OEZCAN; DESTEK PATENT INC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 A61G3/08 B60P1/00 (Advanced/Invention); A61G3/02 (Advanced/Non–invention)

CPC: A61G3/0808 A61G3/0209 A61G3/062

Classification Explorer

Cited documents: US4733903 A, US4483653 A, US2007164539 AA, CA1090245 A1,

Abstract:
The present invention is related to transport chair for the disabled (100) which provides the transportation of orthopedically disabled people (who cannot use their feet) from one place to another, characterized in comprising a seat (1) on which the disabled individual sits, chair wheels (13) which are mountable and demountable to and from said seat (1), a steering drag link (4) enabling said seat (1) to enter into and exit from the vehicle, a steering drag link motor (5) controlling the movement of said steering drag link (4) towards inside and outside of the vehicle, a worm gear (6) enabling said seat (1) to move up and down, a worm gear motor (7) moving the seat (1) up and down by rotating said worm gear (6).

0) DE202014100151U1 – ROLLSTUHLVERLADEVORRICHTUNG FUER DAS WAHLWEISE ...

212) Family number: 59340898 (DE202014100151U1) © PatBase

Title: ROLLSTUHLVERLADEVORRICHTUNG FUER DAS WAHLWEISE EINLADEN EINES ROLLSTUHLS IN UND AUSLADEN DES ROLLSTUHLS AUS EINEM KRAFTFAHRZEUG ROLLSTUHLVERLADEVORRICHTUNG for selectively loading a WHEELCHAIR IN and unload WHEELCHAIR FROM A MOTOR VEHICLE (Machine translation)

Priority: DE201420100151U 20140114

Family:

Publication number	Publication date	Application number	Application date
DE202014100151 U1	20150603	DE201420100151U	20140114

Probable Assignee: IDOLUTION UG HAFTUNGSBESCHRAENKT

Assignee(s):(std)**:** IDOLUTION UG HAFTUNGSBESCHRAENKT

International class (IPC 8–9): A61G3/02 B60P1/43 (Advanced/Invention)

CPC: A61G3/061

Classification Explorer

Abstract:
Source: DE202014100151U1 Rollstuhlverladevorrichtung fuer das wahlweise Einladen eines Rollstuhls in und das Ausladen des Rollstuhls aus einem Kraftfahrzeug (2), wobei die Rollstuhlverladevorrichtung (1) loesbar mit dem Kraftfahrzeug (2) verbindbar ist, und wobei die Rollstuhlverladevorrichtung (1) aufweist: – einen von dem Kraftfahrzeug (2) verschiedenen Grundkoerper (14), der zum loesbaren Verbinden der Rollstuhlverladevorrichtung (1) mit dem Kraftfahrzeug (2) loesbar mit dem Kraftfahrzeug (2) koppelbar ist, – zwei schwenkbar an diesem Grundkoerper (14) angebrachte Schwenkarme (10, 12), die quer zu ihrer jeweiligen Laengserstreckung voneinander beabstandet sind; – eine Aufnahmeeinrichtung (16) zur Aufnahme des Rollstuhls, wobei die Aufnahmeeinrichtung (16) mit jedem der Schwenkarme (10, 12) verbunden ist, so dass der mittels der Aufnahmeeinrichtung (16) gekoppelte Rollstuhl durch gemeinsames Schwenken der beiden Schwenkarme (10, 12) bewegbar ist; und – einer Antriebseinrichtung (18) zum Antreiben von Schwenkbewegungen der beiden Schwenkarme (10, 12). Rollstuhlverladevorrichtung for selectively loading a wheelchair into and unloading the wheelchair from a motor vehicle (2), the Rollstuhlverladevorrichtung (1) releasably connected to the motor vehicle (2) is connected, and the Rollstuhlverladevorrichtung (1) comprising: – one of the motor vehicle (2) various basic body (14) of the motor vehicle (2) for releasably connecting the Rollstuhlverladevorrichtung (1) releasably connected to the motor vehicle (2) can be coupled, – two pivotally on this basic body (14) mounted pivoting arms (10, 12) which are transversely spaced from each other to their respective Laengserstreckung; – A receiving means (16) for receiving the wheel chair, wherein the receptacle means (16) with each of the pivot arms (10, 12) is connected, so that the means of the recording means (16) coupled to said wheelchair by jointly pivoting the two pivot arms (10, 12) is movable; and – a drive device (18) for driving pivoting movements of the two swivel arms (10, 12) .

0) US2015179025A – MODULAR PRIVACY BOOTH FOR COOPERATIVE USE WITH ...

213) Family number: 59583810 (US2015179025A) © PatBase

Title: MODULAR PRIVACY BOOTH FOR COOPERATIVE USE WITH TELLER STATION, ATM, OR THE LIKE

Priority: US20130765705P 20130216 US20140178743 20140212 US20160202009 20160705

Family:

Publication number	Publication date	Application number	Application date
US2015179025 AA	20150625	US20140178743	20140212
US2016356052 AA	20161208	US20160202009	20160705

Probable Assignee: COWELL JUSTIN D

Assignee(s):(std)**:** COWELL JUSTIN D

Inventor(s):(std)**:** COWELL JUSTIN D

International class (IPC 8–9)**:** E04F11/00 E04H1/06 E04H1/12 E05G5/02 E05G7/00 G07F19/00 (Advanced/Invention)

CPC: E05G7/00 G07F19/205 E04F11/002 E04H1/06 E04H1/125 E04H3/08 E05G5/02 A47B83/001 A47B2200/007 A47B2200/0071

US class: 109/10 52/79.1

Classification Explorer

Cited documents: US8783419 BB, US8499494 BB, US7721850 BB, US6298603 BA, US6182798 BA, US5651219 A, US5553990 A, US5542500 A, US5282341 A, US5217090 A, US5105915 A, US4947765 A, US4813475 A, US4741275 A, US4586441 A, US4475465 A, US3302547 A, US3100389 A, US2046726 A, US2014373761 AA, US2011174200 AA, US2009300860 AA, US2008244978 AA, US2004262383 AA,

Forward Citations: USD748281,

Abstract:
Source: US2015179025A A privacy booth for isolating a user from the surrounding environment so as to provide acoustical and possibly visual privacy to the user. A single privacy booth may be utilized when a user must interact with an electronic device or terminal, for example, an ATM. When interacting with a human, for example, a bank teller, a pair of joined privacy booths provide acoustical and visual privacy to both interacting parties. The solid but possibly transparent barrier between the user and the teller helps prevent "snatch and grab" type crimes and protects the teller from armed robbery attempts. Access to the user's privacy booth may be controlled using access keypads that open semi−circular doors. A transaction pass−through tube allows for passing paper documents back and forth between the user and the teller. The privacy booth may have an elevateable floor and a ramp allowing access to wheel chair confined persons.

0) US2015190927A – CUSTOMIZABLE ROBOTIC SYSTEM

214) Family number: 59685740 (US2015190927A) © PatBase

Title: CUSTOMIZABLE ROBOTIC SYSTEM

Priority: US20120806382 20121221 US20150662431 20150319 US20160255935 20160902

Family:

Publication number	Publication date	Application number	Application date
US2015190927 AA	20150709	US20150662431	20150319
US2017015003 AA	20170119	US20160255935	20160902
US9440356 BB	20160913	US20150662431	20150319

Probable Assignee: CROSSWING INC

Assignee(s):(std)**:** CROSSWING INC

Inventor(s):(std)**:** SUTHERLAND STEPHEN B ; WICK DALE

International class (IPC 8–9): B25J11/00 B25J5/00 B25J9/16 G05B15/00 H04L29/06 H04W4/00 (Advanced/Invention)

CPC: B25J9/1689 H04W4/005 H04L65/60 B25J5/007 Y10S901/01 B25J11/009 G05B2219/40174

US class: 1/1 700/257 700/259 901/1

Classification Explorer

Cited documents: US8670017 BB, US2009301522 AA, US2007219654 AA, US2004182614 AA, US2002153184 AA,

Forward Citations: US9696813, US9682482, US9597807, US2016350589, DE102015118540,

Abstract:
Source: US2015190927A A telepresence robot uses three separately controlled omni−wheels and a computer processing arrangement to reposition the robot based on received positional signals. The telepresence robot captures and transmits visual information of a limited field of view and visual information of a broad field of view. The visual information is received and displayed on a remote input device and portions of the displayed information are selected to send an appropriate signal to reposition the robot based on the selected portion. A method of remotely controlling a telepresence robot is also disclosed.

0) EP2893912B1 – MEDIZINISCHER ROLLSTUHL MIT GELENK–FUSSSTUETZE ...

215) Family number: 59751220 (EP2893912B1) © PatBase

Title: MEDIZINISCHER ROLLSTUHL MIT GELENK–FUSSSTUETZE HOSPITAL CHAIR WITH HINGED FOOT SUPPORT

Priority: EP20150150409 20150108 FR20140050181 20140110

Family:

Publication number	Publication date	Application number	Application date
DE602015000558 D1	20161215	DE201560000558T	20150108
DK2893912 T3	20170123	DK20150150409T	20150108
EP2893912 A1	20150715	EP20150150409	20150108
EP2893912 B1	20161102	EP20150150409	20150108
ES2608663 T3	20170412	ES20150150409T	20150108
FR3016286 A1	20150717	FR20140050181	20140110
FR3016286 B1	20160205	FR20140050181	20140110
PL2893912 T3	20170630	PL20150150409T	20150108

Probable Assignee: MEDICATLANTIC SA

Assignee(s):(std)**:** MEDICATLANTIC ; MEDICATLANTIC SA

Inventor(s):(std)**:** BILLAUD JULIEN ; LE ROUX DAVID

Inventor(s): JULIEN BILLAUD ; DAVID LE ROUX

Agent(s): DEMULSANT XAVIER; LEHMANN MARIA ISABEL; DEJADE AND BISET

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A61G5/10 A61G5/12 A61G5/14 (Advanced/Invention); A61G5/10 (Advanced/Non–invention)

CPC: A61G5/12 A61G5/101 A61G5/1018 A61G5/1037 A61G5/1059 A61G5/107 A61G5/121 A61G5/125 A61G5/128

Classification Explorer

Cited documents: US2522729 A, US2012292877 AA, GB2473423 A1, FR2692454 A1,

DE202012100345 U1

Abstract:
Source: EP2893912A1 Fauteuil (1) roulant comprenant: – un chassis (2), une assise (6) et des roues (13), – un frein, – un mecanisme d'actionnement du frein, qui comprend: o une came munie d'un cran d'arret, o un ressort de rappel; – un repose–pied (44) independant de l'assise (6) et mobile par rapport au chassis (2), – un mecanisme (45) d'actionnement du repose–pied (44); – un levier (36) de commande monte en rotation par rapport au chassis (2), ce levier (36) etant solidaire en rotation de la came et couple au mecanisme (45) d'actionnement du repose–pied (44). Armchair (1) rolling, comprising: – a chassis (2), a seat (6) and wheels (13), – a brake, – a brake actuating mechanism which comprises: o a cam provided with 'a stop notch, where a return spring; – A footrest (44) independent of the seat (6) and movable relative to the frame (2), – a mechanism (45) for actuating the footrest (44); – A lever (36) for controlling rotatably mounted relative to the frame (2), this lever (36) being integral in rotation with the cam and coupled to the mechanism (45) for actuating the footrest (44) <. / p>

0) WO15132543A1 – EXTENSIBLE MESHED BI–STRUCTURE, MULTILAYER STRU...

216) Family number: 60334620 (WO15132543A1) © PatBase

Title: EXTENSIBLE MESHED BI–STRUCTURE, MULTILAYER STRUCTURES

Priority: FR20140051873 20140307 WO2015FR50558 20150306 WO2015FR50560 20150306

Family:

Publication number	Publication date	Application number	Application date
EP3113649 A1	20170111	EP20150713989	20150306
EP3113650 A1	20170111	EP20150714584	20150306
FR3018175 A1	20150911	FR20140051873	20140307
FR3018175 B1	20160729	FR20140051873	20140307
WO15132542 A1	20150911	WO2015FR50558	20150306
WO15132543 A1	20150911	WO2015FR50560	20150306

Probable Assignee: HERBAULT PATRICK

Assignee(s):(std)**:** HERBAULT PATRICK

Assignee(s): PATRICK HERBAULT

Inventor(s):(std)**:** HERBAULT PATRICK

Inventor(s): PATRICK HERBAULT

Agent(s): CABINET CAMUS LEBKIRI; LEBKIRI ALEXANDRE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A47C17/76 A47C19/12 A47C19/14 A47C4/28 A47D1/02 B62B7/00 (Advanced/Invention)

CPC: A47C4/283 A47C17/76 A47C19/124 A47C19/14 B62B9/102 B62B2205/02 B62B2501/00 B62B2501/065

Classification Explorer

Cited documents: WO13175146 A1, WO06015461 A1, US779622 A, US6284331 BA, US4717283 A, US3483070 A, US317922 A, US2001054198 AA, FR1355292 A, EP0239941 A2,

Abstract:
The extensible meshed bi–structure comprises: • a first meshed structure (SM1), the meshes being distributed along a first plane, the first meshed structure (SM1) being foldable along a first direction (D1) comprises in the first plane (P1); • a frame structure (SC) comprising at least two longitudinal elements rigidly connected to the first meshed structure (SM1) and arranged on either side of the opposing edges of said first meshed structure (SM1) and making it possible to vary the dimensions of the bi–structure; • a second meshed structure (SM2), the meshes being distributed along a second plane (P2) parallel to the first plane, the second meshed structure (SM2) being foldable along the first direction (D1); • connection means (ML) between the first meshed structure (SM1) and the second meshed structure (SM2) so as to rigidly connect the two meshed structures to one another, the connecting means enabling synchronization of the folding of the two meshed structures (SM1, SM2) in the first direction (D1). The second meshed structure (SM2) comprising a number (N2) of meshes strictly greater than the number (N1) of meshes of the first meshed structure (SM1), the ratio (RPN) between the number of meshes (N2) of the second meshed structure (S2) and the number of meshes (N1) of the first meshed structure (SM1) being substantially close to the ratio (RPL) between the width of a layer (L1) of the first meshed structure (S1) and the width of a layer (L2) of the second meshed structure (S2).

0) GB2524567A – A COUPLING ASSEMBLY FOR A SWIVEL CASTOR WHEEL

217) Family number: 56589154 (GB2524567A) © PatBase

Title: A COUPLING ASSEMBLY FOR A SWIVEL CASTOR WHEEL

Priority: GB20140005550 20140327

Family:

Publication number	Publication date	Application number	Application date
GB201405550 A0	20140514	GB20140005550	20140327
GB2524567 A1	20150930	GB20140005550	20140327

Probable Assignee: POLLARD JAMES

Assignee(s):(std)**:** POLLARD JAMES

Assignee(s): JAMES POLLARD

Inventor(s):(std)**:** POLLARD JAMES

Inventor(s): JAMES POLLARD

International class (IPC 8–9): B60B33/00 (Advanced/Invention)

CPC: B60B33/0065 B60B33/0021 B60B2900/3312 B60B2900/531 B60B2900/551 B60B33/0002

Classification Explorer

Cited documents: US2009066150 AA, GB2363324 A1, EP0625434 A1,

Abstract:
Source: GB2524567A A coupling assembly for coupling a swivel castor wheel to an object which is to be moved across a surface. In use, an orientation of the swivel castor can be adjusted in order to change a direction of travel of the object across the surface. One disclosed coupling assembly 10 comprises a first coupling component 18 which can be mounted to one of a swivel castor wheel (figure 1, 12) and an object (figure 1, 8), and a second coupling component 20 which can be mounted to the other one of the swivel castor wheel and the object. The coupling components are arranged so that they can rotate relative to one another about a common rotation axis 22, to facilitate adjustment of the orientation of the swivel castor wheel relative to the object. The coupling components are arranged so that, in use, they are biased under the action of gravity towards at least one predetermined rotational orientation relative to one another, to provide a directional bias in the orientation of the swivel castor wheel with respect to the object and so direction of travel of the object across a surface.

0) FR3019036A – DISPOSITIF D'EMBARQUEMENT D'UNE PERSONNE SUR SO...

218) Family number: 60544719 (FR3019036A) © PatBase

Title: DISPOSITIF D'EMBARQUEMENT D'UNE PERSONNE SUR SON FAUTEUIL ROULANT A L'AIDE D'UNE RAMPE D'ACCES COULISSANTE DEVICE FOR LOADING OF A PERSON ON HIS WHEELCHAIR USING A SLIDING RAMP SIGN (Machine translation)

Priority: FR20140052521 20140325

Family:

Publication number	Publication date	Application number	Application date
FR3019036 A1	20151002	FR20140052521	20140325

Probable Assignee: GRUAU LAVAL

Assignee(s):(std)**:** GRUAU LAVAL

Inventor(s):(std)**:** BOSCHER DAVID

Inventor(s): DAVID BOSCHER

Agent(s): CABINET PATRICE VIDON

International class (IPC 8–9)**:** A61G3/06 (Advanced/Invention)

CPC: A61G3/061 A61G3/0808

Classification Explorer

Cited documents: WO10145691 A1, WO10043753 A1, WO08130229 A1, US5137413 A, US2009274542 AA, EP2260817 A2, EP1034764 A2,

DE102008005900 A1

Abstract:
Source: FR3019036A L'invention concerne un dispositif d'embarquement et de maintien d'un fauteuil roulant dans un vehicule comportant une rampe permettant, en position inclinee, le roulage par le hayon arriere du vehicule d'un fauteuil roulant sur lequel une personne est assise, et un rail destine a deplacer en translation la dite rampe dans une direction longitudinale au vehicule, La rampe comporte des moyens de fixation du fauteuil permettant de solidariser le fauteuil a la rampe. Le rail est montee sur un pivot fixe a l'arriere du vehicule de facon qu'en s'inclinant l'extremite arriere de la rampe se deploie et touche le sol. De cette maniere, la rampe est plus compacte et l'embarquement necessite moins de place a l'arriere du vehicule. De plus, la position plus ou moins inclinee de la rampe pivotante permet de s'adapter a la configuration du terrain a l'arriere du vehicule et a son eventuelle inclinaison. Selon un perfectionnement, le coulissement de la rampe et son pivotement sont animes par un bloc moteur electrique. The invention relates to a loading device and for holding a wheelchair in a vehicle having a ramp permitting, in the inclined position, the rolling by the tailgate of the vehicle to a wheelchair on which a person is seated, and a rail intended to move said ramp in translation in a longitudinal direction to the vehicle, the ramp comprises chair fastening means for securing the wheelchair to the ramp. The rail is montee on a fixed pivot at the rear of the vehicle that way inclining the rear extremity of the ramp extends and touches the ground. In this way, the ramp is more compact and requires less loading space at the rear of the vehicle. In addition, more or less inclined ramp the swivel position can be adapted to the lay of the land at the rear of the vehicle and its inclination eventual. In a further development, the sliding of the ramp and its pivoting are animes by an electric engine block.

0) US2016009169A – ELECTRICALLY MOTORIZED WHEEL

219) Family number: 60549968 (US2016009169A) © PatBase

Title: ELECTRICALLY MOTORIZED WHEEL

Priority:

US20140083851P	20141124	US20140092243P	20141215	US20140975658P	20140404
US20150678855	20150403	US20150679737	20150406	US20150679721	20150406
US20150679775	20150406	US20150679902	20150406	US20150679912	20150406
US20150679871	20150406	US20150679801	20150406	US20150679836	20150406
US20150680210	20150407	US20150679822	20150406	US20150680319	20150407
US20150680266	20150407	US20150680277	20150407	US20150680340	20150407
US20150680348	20150407	US20150680352	20150407	US20150680362	20150407
US20150680329	20150407	US20150951251	20151124	US20150951234	20151124
US20150951209	20151124	US20150951145	20151124	US20150951165	20151124
WO2015US24369	20150403	WO2015US62525	20151124		

Family:

Publication number	Publication date	Application number	Application date
CA2943454 AA	20160921	CA20152943454	20150403
CA2968682 AA	20170523	CA20152968682	20151124
EP3126184 A1	20170208	EP20150774057	20150403
US2016009169 AA	20160114	US20150680266	20150407
US2016009179 AA	20160114	US20150679775	20150406
US2016009181 AA	20160114	US20150679737	20150406
US2016009223 AA	20160114	US20150680319	20150407
US2016009293 AA	20160114	US20150679721	20150406
US2016009334 AA	20160114	US20150679902	20150406
US2016009335 AA	20160114	US20150679912	20150406
US2016009336 AA	20160114	US20150680277	20150407
US2016009337 AA	20160114	US20150680340	20150407
US2016009338 AA	20160114	US20150680348	20150407
US2016009339 AA	20160114	US20150680352	20150407
US2016011003 AA	20160114	US20150680362	20150407
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US2016012652 AA	20160114	US20150680329	20150407
US2016012721 AA	20160114	US20150679836	20150406
US2016012723 AA	20160114	US20150680210	20150407
US2016014205 AA	20160114	US20150679822	20150406
US2016014252 AA	20160114	US20150678855	20150403
US2016075175 AA	20160317	US20150951251	20151124
US2016075177 AA	20160317	US20150951234	20151124
US2016075226 AA	20160317	US20150951209	20151124
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US9636992 BB	20170502	US20150679737	20150406
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WO15154046 A1	20151008	WO2015US24369	20150403
WO16086057 A1	20160602	WO2015US62525	20151124
WO16086057 A9	20170316	WO2015US62525	20151124

Probable Assignee: SUPERPEDESTRIAN INC

Assignee(s):(std)**:** SUPERPEDESTRIAN INC

Assignee(s): STEVENS JON ; HEINZMANN JOHN DAVID ; SIMARD JAMES ; ROY ROBERT PAUL ; ZIOLEK MICHAEL ; WEINSTEIN JEFFREY JAY ; FONG LONG HIN ; BARBER ERIC ; BIDERMAN ASSAF ; CAGNIE RUBEN ; CHAN TAI

Inventor(s):(std)**:** BARBER ERIC ; BIDERMAN ASSAF ; CAGNIE RUBEN ; CHAN TAI ; FONG LONG HIN ; HEINZMANN JOHN DAVID ; ROY ROBERT PAUL ; SIMARD JAMES ; STEVENS JON ; WEINSTEIN JEFFREY JAY ; ZIOLEK MICHAEL

Agent(s): BORDEN LADNER GERVAIS LLP; SUER STEVEN JOHANNES; GTC LAW GROUP PC AND AFFILIATES; WISZ DAVID L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class(IPC 8–9)**:** A61B5/00 A61B5/11 A61G5/04 A63B21/005 A63B21/22 A63B22/06 A63B24/00 B60B1/02 B60B1/04 B60B27/00 B60B27/04 B60B30/00 B60B35/00 B60B35/12 B60B35/16 B60C5/00 B60C9/00 B60K7/00 B60L11/00 B60L11/18 B60L15/20 B60L3/00 B60L3/12 B60L7/00 B60L7/12 B60L9/00 B60Q5/00 B60Q9/00 B60R16/02 B60R25/04 B60R25/10 B60R25/20 B60W50/08 B61L25/02 B62B3/00 B62B5/00 B62M25/08 B62M6/45 B62M6/60 B62M6/80 B62M6/90 E05B49/00 E05B81/54 G01C21/36 G05D1/00 G05D1/02 G06F9/445 G06Q50/10 G06Q50/30 G07C5/00 G07C5/02 G07C5/08 G07C9/00 G08G1/00 G08G1/01 G08G1/052 G08G1/123 G08G1/127 G08G1/13 H02J7/00 H02K11/00 H02K7/00 H02P29/00 H02P29/20 H02P3/06 H02P6/08 H04L29/08 H04M1/725 H04W4/00 (Advanced/Invention); B60W50/00 E05B47/00 G08G1/16 (Advanced/Non–invention)

CPC: B60K2007/0092 B60L3/0061 B60L3/12 B60L15/20 B60B1/0276 B60B1/042 B60B27/0047 B60B2320/10 H02J7/0042 B62M6/90 B62M6/60 B60Y2200/13 B60B27/0015 B60B2900/113 B60B2900/541 B60B27/04 H02K7/006 B60B2360/102 B60B2360/104 B60B2360/106 B60B2360/108 B60B2900/90 B60B2900/513 A61B5/024 A61B5/6894 B60L3/003 B60L15/025 B60L2240/642 B60L2240/662 B60L2240/667 B60L2250/10 B60L2250/12 B60L2250/16 B60L3/0038 B60L11/1816 A61G5/045 G01C21/3461 G07C5/006 G07C5/008 G07C5/02 G07C5/0808 G07C9/00007 G07C9/00309 G07C2009/00769 A61B5/0002 A61B5/11 A61B5/6893 A61B5/7275 A61B5/7282 A61B5/222 B60K1/04 A61B5/0205 A61B5/1118 B60K2001/045 A61B5/225 A61B2560/0204 A61B2560/0252 A61B2560/0257 B60K2007/0038 B60Y2200/84 B60B30/00 B60B35/00 B60B35/12 B60B35/16 B60L7/14 B60L7/24 B60L11/1872 B60L2200/24 B60L2220/46 B60L2270/40 G06Q50/10 Y02T90/161 H04W4/046 A61G2203/32 B60Y2410/113 H04W4/027 B60W50/085 B60W2050/0014 B60W2050/0089 B60L3/0046 B60L11/1851 E05B49/006 E05B81/54 E05B2047/0088 G06Q50/30 B60L11/1803 B60L2250/24 B60L2250/26 B62K2204/00 H04W4/003 H04W4/008 G08G1/015 G08G1/09626 G08G1/096716 G08G1/096758 G08G1/096775 G08G1/096791 G08G1/165 G08G1/166 H02P3/06 H02P6/08 B60K7/0007 G01C21/3484 G01C21/3632 G01C21/3664 B60R16/02 B60R25/04 B60R25/1003 B60R25/20 Y02T10/643 Y02T10/72 Y02T10/644 Y02T10/7072 Y02T90/14 Y02T10/705 H04W4/00 H04W4/005 H04W4/02 H04W4/023 A61G5/048 B60L7/12 B60L11/007 B60L11/1805 B60L11/1861 B60L11/1864 B60L15/2009 B60L15/2036 B60L2200/12 B60L2200/34 B60L2200/36 B60L2200/40 B60L2220/44 B60L2220/50 B60L2240/12 B60L2240/36 B60L2240/421 B60L2240/423 B60L2240/425 B60L2240/461 B60L2240/463 B60L2240/545 B60L2240/547 B60L2240/549 B60L2240/622 B60L2240/68 B60L2240/70 B60L2260/44 G05D1/021 G05D1/0285 G05D1/0287 G05D1/0291 H02P29/20 Y02T10/641 Y02T10/645 Y02T10/7005 Y02T10/7044 Y02T10/7061 Y02T10/7275 Y02T10/7291 Y02T90/16 Y02T90/162 A63B21/00181 A63B21/0053 A63B21/0058 A63B21/0618 A63B22/20 A63B23/047 A63B2024/0093 A63B2071/0018 A63B2220/12 A63B2220/14 A63B2220/18 A63B2220/34 A63B2220/51 A63B2220/54 A63B2220/56 A63B2220/58 A63B2220/72 A63B2225/20 A63B2225/50 G01S19/05 G08B21/182 A63B21/22 A63B22/0605 A63B24/0062 A63B24/0084 A63B24/0087 G08G1/0129 G08G1/052 G08G1/123 G08G1/127 G08G1/13 G08G1/20 B62B1/18 B62B3/007 G08G1/16 G08G1/202 B60C5/005 B60C9/00 H02K11/20 H02K11/33 H04M1/7253 G07C5/085 G07C2205/02 G01C21/36 Y02P90/60

US class: 16/400 165/185 180/6.28 180/65.51 29/402.03 29/592 29/825 29/894.341 29/894.343 301/104 301/110.5 301/57 301/6.5 310/67R 340/435 340/5.61 340/990 340/993 455/420 482/5 70/237 70/263 701/117 701/2 701/22 701/29.2 701/31.4 701/32.3 701/33.4 701/538 709/201 717/168

Classification Explorer

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Forward Citations: USD791023, USD789417, US9733098, US9701190, US9669897, US9669700, US9669699, US9636993, US9636992, US9547944, US9513629, US9508257, US9437052, US2017158431, US2017123415, US2016318421, US2016144709, US2016068223, US2016012649, US2015377635, US2015317900, US2015316389, US2015265200, US2015210350, KR101685599, FR3042449, EP3025949, DE102016200377,

Abstract:
Source: US2016009169A A system, method, and device for operations of an electrically motorized vehicle. The vehicle can utilize an electrically motorized wheel to convert a non−motorized wheeled vehicle to an electrically motorized wheeled vehicle. The electrically motorized wheeled vehicle includes a plurality of electrically motorized wheels, each of the plurality of electrically motorized wheels in communication with at least one other of the plurality of electrically motorized wheels to coordinate operation of the vehicle.

0) US2017183877A – DEVICE OF HELPING A VEHICLE TO NEGOTIATE AN OBS...

220) Family number: 60684949 (US2017183877A) © PatBase

Title: DEVICE OF HELPING A VEHICLE TO NEGOTIATE AN OBSTACLE

Priority: FR20140053600 20140422 WO2015FR51083 20150422

Family:

Publication number	Publication date	Application number	Application date
CA2946100 AA	20161017	CA20152946100	20150422
EP3134591 A1	20170301	EP20150725774	20150422
FR3020081 A1	20151023	FR20140053600	20140422
FR3020081 B1	20160506	FR20140053600	20140422
US2017183877 AA	20170629	US20150304894	20150422
WO15162378 A1	20151029	WO2015FR51083	20150422

Probable Assignee: MYD L

Assignee(s):(std)**:** MYD L

Assignee(s): BELMAN PIERRE ; ENGLER FREDERIC

Inventor(s):(std)**:** BELMAN PIERRE ; ENGLER FREDERIC

Inventor(s): FREDERIC ENGLER ; PIERRE BELMAN

Agent(s): GOUDREAU GAGE DUBUC; CABINET NETTER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E04F11/00 E04G27/00 (Advanced/Invention)

CPC: E04F11/002 E04F2011/005 E04F2011/007

Classification Explorer

Cited documents: WO04074041 A2, US2002110444 AA, FR2947224 A1, DE10255516 A1,

Forward Citations: WO17093664, US9719261, US2016273226, FR3044272,

Abstract:
Source: US2017183877A The disclosure in some aspects relates to recombinant adeno−associated viruses having distinct tissue targeting capabilities. In some aspects, the disclosure relates to gene transfer methods using the recombinant adeno−associate viruses. In some aspects, the disclosure relates to isolated AAV capsid proteins and isolated nucleic acids encoding the same.

0) CA2852571A – DEVICE ALLOWING PEOPLE IN A MANUAL WHEELCHAIR O...

221) Family number: 60956770 (CA2852571A) © PatBase

Title:	DEVICE ALLOWING PEOPLE IN A MANUAL WHEELCHAIR OR WITH A MOTORIZED MOBILITY AID TO CHANGE FLOORS
Priority:	CA20142852571 20140523

Family:

Publication number	Publication date	Application number	Application date
CA2852571 AA	20151123	CA20142852571	20140523

Probable Assignee:	BOUDREAU MARTIN
Assignee(s):(std)**:**	BOUDREAU MARTIN
Inventor(s):(std)**:**	BOUDREAU MARTIN
International class (IPC 8–9)**:**	B66B11/04 B66B9/02 B66B9/08 E04G27/00 (Advanced/Invention)
CPC:	B66B9/0853 B66B9/025 B66B9/0823

Classification Explorer

Abstract:
Source: CA2852571A Mon invention, ci–apres appelee Paliateur, regroupe plusieurs appareils s'inspirant tous du meme concept de base, soit celui d'une pente repensee. Les Paliateurs permettent aux personnes se deplacant en fauteuil roulant manuel (FRM) ou avec une aide a la mobilite motorisee (AMM), de changer de palier sans avoir a toucher a quoi que ce soit et ce, de facon securitaire pour elles et leur entourage. Les Paliateurs n'ont aucune autonomie qui leur est propre et pour fonctionner, ils ont besoin de l'effort fourni par la personne se deplacant en fauteuil roulant manuel (FRM) ou de l'energie fournie par son aide a la mobilite motorisee (AMM). Les Paliateurs sont des aides fonctionnant en complementarite avec les fauteuils roulants manuels (FRM) ou les aides a la mobilite motorisees (AMM) permettant a leur utilisateur de se deplacer sur une trajectoire verticale. My invention, hereinafter called after Paliateur, brings together several devices drawing all of the same basic concept is that of a redesigned slope. The Paliateurs allow people moving in manual wheelchair (FRM) or an aid to the Motorized mobility (AMM), change bearing without having to touch has anything and, of way safe for them and their surroundings. The Paliateurs have no autonomy of its own and to operate, they need the effort made by the person moving in a manual wheelchair (FRM) or the energy provided by its aid to the Motorized mobility (AMM). The Paliateurs are aids operating in complementarity with manual wheelchairs (FRM) or the MOTORIZED mobility aids (AMM) enabling a user to move them on a vertical path.

0) US2015375965A – MODULAR ESCALATING WHEELCHAIR LIFT

222) Family number: 61267197 (US2015375965A) © PatBase

Title: MODULAR ESCALATING WHEELCHAIR LIFT

Priority: US20140002940P 20140526 US20150164043P 20150520 US20150720828 20150524

Family:

Publication number	Publication date	Application number	Application date
US2015375965 AA	20151231	US20150720828	20150524
US9469507 BB	20161018	US20150720828	20150524

Probable Assignee: UNIV DREXEL

Assignee(s):(std): UNIV DREXEL

Assignee(s): DREXEL UNIV

Inventor(s):(std): AWERBUCH JONATHAN ; BERMAN JORDAN ; EGGERT STEVE ; MIGLIUOLO GIANCARLO ; RAISER NICHOLAS

Agent(s): JOSEPH E; MAENNER AND ASSOCIATES LLC

International class (IPC 8–9): B66B9/08 (Advanced/Invention)

CPC: B66B9/08 B66B9/0815 B66B9/0846

US class: 1/1 187/201

Classification Explorer

Cited documents: US8146713 BB, US7954602 BB, US7413057 BB, US7395900 BB, US7325654 BB, US6739430 BB, US6484829 BA, US6105726 A, US5489181 A, US5476156 A, US5230405 A, US5217089 A, US5125481 A, US5105741 A, US5052521 A, US5050708 A, US4627517 A, US4345669 A, US4026388 A, US3869011 A, US3716158 A, US3500963 A, US3277978 A, US3216369 A, US3104112 A, US2847131 A, US2832436 A, US2014124293 AA, US2013299280 AA, US2012261216 AA, US2009000035 AA, US2006038360 AA, US2005150064 AA, US2003146055 AA, US2002098077 AA, US1358062 A,

Forward Citations: US2015068847,

Abstract:
Source: US2015375965A A modular lift system that can be mounted on a stairway is disclosed. The system includes forks located on a first floor onto which the user rolls their wheelchair. The forks are motor operated to traverse a toothed track between the first floor and a second floor with the wheelchair and the user riding the forks. When the forks reach the second floor, the user rolls the wheelchair off the forks.

0) US2017200197A – SYSTEMS, METHODS, AND DEVICES FOR GENERATING CR...

223) Family number: 61544898 (US2017200197A) © PatBase

Title: SYSTEMS, METHODS, AND DEVICES FOR GENERATING CRITICAL MASS IN A MOBILE ADVERTISING, MEDIA, AND COMMUNICATIONS PLATFORM

Priority: US20090293277 20090120 US20140028795P 20140724 WO2015US42040 20150724 US20170413120 20170123

Family:

Publication number	Publication date	Application number	Application date
EP3172728 A2	20170531	EP20150824646	20150724
IN201717004948 A	20170505	IN201717004948	20170210
KR20170036077 A	20170331	KR20177005363	20150724
US2017200197 AA	20170713	US20170413120	20170123
WO16014966 A2	20160128	WO2015US42040	20150724
WO16014966 A3	20160616	WO2015US42040	20150724
WO16014966 A8	20160317	WO2015US42040	20150724

Probable Assignee: BRUBAKER CURTIS M

Assignee(s):(std)**:** BRUBAKER CURTIS M

Inventor(s):(std)**:** BRUBAKER CURTIS M

Agent(s): PARNHAM KEVIN; SMITH KRISTIN D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9)**:** B60Q1/24 B60Q1/26 B60Q1/30 B60Q1/50 G02F1/00 G02F1/1333 G06Q30/02 G08G1/0967 G08G1/16 G09F21/04 G09F9/30 G09F9/35 (Advanced/Invention)

CPC: G02F2001/133314 G02F2001/133331 G09F27/00 B60Q1/24 B60Q1/50 G06Q30/0251 G08G1/0965 G08G1/096716 G08G1/096783 G08G1/166 G08G1/202 G06Q30/0266 G06Q30/0275 B60Q1/2619 B60Q1/2696 B60Q1/30 G09F9/35 B60Q1/503 G06Q30/0241 G08G1/167 G09F9/30 G09F21/048

Classification Explorer

Cited documents: WO08019105 A2, US6150930 A, US2014078407 AA, US2013231828 AA, US2012044429 AA, US2008231067 AA, US2001013016 AA,

Forward Citations: DE102016011837, DE102016011792,

Abstract:
Source: US2017200197A Methods and systems relating to a vehicle display are provided. One or more exterior vehicle body panels having an integral visual display portion are configured to show digital content and conform to the contours of the one or more exterior body panels. The visual display portion includes a light emitting portion and a covering portion. Additionally, one or more processors are configured to generate a signal received by the visual display portion and affect the digital content displayed by the visual display portion.

0) US2016023081A – METHOD AND ACCESSORIES TO ENHANCE RIDING EXPERI...

224) Family number: 61538894 (US2016023081A) © PatBase

Title: METHOD AND ACCESSORIES TO ENHANCE RIDING EXPERIENCE ON VEHICLES WITH HUMAN PROPULSION

Priority: US20140025068P 20140716 US20140341727 20140725

Family:

Publication number	Publication date	Application number	Application date
US2016023081 AA	20160128	US20140341727	20140725

Probable Assignee: POPA SIMIL ANDREI

Assignee(s):(std)**:** POPA SIMIL ANDREI ; POPA SIMIL LIVIU ; POPA SIMIL VICTOR

Inventor(s):(std)**:** POPA SIMIL ANDREI ; POPA SIMIL LIVIU ; POPA SIMIL VICTOR

International class (IPC 8–9)**:** A63B69/16 (Advanced/Invention)

CPC: A63B69/16 A63B21/00069 A63B21/0051 A63B21/015 A63B21/157 A63B22/0605 A63B24/0087 A63B2022/0623 A63B2022/0652 A63B2071/0018 A63B2071/0625 A63B2071/0636 A63B2071/065 A63B2213/004 A63B2220/12 A63B2220/13 A63B2220/17 A63B2220/40 A63B2220/44 A63B2220/51 A63B2220/54 A63B2220/75 A63B2220/76 A63B2220/801 A63B2220/803 A63B2225/50 A63B2230/30 A63B2230/42 A63B2230/43 A63B2230/436 A63B2230/50 A63B2230/60 A63B2230/65 B62M1/24 G01S19/19 A63B21/15 A63B22/0056 A63B24/0075 A63B71/0622 A63B2024/0081 A63B2024/009 A63B2024/0093 A63B2071/0638 A63B2071/0644 G09B19/0038 B62J2099/0013 B62J2099/002 A61B5/486

US class: 700/91

Classification Explorer

Abstract:
Source: US2016023081A A set of accessory devices and a method that improves riding experience indoors and outdoors on devices using human propulsion and reciprocating motion. A mechanical accessory device that adds the stepping and reciprocating motion to a pedaling system, like those used on bicycles, tricycles, boats, individual power generators used indoors and outdoors with various positions, and movement range adjustments. A set of electronic accessories added gradually, that measures, records, transmits, processes and shares a large range of the parameters, generically called "riding experience" force and displacements, giving effort and work, GPS, accelerations, movie, etc. giving the path and rider vital and functional parameters, giving medical and exploratory results. A system that uses a code to process these information and transmits on the Internet, used on their indoors devices to reproduce the experience in their terms, transforming their devices in simulators, enabled to remotely control outdoors devices.

0) US2016074261A – VEHICLE WHEELCHAIR LIFT

225) Family number: 61861348 (US2016074261A) © PatBase

Title: VEHICLE WHEELCHAIR LIFT

Priority: US20140487913 20140916

Family:

Publication number	Publication date	Application number	Application date
CA2868001 AA	20160316	CA20142868001	20141021
US2016074261 AA	20160317	US20140487913	20140916

Probable Assignee: FREEDOM MOTORS USA INC

Assignee(s):(std)**:** MOBILITY SVM LLC

Assignee(s): SCHOENIAN RICHARD J ; FREEDOM MOTORS USA INC ; MCAFEE JOHN R

Inventor(s):(std)**:** MCAFEE JOHN R ; SCHOENIAN RICHARD J

Agent(s): GOWLING WLG CANADA LLP

International class (IPC 8–9): A61G3/06 A61G7/10 B60P1/44 (Advanced/Invention)

CPC: A61G3/062

US class: 414/462

Classification Explorer

Cited documents: US8403615 BA, US6793269 BB, US4278387 A, US2007207020 AA, US2006125268 AA, US2004094983 AA,

Forward Citations: US9463121, US2017020293, US2016176459,

Abstract:
Source: US2016074261A A compact wheelchair lift mechanism utilizes a horizontal actuator to advance the vehicle doors outwardly away from the side of the vehicle together with a wheelchair user supported by a platform, and a vertical actuator which then lowers the platform with the wheelchair and user downwardly between the doors and vehicle. With the platform on the ground next to the vehicle, the user may then roll forward and away from the vehicle. The vehicle doors are also pivotably attached to the lift mechanism, such that a user may exit the vehicle by simply opening the vehicle door about its traditional door hinge, and therefore without powering the actuators. In this way, the wheel chair lift mechanism provides for safe and easy exit from the vehicle even if electrical power is lost, and facilitates use of the vehicle by both wheelchair–using drivers and drivers who do not use a wheelchair.

0) US9375986B – CART AND HITCH INSERT APPARATUS FOR A VEHICLE

226) Family number: 62743450 (US9375986B) © PatBase

Title: CART AND HITCH INSERT APPARATUS FOR A VEHICLE

Priority: US20150694626 20150423

Family:

Publication number	Publication date	Application number	Application date
US9375986 BA	20160628	US20150694626	20150423

Probable Assignee: DYKSTRA GREG R

Assignee(s):(std)**:** DYKSTRA GREG R

Inventor(s):(std)**:** DYKSTRA GREG R

Agent(s): JONATHAN R; JONATHAN RIGDON SMITH JD PC

International class (IPC 8–9)**:** B60D1/48 B60R9/06 B62B1/00 (Advanced/Invention)

CPC: B62B1/00 B60D1/58 B60D2001/005 B60R9/06 B62B5/0003

US class: 1/1

Classification Explorer

Cited documents: US8505951 BB, US7217078 BB, US7143914 BB, US2010176170 AA, US2007221695 AA, US2007170218 AA, US2006145461 AA,

Forward Citations: CN106143726,

Abstract:
Source: US9375986B A special hitch insert, adapted to receive a rolling cart, can be inserted into a standard vehicle hitch. The hitch insert allows the cart to be loaded at ground level, rolled to the rear of the vehicle, and secured to the hitch insert by using the cart as a lever to raise the cart and lock it onto the hitch insert at the level of the receiving hitch.

0) ES1162587Y – RAMPA DE LANZAMIENTO AUTODIRIGIDA

227) Family number: 63181716 (ES1162587Y) © PatBase

Title: RAMPA DE LANZAMIENTO AUTODIRIGIDA

Priority: ES20160030723U 20160602

Family:

Publication number	Publication date	Application number	Application date
ES1162587 UA	20160811	ES20160030723U	20160602
ES1162587 Y1	20161102	ES20160030723U	20160602

Probable Assignee: UNIV ALICANTE

Assignee(s):(std)**:** UNIV ALICANTE

Assignee(s): UNIVERSIDAD DE ALICANTE

Inventor(s):(std)**:** CAUS PERTEGAZ NURIA ; ROMERO MURCIA IVAN

Inventor(s): IVAN ROMERO MURCIA ; NURIA CAUS PERTEGAZ

International class (IPC 8–9): A63B47/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: ES1162587U 1. Rampa de lanzamiento autodirigida para personas con alto grado de disfuncion locomotriz que comprende los elementos: – rampa de lanzamiento, – soporte de bolas, y – sistema de union entre la rampa de lanzamiento y el soporte de bolas; que permite la realizacion de un lanzamiento rodado autonomo, sin necesidad de una persona auxiliar y permite a la persona decidir y ejecutar la direccionalidad del lanzamiento. 1. ramp of launch self–directed for people with high grade of dysfunction locomotor that includes them elements:–ramp of launch,–support of balls, and –system of union between the ramp of launch and the support of balls; that allows the realization of a launch rolled autonomous, without need of a person auxiliary and allows to the person decide and run the directionality of the launch.

0) EP3078520A1 – FAHRZEUGTUERSYSTEM VEHICLE DOOR SYSTEM SYSTEM...

228) Family number: 63192642 (EP3078520A1) © PatBase

Title: FAHRZEUGTUERSYSTEM VEHICLE DOOR SYSTEM

Priority: DE201520101740U 20150409

Family:

Publication number	Publication date	Application number	Application date
DE202015101740 U1	20160818	DE201520101740U	20150409
EP3078520 A1	20161012	EP20160164365	20160408

Probable Assignee: DESIGNQUADRAT GBR

Assignee(s):(std)**:** DESIGNQUADRAT GBR

Assignee(s): DESIGNQUADRAT GBR VERTRETUNGSBERECHTIGTE GESELLSCHAFTER ALEXANDER CHRIST 50679 KOELN GUIDO ENDERT 42799 LEICHLINGEN HORST WERGEN 42105 WUPPERTAL

Inventor(s):(std)**:** CHRIST ALEXANDER ; ENDERT GUIDO ; LEHMANN STEFAN ; WERGEN HORST

Agent(s): BALS RUEDIGER

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): B60J5/04 B60J5/06 B60P3/36 E05D15/10 (Advanced/Invention)

CPC: E05D15/1081 E05D2015/1086 E05Y2900/512 E05Y2900/531 B60J5/049 B60J5/0477 B60J5/06

Classification Explorer

Cited documents: US3905638 A, GB895370 A, DE4422321 A1,

DE202013103919 U1

DE202012102272 U1

DE102009056878 A1

CN200984985 Y, CH213397 A,

Abstract:
Source: EP3078520A1 Die Erfindung betrifft ein Fahrzeugtuersystem (1) fuer eine Wohnkabine (2) eines Caravans oder eines Motorcaravans, mit wenigstens zwei Tuerfluegeln (3, 4), wobei mit den Tuerfluegeln (3, 4) eine Ein– und/oder Ausstiegsoeffnung (5) der Wohnkabine (2) in einer Schliessposition verschliessbar oder in einer oeffnungsposition freigebbar ist, mit zumindest einem mit den Tuerfluegeln (3, 4) verbundenen oeffnungsmittel (6), wobei das oeffnungsmittel (6) derart ausgestaltet ist, dass die Tuerfluegel (3, 4) zumindest in horizontaler Richtung (x) oder zumindest in horizontaler Richtung (y) bewegbar sind. The invention relates to a vehicle door system (1) for a cabin (2) a caravan or a motor caravan, with at least two wings (3, 4), and with the door panels (3, 4) and/or an exit opening (5) (2) cabin in a closed position can be closed or disposable in an opening position is, with at least one with the wings (3, 4) affiliated opening means (6), where the opening means (6) is designed in such a way, that the door leaf (3, 4) at least in the horizontal direction (x) or at least in the horizontal direction (y) be moved are.

229) Family number: 63273213 (EP3058919A1) © PatBase

Title: TRANSPORTVORRICHTUNG ZUM TRANSPORTIEREN EINER BEHINDERTEN PERSON ODER EINER PERSON MIT EINGESCHRAENKTER MOBILITAET
TRANSPORTING APPARATUS FOR TRANSPORTING A DISABLED PERSON OR A PERSON WITH REDUCED MOBILITY

Priority: IT2014MO00300 20141022 IT2014MO00301 20141022 IT2014MO00302 20141022

Family:

Publication number	Publication date	Application number	Application date
EP3058919 A1	20160824	EP20150190854	20151021

Probable Assignee: CIRRUTO GIANNI

Assignee(s):(std)**:** CIRRUTO GIANNI ; SACCANI DAVIDE ; ZACCARO ALBERTO

Inventor(s):(std)**:** CIRRUTO GIANNI ; SACCANI DAVIDE ; ZACCARO ALBERTO

Agent(s): SAVINI STEFANIA

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A61G3/06 B60N2/24 B66B9/08 (Advanced/Invention)

CPC: A61G3/063 B60N2/245 A61G2220/16

Classification Explorer

Cited documents: US5193650 A, US4564086 A, IT1347338 A, AT9264 U1,

Abstract:
Source: EP3058919A1 A transporting apparatus (1) for transporting a disabled person or a person with reduced mobility suitable for transporting a person (110) between ground (5) and an access zone (6) of a transporting vehicle through an access space (3) of the transporting vehicle, the transporting apparatus (1) compiising removing means (4) arranged for enabling the person (110) to overcome a difference in level between the ground (5) and the access zone (6), the removing means (4) comprising a loading ramp (9) and a dragging carriage (12) connected to the loading ramp (9) to be dragged to slide thereupon, the transporting apparatus (1) further comprising fixing means (13) arranged for fixing the loading ramp (9) to a step (8) of stairs (2) of the access space (3) and a supporting device (200) arranged for supporting the disabled person or person with reduced mobility (110) and connected to the dragging carriage (12) by connecting means (10), wherein the supporting device (200) comprises a seat (62) and a supporting structure (67) connected to the connecting means (10) and arranged for supporting the seat (62), the seat (62) being slid on the supporting structure (67) and being detachable from the supporting structure (67) and couplable with a further supporting structure on the transporting vehicle.

0) WO16141471A1 – BRAKE SYSTEM FOR WHEELCHAIR SYSTEME DE FREINAG...

230) Family number: 63562945 (WO16141471A1) © PatBase

Title: BRAKE SYSTEM FOR WHEELCHAIR

Priority: US20150129258P 20150306

Family:

Publication number	Publication date	Application number	Application date
WO16141471 A1	20160915	WO2016CA50243	20160307

Probable Assignee: MOTION COMPOSITES INC

Assignee(s):(std)**:** MOTION COMPOSITES INC

Inventor(s):(std)**:** ARCHAMBAULT MICHAEL ; COUTURE PIERRE ANDRE ; GINGRAS DAVID

Agent(s): NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/02 A61G5/10 B62B5/04 (Advanced/Invention)

CPC: A61G5/1035 A61G5/101 A61G5/1018

Classification Explorer

Cited documents: US5355977 A, US4887830 A, US4560033 A,

Abstract:
A brake system for a wheelchair comprises a lever assembly adapted to be movably connected to a wheelchair frame, the lever assembly having a handle portion for hand manipulation. A brake unit is adapted to be pivotally connected to relative to the wheelchair frame, the brake unit having a brake end adapted to contact the wheel. An actuator portion and a follower portion are in the brake system, the follower portion cooperating with the actuator portion for the brake unit to be selectively displaceable between at least two configurations, including a floating configuration in which the brake end contacts the wheel so as to automatically pivot into blocking contact with the wheel when the wheel rotates rearwardly, while allowing a forward rotation of the wheel, and a locking configuration in which the brake end is manually locked into blocking contact with the wheel.

0) US2016271478A – ADAPTED FITNESS EQUIPMENT

231) Family number: 63597059 (US2016271478A) © PatBase

Title: ADAPTED FITNESS EQUIPMENT

Priority: US20150135764P 20150320 US20150149542P 20150418 US20160072417 20160317

Family:

Publication number	Publication date	Application number	Application date
US2016271478 AA	20160922	US20160072417	20160317

Probable Assignee: KABES JOSEPH WARREN

Assignee(s):(std)**:** KABES JOSEPH WARREN

Inventor(s):(std)**:** KABES JOSEPH WARREN

International class (IPC 8–9)**:** A63B21/00 A63B21/02 A63B5/20 A63B69/20 A63B71/00 (Advanced/Invention)

CPC: A63B71/0009 A63B2071/0018 A63B5/20 A63B17/04 A63B21/00061 A63B21/00069 A63B21/06 A63B21/068 A63B21/151 A63B21/1609 A63B21/4019 A63B21/4035 A63B21/4043 A63B22/20 A63B23/0405 A63B23/047 A63B23/1209 A63B59/00 A63B59/20 A63B59/42 A63B59/50 A63B59/70 A63B63/08 A63B69/0088 A63B69/18 A63B71/023 A63B71/141 A63B2071/025 A63B2071/0625 A63B2209/10 A63B2210/50 A63B2225/09 A61H3/04 A61H2201/1261 A63B21/026 A63B21/0552 A63B23/03541

US class: 482/83

Classification Explorer

Cited documents: US9393173 BA, US9162101 BB, US9149408 BB, US8961186 BB, US8936538 BB, US8434824 BB, US8162809 BA, US8061376 BB, US7510214 BA, US7377285 BB, US7370734 BB, US7001313 BA, US6692417 BB, US6612971 BA, US6474671 BA, US6453921 BA, US6416447 BA, US6004233 A, US5913749 A, US5807211 A, US5807185 A, US5713821 A, US5645516 A, US5584783 A, US5520597 A, US5478299 A, US5397154 A, US5330402 A, US5284131 A, US5116067 A, US4867445 A, US4826151 A, US4824132 A, US4753449 A, US4470598 A, US4453742 A, US4368898 A, US3986502 A, US2015335940 AA, US2015057137 AA, US2014371038 AA, US2011143893 AA, US2008161162 AA, US2002169058 AA, US2002086780 AA,

Abstract:
Source: US2016271478A An exercise apparatus includes an adjustable frame being attachable to an assistive ambulation device. The adjustable frame includes removable handles, fitting arms located on a lower portion of the adjustable frame to receive a fitness attachment, and attachment points on located on the lower portion of the adjustable frame to couple a resistance device. A jump rope trainer includes a handle; flexible tubing including a handle fastener to connect the handle to the flexible tubing; and a soft sphere shaped object. The flexible tubing includes a soft sphere shaped object fastener to connect the soft sphere shaped object to the flexible tubing.

0) WO16170364A1 – A RECONFIGURABLE WHEELED PERSONAL MOBILITY DEVI...

232) Family number: 59603326 (WO16170364A1) © PatBase

Title: A RECONFIGURABLE WHEELED PERSONAL MOBILITY DEVICE

Priority: GB20150006873 20150422

Family:

Publication number	Publication date	Application number	Application date
GB201506873 A0	20150603	GB20150006873	20150422
GB2539627 A1	20161228	GB20150006873	20150422
WO16170364 A1	20161027	WO2016GB51136	20160422

Probable Assignee: HARRISON BRIAN J

Assignee(s):(std)**:** HARRISON BRIAN ; HARRISON BRIAN J ; I GLIDER LTD

Inventor(s):(std)**:** BRIAN J HARRISON ; HARRISON BRIAN

Agent(s): MILLER JAMES LIONEL WOOLVERTON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G5/04 A61G5/08 A61G5/10 A61H3/04 B62K5/007 B62K5/025 (Advanced/Invention)

CPC: A61G5/042 A61G5/08 A61G5/1024 A61G5/1032 A61G5/1035 A61G5/1037 A61G5/1059 B62K5/007 B62K5/025 A61G5/0833 A61G5/085 A61G5/1051 B62K13/04 B62K13/06 B62K15/008 A61G5/04 A61G5/10 A61H3/04 A61H2003/043 A61H2003/046 A61H2201/0161 A61H2201/0165 A61H2201/0192 A61H2201/1207 A61H2201/1445 A61H2201/1633

Classification Explorer

Cited documents: WO15053677 A1, US6340168 BA, US6302421 BA, US2015075575 AA, US2014265188 AA, US2012205882 AA, US2010126789 AA, US2009033052 AA, US2004256166 AA, US2003019076 AA, JP2003024398 A2, FR2927843 A1, FR2783463 A1, DE29517605 U1,

DE202014102789 U1

CA2265191 AA,

Abstract:
A wheeled personal mobility device (100) for transporting a person, reconfigurable between at least three configurations.

0) US9498696B – BODY SUPPORT SYSTEM FOR GAIT TRAINING EXERCISE ...

233) Family number: 64042323 (US9498696B) © PatBase

Title: BODY SUPPORT SYSTEM FOR GAIT TRAINING EXERCISE ON A TREADMILL

Priority: US20140047011P 20140907 US20150816041 20150802

Family:

Publication number	Publication date	Application number	Application date
US9498696 BA	20161122	US20150816041	20150802

Probable Assignee: RAZON ELI

Assignee(s):(std)**:** RAZON ELI

Inventor(s):(std)**:** RAZON ELI

International class (IPC 8–9)**:** A63B22/00 A63B22/02 A63B71/00 (Advanced/Invention)

CPC: A63B71/0009 A63B22/0046 A63B22/02 A63B2071/0018 A61G5/14 A63B21/00181 A63B21/0087 A63B21/225 A63B22/0023 A63B22/0235 A63B22/0242 A63B69/0057 A63B2022/0092 A63B2022/0094 A63B2022/0097 A63B2071/0081 A63B2208/0204 A63B2208/0233 A63B2225/09 A63B2225/093 F16B7/105

Classification Explorer

Cited documents: US8608479 BB, US8480602 BA, US8460162 BB, US8323156 BB, US8246354 BB, US8147436 BB, US7980856 BB, US6689075 BB, US6224154 BA, US5502851 A, US4211426 A, US2991485 A, US2012000496 AA, US2010298102 AA,

Abstract:
Source: US9498696B A treadmill body support apparatus is provided to assist users in standing, walking and running on a treadmill surface and exercising safely on the treadmill surface with freedom of vertical and lateral gait movement. The treadmill body support apparatus can be used by disabled and impaired users that require movement of the user to and from the treadmill surface from a mobility aid such as a wheelchair and adjustable weight–bearing support and balance support while exercising safely on the treadmill surface with freedom of vertical and lateral gait movement.

0) US2017035255A – INTEGRATED EMERGENCY WASH AND SHOWER SYSTEM

234) Family number: 64692829 (US2017035255A) © PatBase

Title: INTEGRATED EMERGENCY WASH AND SHOWER SYSTEM

Priority: US20150191358P 20150711 US20150232916P 20150925 US20160207194 20160711 US20160276138 20160926

Family:

Publication number	Publication date	Application number	Application date
CA2935645 AA	20170111	CA20162935645	20160711
CA2943004 AA	20170325	CA20162943004	20160926
US2017035255 AA	20170209	US20160207194	20160711
US2017086624 AA	20170330	US20160276138	20160926

Probable Assignee: MAGARL LLC

Assignee(s):(std)**:** MAGARL LLC

Assignee(s): EVELEIGH ROBERT B ; WEST CAMERON ; BAKER THOMAS R ; EVELEIGH CARL

Inventor(s):(std)**:** BAKER THOMAS R ; EVELEIGH CARL ; EVELEIGH ROBERT B ; WEST CAMERON

Agent(s): MACRAE AND CO

International class(IPC 8–9)**:** A47K3/28 A61H35/00 A61H35/02 E03C1/04 F16K11/00 F16K11/10 F16K31/00 F16K31/64 (Advanced/Invention)

CPC: A47K3/286 A61H35/02 F16K19/006 F16K31/002 E03C1/0412 A61H35/008 A61H33/0095 A61H35/00 A61H2201/0126 A61H2201/0153 A61H2201/50 A61H2201/5025 B05B1/00

US class: 239/75 4/615

Classification Explorer

Cited documents: US5647531 A, US2013340160 AA, US2005273924 AA,

Abstract:
Source: US2017035255A Apparatus and methods for integrated emergency wash systems. Various embodiments include thermostatically controlled mixing valves arranged so as to permit load carrying by the body of the valve. Further, the integrated wash systems are especially suited for use in laboratories and manufacturing settings in which available space is at a premium.

235) Family number: 64636197 (WO17005944A1) © PatBase

Title: TRANSPORT MODULE, SELF–PROPELLED VEHICLE AND USE OF SAID TRANSPORT MODULE

Priority: WO2015ES70533 20150709

Family:

Publication number	Publication date	Application number	Application date
WO17005944 A1	20170112	WO2015ES70533	20150709

Probable Assignee: EUROMOBILITY S L

Assignee(s):(std)**:** EUROMOBILITY S L

Assignee(s): EUROMOBILITY SL

Inventor(s):(std)**:** HINOJOSA CASABLANCAS JOSEP

Agent(s): ISERN JARA JORGE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): A61G3/06 B60P1/02 B60P1/44 (Advanced/Invention)

CPC: A61G3/06 B60P1/02 B60P1/44

Classification Explorer

Cited documents: WO03065961 A1, US2009223005 AA, US2008018064 AA, US2006000951 AA, FR2534200 A1, ES2209839 T3, EP0324083 A1,

Abstract:
The invention relates to a transport module for people with reduced mobility, which can be installed on a vehicle, said vehicle being of the type comprising a chassis with a location for the driver, and said transport module comprising a load body configured in the form of a container, which load body can be lifted in relation to the vehicle, and comprising a loading/unloading opening in the front wall, and which load body also comprises a rear end portion and second lifting means between the rear end portion and the rest of the load body, such that the rear end portion can be moved vertically in relation to the rest of the load body, with an entrance/exit opening being provided in the rear end portion, and with a common load volume being defined between the rear end portion and the rest of the load body. The invention also relates to a self–propelled vehicle comprising the transport module.

0) WO17063647A1 – COVER ASSEMBLY FOR A FRICTION CLUTCH ENSEMBLE ...

236) Family number: 64818866 (WO17063647A1) © PatBase

Title: COVER ASSEMBLY FOR A FRICTION CLUTCH

Priority: DE201510219734 20151012

Family:

Publication number	Publication date	Application number	Application date
DE102015219734 B3	20170202	DE201510219734	20151012
WO17063647 A1	20170420	WO2016DE200464	20161006

Probable Assignee: SCHAEFFLER TECHNOLOGIES AG

Assignee(s):(std)**:** SCHAEFFLER TECHNOLOGIES AG

Assignee(s): SCHAEFFLER TECHNOLOGIES AND CO AG KG

Inventor(s):(std)**:** KRISTOF DANIEL ; HAVASSY BALAZS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): F16D13/58 F16D13/60 F16D13/71 (Advanced/Invention)

CPC: F16D13/585 F16D13/583 F16D2300/26

Classification Explorer

Cited documents: WO9839574 A1, WO15043597 A1, FR2459904 A1, EP2693070 A1, DE4421679 A1, DE2340391 A1, DE10080929 B4, DD100061 Z,

Abstract:
The invention relates to a cover arrangement for a friction clutch, in particular for coupling a drive shaft of a motor vehicle with at least one transmission input shaft of a transmission, at least comprising one clutch cover, a pressure plate, an actuating element which is arranged in an axial direction between the clutch cover and pressure plate and can be pivoted about a pivot bearing, which actuating element is for shifting the pressure plate with respect to the clutch cover, and at least one retaining element, wherein the at least one retaining element is secured to the clutch cover and extends from the clutch cover with a base along the axial direction beyond the actuating element and has at least one middle arm, which extends in a radial direction from the base between the clutch cover and the actuating element and forms the pivot bearing, and further having at least one inner arm, which extends in the radial direction from the base so that the actuating element is arranged between the middle arm and the inner arm.

0) WO17024415A1 – VEHICLE PROPELLED BY RACK AND PINION DRIVE SYST...

237) Family number: 64913857 (WO17024415A1) © PatBase

Title: VEHICLE PROPELLED BY RACK AND PINION DRIVE SYSTEM

Priority: US20150202871P 20150809 US20150256681P 20151117

Family:

Publication number	Publication date	Application number	Application date
WO17024415 A1	20170216	WO2016CA51159	20161005

Probable Assignee: LI MAN

Assignee(s):(std)**:** LI MAN ; LI YANG YANG

Inventor(s):(std)**:** LI MAN ; LI YANG YANG

Agent(s): ATMAC PATENT SERVICES LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): B62M1/00 (Advanced/Invention)

CPC: B62M1/18 B62M1/30 B62M1/32 B62M1/24

Classification Explorer

Cited documents: WO9622911 A1, WO06083838 A2, US6412802 BA, KR20100039069 A, KR20090132105 A, JP2005349953 A2, EP2030887 A1, DE10336120 A1, CN203372334 U, CN202966561 U, CN201283994 Y, CN102501950 A, CN102442170 A, CN101412429 A,

Abstract:
A vehicle includes a first track fixed in position relative to a frame. The first track extends from a first position to a second position in a straight line. A first rack is moveable back and forth along the straight line of the first track. A first rack gear runs along at least one side of the rack. A first pinion is coupled to the frame and includes a first pinion gear that is rotatable and engages with the first rack gear such that the first pinion gear is turned in a first direction as the first rack moves along the first track from the first position to the second position. A drive element is coupled to the frame and the first pinion, and the drive element converts rotational motion of the first pinion gear in the first direction into movement of the vehicle.

0) US2017061784A – SIP–AND–PUFF CONTROLLER OF ELECTRICAL DEVICES F...

238) Family number: 65077555 (US2017061784A) © PatBase

Title: SIP–AND–PUFF CONTROLLER OF ELECTRICAL DEVICES FOR PARAPLEGIC OR QUADRIPLEGIC HUMANS

Priority: US20150838365 20150827

Family:

Publication number	Publication date	Application number	Application date
US2017061784 AA	20170302	US20150838365	20150827

Probable Assignee: ALTORR CORP

Assignee(s):(std)**:** ALTORR CORP

Inventor(s):(std)**:** CLOUGH BRADFORD A

International class (IPC 8–9): G05B19/10 G06F3/01 G06F3/0482 G06F3/0484 G08C17/02 G10L15/22 (Advanced/Invention)

CPC: G08C17/02 G06F3/0482 G06F3/04842 G06F3/012 G06F3/013 G06F3/016 G05B19/108 G08C2201/31 G08C2201/92 A61F4/00

US class: 340/4.11

Classification Explorer

Abstract:
Source: US2017061784A In some implementations a system includes an environmental control unit and a sip–and–puff controller that is operable to be coupled to the environmental control unit via a wireless communication path, wherein the sip–and–puff controller includes a tube, an atmospheric pressure sensor mechanically coupled to the tube, a signal generator that is electrically coupled to the atmospheric pressure sensor and operable to receive readings from the atmospheric pressure sensor and operable to generate signals that are representative of a variable amount of sip and puff that is not limited to only ON and OFF that are associated with control of a graphical user interface, and the system includes a wireless communication subsystem that is electrically coupled to the signal generator that is operable to transmit the signals that are representative of the variable amount of sip and puff to the environmental control unit via the wireless communication path.

0) US2017071806A – TELESCOPING ASSEMBLY FOR USE ON A PATIENT SUPPO...

239) Family number: 65152013 (US2017071806A) © PatBase

Title:	TELESCOPING ASSEMBLY FOR USE ON A PATIENT SUPPORT APPARATUS
Priority:	US20150217588P 20150911 US20160261237 20160909

Family:

Publication number	Publication date	Application number	Application date
US2017071806 AA	20170316	US20160261237	20160909

Probable Assignee:	STRYKER CORP
Assignee(s):(std)**:**	STRYKER CORP
Inventor(s):(std)**:**	BRUBAKER MICHAEL T ; CHILDS WILLIAM D ; DERENNE RICHARD A ; GARFOOT BRYAN E ; GENTILE CHRISTOPHER ; GRAVES MICHAEL WILLIAM ; KROPP KEVIN C ; ST JOHN CONNOR F
International class (IPC 8–9)**:**	A61G1/04 A61G13/10 A61G5/10 A61G7/05 A61G7/053 A61G7/075 A61M5/14 A61N1/39 (Advanced/Invention)
CPC:	A61G7/0503 A61G7/0506 A61G7/053 A61G7/0755 A61N1/3968 A61M5/1415 A61G1/04 A61G5/1094 A61G13/10
US class:	5/600

Classification Explorer

Abstract:
Source: US2017071806A A telescoping assembly for use on a patient support apparatus. The telescoping assembly comprises an accessory and a telescoping support slidable to extend the accessory. A locking device releasably holds the telescoping support in the extended position. The accessory is manually movable by a user between a stowed position and a use position. The accessory comprises a deactivator portion operable to deactivate the locking device remotely in response to the user manually moving the accessory relative to the telescoping support toward the stowed position.

0) DE202016105665U1 – ROLLSTUHL–LIFT FUER PKW WHEELCHAIR LIFT FOR PA...

240) Family number: 65263865 (DE202016105665U1) © PatBase

Title: ROLLSTUHL–LIFT FUER PKW WHEELCHAIR LIFT FOR PASSENGER CARS (Machine translation)

Priority: DE201620105665U 20161010

Family:

Publication number	Publication date	Application number	Application date
DE202016105665 U1	20170323	DE201620105665U	20161010

Probable Assignee: FRANKE PASCAL

Assignee(s):(std)**:** FRANKE PASCAL ; WILLING STEFAN

Assignee(s): FRANKE ; WILLING

International class (IPC 8–9): A61G3/06 (Advanced/Invention)

CPC: B60R9/06 A61G3/0209

Classification Explorer

Abstract:
Source: DE202016105665U1 Vorrichtung (1) zum Transportieren eines Fahrzeugs an der Anhaengekupplung (8) eines PKW (2), mit einer Kupplungsklaue (9), die auf einem Kugelkopf der Anhaengekupplung (8) festlegbar ist, und mit einer Aufnahme, an welcher das zu transportierende Fahrzeug loesbar festlegbar ist, dadurch gekennzeichnet, dass die Aufnahme zur Befestigung eines Rollstuhls (12) ausgestaltet ist und die Vorrichtung (1) einen hoehenbeweglichen Schlitten (6) aufweist, an welchem die Aufnahme angeordnet ist, wobei der Schlitten (6) elektromotorisch beweglich ist. Device (1) in order to transport a vehicle to the trailer coupling (8) a car (2), with a clutch claw (9), that is settable on a ball of the tow bar (8) and a recording on which the portable is vehicle solvable settable, characterized that the recording for the attachment of a wheelchair (12) is designed and the hitch (1) has a height mobile carriage (6), where the recording is arranged, where the carriage (6) electric motor mobile is.

0) EP3181106A1 – TELESKOPMECHANISMUS TELESCOPIC MECHANISM MECA...

241) Family number: 65489909 (EP3181106A1) © PatBase

Title: TELESKOPMECHANISMUS TELESCOPIC MECHANISM

Priority: DE201520106872U 20151216 DE201620103784U 20160713

Family:

Publication number	Publication date	Application number	Application date
DE202016103784 U1	20170427	DE201620103784U	20160713
EP3181106 A1	20170621	EP20160203236	20161209

Probable Assignee: MOBITEC GMBH AND CO KG

Assignee(s):(std)**:** MOBITEC GMBH AND CO KG

Inventor(s):(std)**:** DAMASCHKE HARALD

Agent(s): PFISTER AND PFISTER PATENT U RECHTSANWAELTE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

International class (IPC 8–9): A61G3/06 B60R3/02 (Advanced/Invention)

CPC: A61G3/061 B60P1/433

Classification Explorer

Cited documents: WO14072603 A1, WO10003387 A1, US2014356116 AA, CH680903 A,

Abstract:
Source: EP3181106A1 Die Erfindung berifft eine Rampe fuer den Einstieg eines Rollstuhlfahrers in ein Fahrzeug, insbesondere in ein Kraftfahrzeug mit herabgesetzter Bodenwanne, wobei eine Rampenklappe in einer ersten Stellung aus dem Fahrzeug heraus klappbar ist, wodurch der Einstieg des Rollstuhlfahrers in das Fahrzeug ermoeglicht ist, die Rampenklappe in einer zweiten Stellung im Inneren des Fahrzeugs derart anordenbar ist, dass der Rollstuhlfahrer im Fahrzeug Platz findet und die Rampenklappe in einer dritten Stellung auf oder ueber dem Fahrzeugboden im Wesentlichen horizontal anordenbar ist, wobei fuer den Wechsel der Rampenklappe von der ersten zur zweiten Stellung zumindest eine Drehachse vorgesehen ist, um die sich die Rampenklappe bewegt und wobei fuer den Wechsel der Rampenklappe von der zweiten zur dritten Stellung zumindest eine weitere Drehachse vorgesehen ist, um die sich die Rampenklappe bewegt, wobei ein Kraftspeicher vorgesehen ist, der eine Unterstuetzungskraft fuer die Bewegung der Rampenklappe von der zweiten zur dritten Stellung und fuer die Bewegung von der dritten zur zweiten Stellung bereitstellt. The invention reefs a ramp for the entry of a wheelchair driver into a vehicle, in particular in a motor vehicle with a lowered floor pan, wherein a ramp flap in a first position is folded out of the vehicle, so that the entry of the wheelchair driver into the vehicle is possible, the ramp flap in a second position in the interior of the vehicle is so arranged that the wheelchair driver will be seated in the vehicle and the ramp flap in a third position on or above the vehicle floor is essentially horizontal., wherein for the change of the ramp flap from the first to the second position is provided at least one axis of rotation around which the ramp flap moves and wherein for the change of the ramp flap from the second to the third position at least another axis of rotation is provided, around which the ramp flap is moved, wherein a force memory is provided, which provides a Unterstuetzungskraft for the movement of the ramp flap from the second to the third position and for the movement from the third to the second position.

0) US2017182947A – CARGO CARRIER WITH CHASSIS ATTACHMENT SYSTEM

242) Family number: 66205893 (US2017182947A) © PatBase

Title:	CARGO CARRIER WITH CHASSIS ATTACHMENT SYSTEM
Priority:	US20150272610P 20151229 US20160394691 20161229

Family:

Publication number	Publication date	Application number	Application date
US2017182947 AA	20170629	US20160394691	20161229

Probable Assignee:	WILLIAMS MARTY
Assignee(s):(std)**:**	WILLIAMS MARTY
Inventor(s):(std)**:**	WILLIAMS MARTY
International class (IPC 8–9)**:**	B60R9/06 B60R9/10 (Advanced/Invention)
CPC:	B60R9/06 B60R9/10

Classification Explorer

Abstract:
Source: US2017182947A A configurable, easily assembled and disassembled cargo carrier having at least one floor member with at least one downward facing flanged edge, at least two side members where each side member has an outward facing flanged top edge and an inward facing flanged bottom edge, at least one corner brace to securedly connect one of the side members to another of the side members, thereby forming a corner of the cargo carrier, fasteners for securing the floor member to the side members and the corner braces to the side members, and a chassis attachment system for securing assembled cargo carrier to a chassis.

0) US2017215979A – ACCESSORY SUPPORT AND COUPLING SYSTEMS FOR AN A...

243) Family number: 66515162 (US2017215979A) © PatBase

Title: ACCESSORY SUPPORT AND COUPLING SYSTEMS FOR AN ACCESSORY SUPPORT

Priority: US20160290244P 20160202 US20160314561P 20160329 US20170422979 20170202

Family:

Publication number	Publication date	Application number	Application date
US2017215979 AA	20170803	US20170422979	20170202

Probable Assignee: STRYKER CORP

Assignee(s):(std)**:** STRYKER CORP

Inventor(s):(std)**:** BHIMAVARAPU KRISHNA S ; CHILDS WILLIAM D ; NEIHOUSER KIRBY M ; SADLER ZACHARY J ; SCHABERG ISAAC A ; ST JOHN CONNOR F ; TESSMER BRIAN J

International class (IPC 8–9)**:** A61B50/26 A61G12/00 A61G5/10 A61G7/05 A61M5/14 F16M11/04 F16M11/28 F16M11/42 H01R13/639 H01R13/641 (Advanced/Invention)

CPC: A61B50/26 A61G7/0503 A61G12/002 A61G5/10 F16M11/42 F16M11/28 F16M11/046 F16M11/041 A61M5/1415 H01R13/639 H01R13/641

Classification Explorer

Abstract:
Source: US2017215979A The present disclosure provides a coupling system for coupling a medical accessory to an accessory support is provided. The present disclosure also provides a system for powering a medical accessory with an accessory support.