Search history

Search 1: ft=watermeter and theft* and anchor* (Results 0)

Search 2: ft=(flow or water) and meter and theft* and anchor* (Results 5)

Search 3: ft=(contador or medidor) and agua and (robo or hurto) (Results 18)

Search 4: ft=(water or flow) and meter and lock* and anchor* (Results 316)

Search 5: ft=(water or flow) and meter and lock* and anchor* and house* (Results 70)

Search 6: ft=flow meter and lock* and theft* (Results 12)

Search 7: ft=(flow meter or water meter) and lock* and hinge (Results 81)

Search 8: ft=(flow meter* or water meter*) and lock* and theft (Results 52)

Search 9: ft=(flow meter* or water meter*) and (lock* or theft*) and anchor* (Results 101)

- session log created:24 March 2017 02:47:49
- Update information:

PatBase Coverage at Update 2017 Week 11 (Year 2017 Week 11)

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	20170315	19850910	20170315
	Patents	19930106	20170315	19930106	20170315
	Utility Model Applications	19850409	19921230	19850409	19921230
	Utility Models	19930106	20170315	19930106	20170315
	Designs	19850910	20170315	19850910	20150819
DE Germany	Patent Applications	19211221	20170316	19650317	20170316
	Patents	18770101	20170316	19200113	20170316
	Utility Models	19280626	20170316	19610831	20170316
	EP/WO Patents	19871217	20140410		
EP European Patent Office	Patent Applications	19781220	20170315	19781220	20170315
	Patents	19800109	20170315	19800109	20170315
FR France	Patent Applications	19690307	20170317	19810102	20170217
	Patents	18550227	20170317	19600502	20170317
	Utility Model Applications	19720107	20170317	19800104	20170217
		19730112	20170317	19690802	20170317

	Utility Models				
GB United Kingdom	Unpublished Patent Applications	19830209	20170118		
	Patent Applications	19790104	20170315	19790104	20170301
	Patents	17820704	20170315	19020911	19811216
JP Japan	Patent Applications	19710116	20170316	19930108	20170309
	Patents	19281026	20170301	19960529	20170301
	Utility Model Applications	19710723	20060209	19990817	20031107
	Utility Models	19640805	19960329		
	Registered Utility Models	19940726	20170302	19940726	20101216
KR Republic of Korea	Patent Applications	19781209	20170317	19940103	20170317
	Patents	19700820	20170317	19970104	20170317
	Utility Model Applications	19781127	20170317	19940730	20170317
	Utility Models	19780110	20170317	19970104	20170317
US United States of America	Patent Applications	20010315	20170316	20010315	20170316
	Patents	18360101	20170314	18560617	20170314
	Designs	18650912	20170314	19770719	20170314
WO World Intellectual Property Organization (WIPO)	Patent Applications	19781019	20170316	19781019	20170316
	Designs	20151127	20170317	20151127	20170317

20170318 21:00

- Login to Patbase:24 March 2017 02:47:49
- **search:** SS1 ft=watermeter and theft* and anchor* (Results 0)
- **search:** SS2 ft=(flow or water) and meter and theft* and anchor* (Results 5)
- List: SS2 1–50 (ft=(flow or water) and meter and theft* and anchor*) (Results 5)

0) US4342278A – MINIATURE INFLATABLE CONTAINMENT AND DRY–WATER–...

1) Family number: 2889204 (US4342278A) © PatBase

Title: Miniature inflatable containment and dry–water–entry vessels

Priority: US19800197321 19801015

Family:

Publication number	Publication date	Application number	Application date
EP0063138 A1	19821027	EP19810902915	19811015
EP0063138 A4	19840109	EP19810902915	19811015
JP57501572 T2	19820902	JP19810503468T	19811015
US4342278 A	19820803	US19800197321	19801015
WO8201358 A1	19820429	WO1981US01390	19811015

Probable Assignee: HORAN JOHN J

Assignee(s):(std)**:** HORAN JOHN J

Inventor(s):(std)**:** HORAN JOHN J

Designated states: AT CH DE FR GB JP LU NL SE

International class (IPC 8–9)**:** B63B7/08 B63C9/02 B63C9/08 (Advanced/Invention); B63B7/00 B63C9/00 (Core/Invention)

International class (IPC 1–7)**:** B63B7/08 B63C9/02 B63C9/08 B63C9/12

CPC: B63B7/08 B63C9/02 B63C9/065 B63C2009/042

European class: B63B7/08 B63C9/02 L63C9/04B L63C9/06A

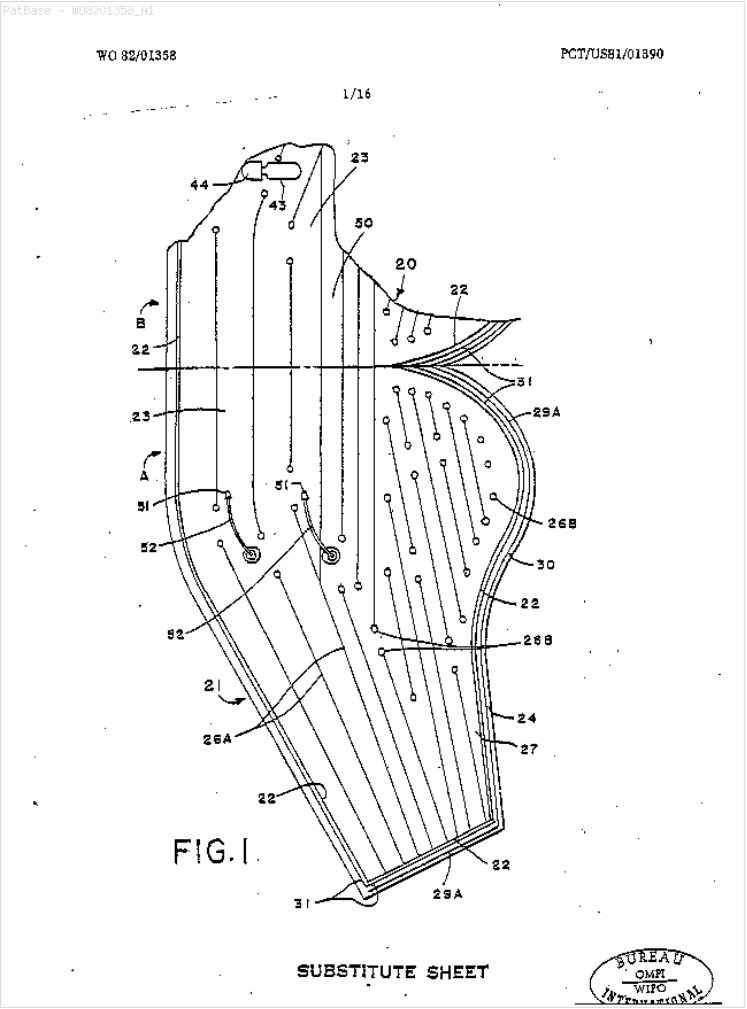
US class: 114/345 114/349 441/102 441/87

Classification Explorer

Cited documents: US704000 A, US616439 A, US4187570 A, US4090270 A, US3768467 A, US3259926 A, US2962732 A, US2399494 A, US2327169 A, US2327168 A, US1401677 A, US1284968 A, IT607106 A, FR1238922 A,

Forward Citations: WO08024474, WO07117266, WO02076258, US9567005, US9510713, US9446826, US9266054, US8839891, US8821619, US8685153, US8672065, US8550192, US8413655, US7980001, US7726426, US7269883, US7069670, US6345618, US2016051097, US2015284059, US2012252290, US2011206572, US2009249941, US2009033045, US2007084664, US2007080001, US2007040341, US2004232632,

Abstract:
Source: US4342278A The miniboats introduced in my U.S. Pat. 4,090,270 were basically novel in configuration, method of construction, ease of boarding by a swimmer, flotation effectiveness relative to lightness and compactness when stowed, degree of hypothermia protection achieved, and security in wind and water far beyond the capabilities of comparable pneumatic craft of traditional design; but they were not well adapted for entry by persons desiring to board them without a wetting. The vessels disclosed herein have overcome that problem. They have structurally integrated decks with dry−access openings that provide twice the retained buoyancy, a barrier to wave influx over the gunwales, an inherent self−righting capability, unprecedented storm security, ride stability, and magnified hypothermia protection. Some have integral leg articulation and propulsion and/or vessel−integrated suspension system for retarding descent to water from high elevations, auxiliary propulsion provisions, etc. Models sharing design characteristics of these life−support craft are highly adapted for expansion of seasonal, latitude, and ambulatory opportunity for scientific work and for recreation. Their diminutive weight and bulk enable transport to shores and banks that become inaccessible when carrying watercraft of greater weight and bulk and lesser portageability, seaworthiness, and wide−spectrum protective capability.



0) BE1013125A – SYSTEM ALTERNATELY APPLYING THE FORCE OF GRAVIT...

2) Family number: 15949940 (BE1013125A) © PatBase

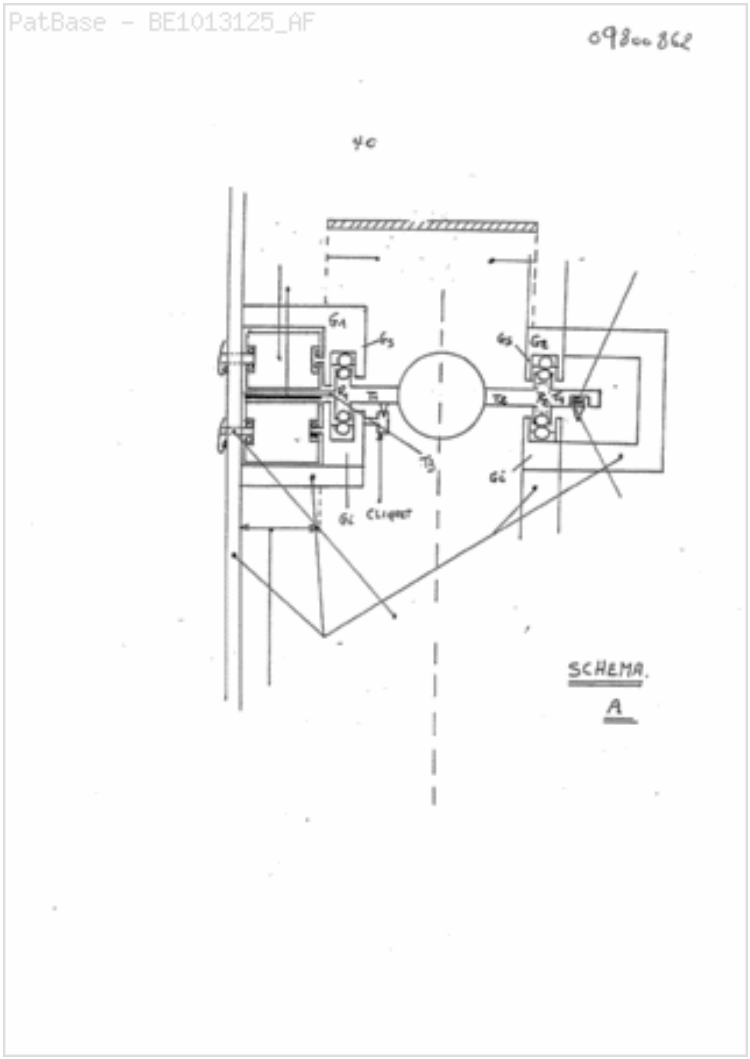
Title:	SYSTEM ALTERNATELY APPLYING THE FORCE OF GRAVITY AND THEN THE ARCHIMEDESPRINCIPLE TO A FLOATING OBJECT TO PRODUCE QUASI–PERPETUAL MOTION ANDTHEREFORE ENERGY
Priority:	BE19980000862 19981126

Family:

Publication number	Publication date	Application number	Application date
BE1013125 AF	20011002	BE19980000862	19981126

Probable Assignee:	OSTROWSKI REAL
Assignee(s):(std)	OSTROWSKI REAL
International class (IPC 8–9)	F03B17/04 (Advanced/Invention); F03B17/00 (Core/Invention)
International class (IPC 1–7)	F03B17/04
CPC:	F03B17/04
European class:	F03B17/04 Y02E10/20
Classification Explorer	
Cited documents:	FR877207 A, FR2567201 A1, FR2445899 A1,
Forward Citations:	ITTO20080935,

Abstract:
A system alternately causing the circulation from an air environment to aliquid column of one or more bodies of mass "M" and of the smallest possibleweight per unit volume (making them floating) so that they may be subjectfirstly to the force of gravity then to an upthrust equal to the volume ofliquid displaced (Archimedes principle), bringing them back to the startpoint. This quasi−spontaneous and perpetual motion generates a resultingforce transmitted by any means to generators and intended to produceelectrical power. Use of two non−polluting and immutable natural forces so asto produce energy.



0) BE1012160A – SYSTEM ALTERNATELY APPLYING THE FORCE OF GRAVIT...

3) Family number: 11633304 (BE1012160A)

© PatBase

Title: SYSTEM ALTERNATELY APPLYING THE FORCE OF GRAVITY AND THEN ARCHIMEDES PRINCIPLE TO A FLOATING OBJECT, FOR THE PURPOSE OF PRODUCING QUASI–PERPETUAL MOTION, AND THEREFORE ENERGY

Priority: BE19980000640 19980831

Family:

Publication number	Publication date	Application number	Application date
BE1012160 AH	20000606	BE19980000640	19980831

Probable Assignee: OSTROWSKI REAL

Assignee(s):(std)**:** OSTROWSKI REAL

International class (IPC 8–9): F03B17/04 (Advanced/Invention); F03B17/00 (Core/Invention)

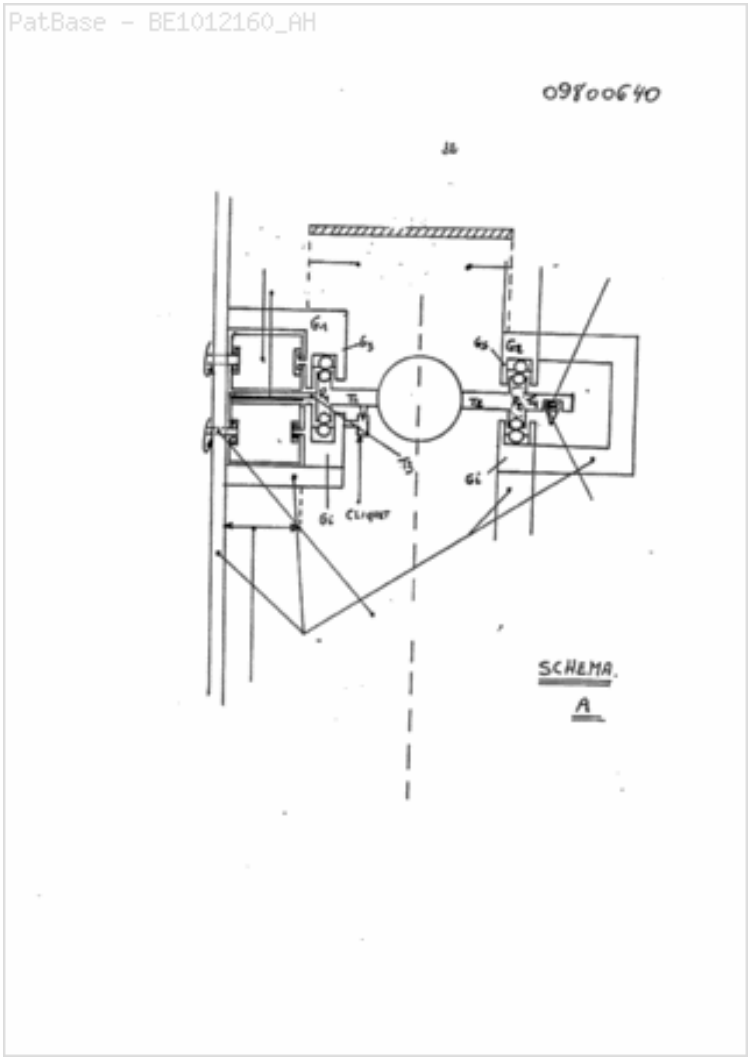
International class (IPC 1–7): F03B17/04

CPC: F03B17/04

European class: F03B17/04 Y02E10/20

Classification Explorer

Abstract:
System moving alternately from an air medium to a liquid column one or more bodies of mass "M" and of the smallest possible volumic weight (making them floating) so that they are there subject to, firstly the force of gravity, then an upward thrust equal to the volume of liquid displaced (Archimedes principle), bringing them back to their starting point. This quasi–spontaneous and perpetual motion generates a resulting force transmitted by any means to generators and intended to produce electrical energy. Use of two natural non–polluting and immutable forces, in order to produce energy.



0) EP0270988A1 – POST, ESPECIALLY FOR PARKING METERS. TRAEGER, ...

4) Family number: 6574306 (EP0270988A1) © PatBase

Title: POST, ESPECIALLY FOR PARKING METERS.

Priority: DE19863642084 19861210

Family:

Publication number	Publication date	Application number	Application date
DE3642084 A1	19880623	DE19863642084	19861210
EP0270988 A1	19880615	EP19870117796	19871202

Probable Assignee: HOECKLE EBERHARD GMBH

Assignee(s):(std)**:** HOECKLE EBERHARD GMBH

Assignee(s): EBERHARD HOECKLE GMBH

Inventor(s):(std)**:** HOECKLE EBERHARD

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

International class (IPC 8–9)**:** E01F13/02 E01F9/011 E04H12/22 (Advanced/Invention); E01F13/00 E01F9/011 E04H12/22 (Core/Invention)

International class (IPC 1–7)**:** E01F9/01 E04H12/22 G07F17/24

CPC: E01F9/685 E04H12/2269 E01F13/026

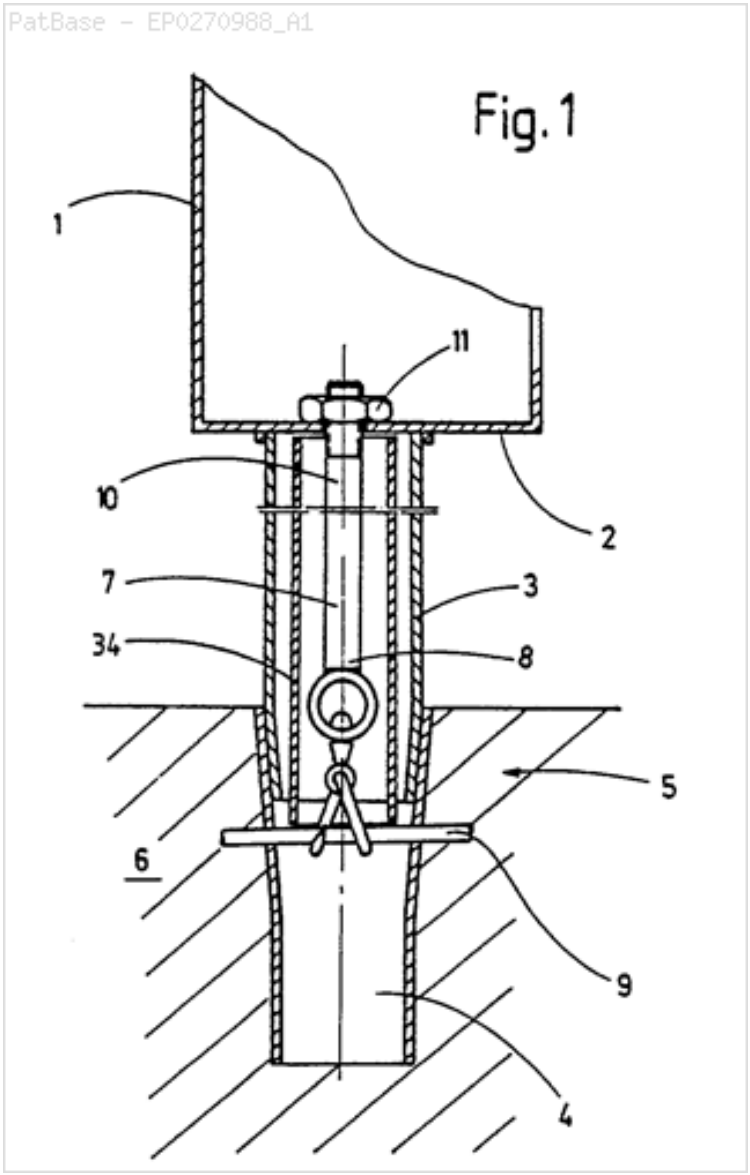
European class: E01F13/02C2 E01F9/011F6 E04H12/22C2

Classification Explorer

Cited documents: US4565466 A, GB606546 A, FR2064701 A5, DE8633079 U, DE7716515 U, DE7323500 U, DE597543 A, DE3307759 A1, DE2436375 A1, DE2418113 A1, DE1998641 U, CH475430 A, CH472562 A, CH273893 A,

Forward Citations: WO9636769,

Abstract:
For fixing the parking meter (1), there is a retaining bar (7) which passes through the post (3) and is suspended on the seat (5) of the post (3) and which fixes the parking meter (1) by its upper end (10) to the post (3). This support can easily be mounted since only a single connection at the upper end (10) of the retaining bar (7) has to be made. Furthermore, the retaining bar (7) forms a safeguard against the theft of the parking meter (1).



0) US3311100A – TEMPERATURE COMPENSATED FUEL INJECTION PUMP

5) Family number: 30016165 (US3311100A) © PatBase

Title: TEMPERATURE COMPENSATED FUEL INJECTION PUMP

Priority: US19640411999 19641118

Family:

Publication number	Publication date	Application number	Application date
DE1964514 U	19670720	DE1965J014440U	19651117
GB1105722 A	19680313	GB19650033530	19650805
SE319343 B	19700112	SE19650014920	19651118
US3311100 A	19670328	US19640411999	19641118

Probable Assignee: INT HARVESTER CO

Assignee(s):(std)**:** INT HARVESTER CO

Assignee(s): INTERNATIONAL HARVESTER COMPANY

Inventor(s):(std)**:** MADDALOZZO R ; MADDALOZZO RAYMOND J

International class(IPC 8–9)**:** F02D1/04 F02D1/10 F02M41/14 F02M59/44 (Advanced/Invention); F02D1/04 F02D1/08 F02M41/08 F02M59/00 (Core/Invention)

International class(IPC 1–7)**:** F02D1/02 F02D1/08 F02D1/10

CPC: F02D1/045 F02D1/10 F02M41/1411 F02M59/447

European class: F02D1/04B F02D1/10 F02M41/14B2 F02M59/44D

US class: 123/365 417/282 417/292 417/294

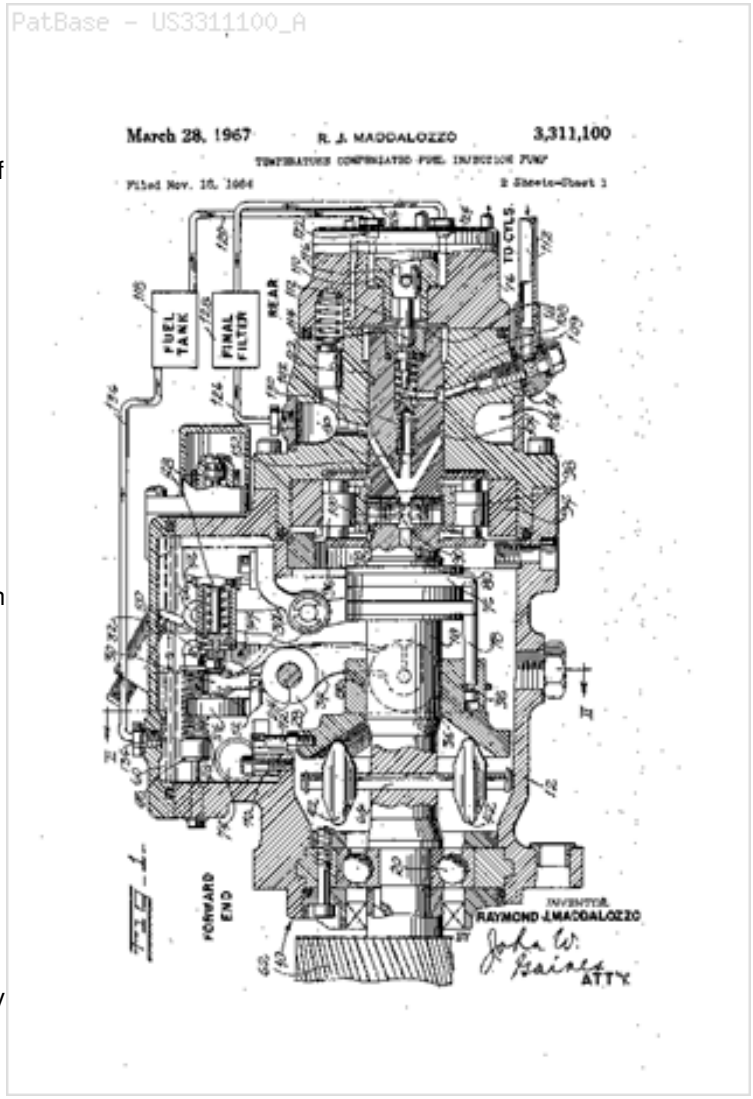
Classification Explorer

Cited documents: US3096716 A, US2965087 A, US2895465 A, US2836162 A, US2790432 A,

Forward Citations: US5513965, US4222713, US3824975, US3650259, US3485225, US3390639, EP0684379, DE2757404,

Abstract:
Source: GB1105722A 1,105,722. Centrifugal governors. INTERNATIONAL HARVESTER CO. Aug. 5, 1965 [Nov. 18, 1964], No. 33530/65. Heading G3B. [Also in Division F1] In an I. C. engine fuel injection system (see Division F1), in which the maximum duration of fuel injection is determined by the abutment of a screw 52, Fig. 1, and a stop 50, the movement of the screw 52 towards and away from the stop 90 is determined in accordance with variations in engine speed and fuel temperature. With increasing speed roller flyweights 42 of the governor move outwardly causing sleeve 76 to move rightwardly. This motion is transmitted through roller 36 and pivoted arm 34 until the head of screw 52 engages a spring–loaded plunger 50 at the predetermined load position. Further movement may continue to an overload position determined by the setting of a stop screw 48. A bi–metallic spring 56, immersed in the fuel, is anchored at its outer end to arm 30 and at its inner end to screw 52. An increase in fuel temperature causes to the coil to rotate screw 52 so as to reduce gap "G" and vice versa thus controlling the maximum period of fuel injection by limiting the movement of sleeve 38. Movement of a pivoted control arm (26), Fig. 2 (not shown) acts through shaft 24, a cam (not shown) a pivoted control arm 66 and a tensioned yoke connection (not shown) between arm 66 and spring seat 68 to adjust the force applied by spring 40 to the governor arm 28. The timing of fuel injection may be controlled by an automatic device 74 (not described) which acts through a timing plate 70 on a stud 72 fixed to the governor sleeve 38. In a modification bolt member 52, Fig. 3 may be carried by fixed part 48 and operatively engages part 30.

PatBase - US3311100_A



- **search:** SS3 ft=(contador or medidor) and agua and (robo or hurto) (Results 18)
- List: SS3 1–50 (ft=(contador or medidor) and agua and (robo or hurto)) (Results 18)

0) US2011215945A – SYSTEM AND METHOD FOR MONITORING RESOURCES IN A...

1) Family number: 48577838 (US2011215945A) © PatBase

Title: SYSTEM AND METHOD FOR MONITORING RESOURCES IN A WATER UTILITY NETWORK

Priority: GB20110003783 20110304 GB20130001484 20110304 US20100717944 20100304 US20110040435 20110304 WO2011IB00448 20110303

Family:

Publication number	Publication date	Application number	Application date
AR080458 AA	20120411	AR2011P100683	20110303
AU2011200949 BA	20110609	AU20110200949	20110303
BRPI1101199 A2	20121016	BR2011PI01199	20110303
CA2792029 AA	20110909	CA20112792029	20110303
CL2011000466 A1	20120713	CL20110000466	20110303
CN102884407 A	20130116	CN201180022619	20110303
CN102884407 B	20150225	CN201180022619	20110303
CO6630098 A2	20130301	CO20120174757	20121004
EP2472467 A1	20120704	EP20110157053	20110304
ES2420865 T1	20130827	ES20110157053T	20110304
FR2957097 A1	20110909	FR20110000640	20110303
GB201103783 A0	20110420	GB20110003783	20110304
GB201301484 A0	20130313	GB20130001484	20110304
GB201317396 A0	20131113	GB20130017396	20110304
GB2478432 A1	20110907	GB20110003783	20110304
GB2478432 B2	20140514	GB20110003783	20110304
GB2499113 A1	20130807	GB20130001484	20110304
GB2499113 B2	20140514	GB20130001484	20110304
GB2507184 A1	20140423	GB20130017396	20110304
GB2507184 B2	20140813	GB20130017396	20110304
HK1158305 A1	20141114	HK20110112793	20111125
HK1158305 A3	20120713	HK20110112793	20111125
IE20110098 A1	20110914	IE20110000098	20110303
IE20120498 A1	20130116	IE20120000498	20110303
IE86150 B	20130313	IE20110000098	20110303
IE86368 B	20140326	IE20120000498	20110303
IN00620CH2011 A	20120330	IN2011CH00620	20110302
JP2013521558 T2	20130610	JP20120555509T	20110303
KR20140145637 A	20141224	KR20127025695	20110303
MX2012010254 A1	20130207	MX20120010254	20110303
PH2011000083 A	20140804	PH20110000083	20110304
RU2012142174 A	20140410	RU20120142174	20110303
SG173992 A1	20110929	SG20110015963	20110304
SG193853 A1	20131030	SG20130066709	20110304
TH127076 A	20130911	TH20121004484	20110303
TW201140267 A	20111116	TW20110107228	20110303
TW201303785 A	20130116	TW20120128134	20110303
TWI391803 B	20130401	TW20110107228	20110303
TWI502299 B	20151001	TW20120128134	20110303
US2011215945 AA	20110908	US20110040435	20110304
US7920983 BA	20110405	US20100717944	20100304

US9568392 BB	20170214	US20110040435	20110304	
WO11107864 A2	20110909	WO2011IB00448	20110303	
WO11107864 A3	20111117	WO2011IB00448	20110303	
ZA201207123 A	20140326	ZA20120007123	20120921	

Probable Assignee: TAKADU LTD

Assignee(s):(std)**:** ARMON AMITAI ; ARMON AMITAL ; BARKAY URI ; GUNTER SHAI ; TAKADU LTD ; TAKUDU LTD ; SCOLNICOV HAGGAI ; PELEG AMIR ; GUTNER SHAI

Assignee(s): TAKADU LIMITED

Inventor(s):(std)**:** HAGGAI SCOLNICOV ; AMITAI ARMON ; AMIR PELEG ; SCOLNICOV HAGGAI ; PELEG AMIR ; GUTNER SHAI ; GUNTER SHAI ; BARKAY URI ; ARMON AMITAL ; ARMON AMITAI ; URI BARKAY ; SHAI GUTNER ; SCOLNICOV HAGGAU ; ARMN AMITAI

Inventor(s): SHAI GUNTER ; AMITAL ARMON ; HAGGAU SCOLNICOV

Agent(s): SPRUSON AND FERGUSON; NORTON ROSE CANADA SENCRL SRL LLP; VILLASECA; CARLOS R OLARTE GARCIA; PELLY JASON CHARLES; UNGRIA JAVIER; SANTARELLI; NISHIJIMA TAKAKI; OHTSUKA FUMIAKI; KOSHISHIBA ERI; KUMAKURA YOSHIO; SUDA HIROYUKI; UESUGI HIROSHI; HECHANOVA AND CO INC; ELLA CHEONG SPRUSON AND FERGUSON SINGAPORE PTE LTD; SPRUSON AND FERGUSON ASIA PTE LTD; OSTROW KAUFMAN LLP; SETH H; MEISTER SEELIG AND FEIN 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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

International class (IPC 8–9): E03B7/02 E03B7/07 F17C5/02 F17D5/02 G01D4/00 G01D4/02 G01F1/00 G01F1/34 G01F1/50 G01F15/00 G01L7/00 G01M3/28 G01V3/00 G05B23/00 G05B24/04 G05D7/00 G06F15/16 G06F19/00 G06Q10/00 G06Q10/06 G06Q50/00 G06Q50/06 G08C15/06 G08C17/00 (Advanced/Invention);
G01F1/00 G01L7/00 G06Q50/00 G08C17/00 (Core/Invention);
G01F1/34 G05B23/00 G05B24/04 G06F15/16 (Core/Non–invention);
F17D G01D G01L G01M G01V G06Q (Subclass/Invention)

International class (IPC 1–7): G06F19/00

CPC: F17D5/02 G01D4/004 G01D4/02 G01M3/28 G01D4/00 F17C5/02 G01M3/2807 G06Q10/06 G06Q50/06 Y04S20/36 Y10T137/0318

European class: G01M3/28A G06Q10/06 G06Q50/06 Y04S20/30

US class: 137/1 340/605 340/870.02 340/870.020P 702/100 702/50 702/51 73/40 73/40.50R 73/40.5R

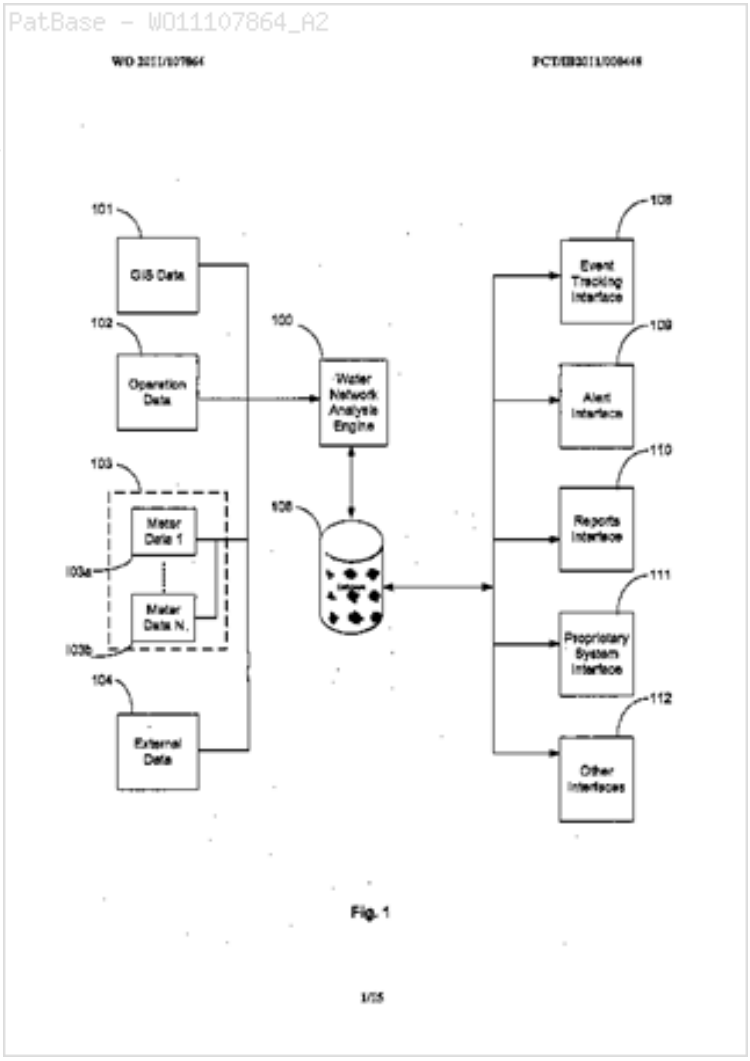
Classification Explorer

Cited documents: WO10035281 A1, WO09055342 A1, WO08094551 A2, WO08067442 A2, WO08029681 A1, WO08016697 A2, WO07002838 A2, WO05094493 A2, WO04113863 A1, WO0245315 A2, WO02086670 A2, WO0195227 A2, WO0194937 A1, WO0020832 A1, US7920983 BA, US7880641 BB, US7793188 BB, US7739004 BB, US7720615 BB, US7698073 BB, US7680611 BB, US7670494 BB, US7669461 BB, US7647136 BB, US7587481 BA, US7558771 BB, US7558703 BB, US7536371 BB, US7529644 BB, US7526944 BB, US7523016 BA, US7504964 BB, US7437267 BB, US7424399 BB, US7412876 BB, US7330796 BB, US7310590 BA, US7283913 BB, US7263459 BB, US7233876 BB, US7233843 BB, US7228726 BB, US7228726, US7135956 BB, US7119698 BB, US6995846 BB, US6995846, US6993403 BA, US6985831 BB, US6985779 BB, US6970808 BB, US6963808 BA, US6862540 BA, US6862540, US6845336 BB, US6845336, US6691724 BB, US6687637 BB, US6687637, US6526358 BA, US6477434 BA, US6444172 BB, US6398930 BB, US6336131 BA, US6290908 BA, US6147613 A, US6109096 A, US6088417 A, US6076048 A, US6067477 A, US5883815 A, US5756880 A, US5708195 A, US5546789 A, US5315529 A, US5301538 A, US4797621 A, US4796466 A, US4712182 A, US4407158 A, US4361030 A, US2013332090 AA, US2011095903 AA, US2010169477 AA, US2010156665 AA, US2010071061 AA, US2009299660 AA, US2008250497 AA, US2008168339 AA, US2008150750 AA, US2008109175 AA, US2007288200 AA, US2007247331 AA, US2007233397 AA, US2007219728 AA, US2007203860 AA, US2007016399 AA,

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Abstract:
Source: US2011215945A A computerized method for monitoring a water utility network, the water utility network comprising a network of pipes for delivering water to consumers and a plurality of meters positioned within the pipes across the water distribution network. The method includes receiving meter data representing parameters measured by the meters, such as flow, pressure, chlorine level, pH and turbidity of the water being distributed through the pipes. The method also includes receiving secondary data from sources external to the meters and representing conditions affecting consumption of water in a region serviced by the water utility network such as weather and holidays. The meter and secondary data is analyzed using statistical techniques to identify water network events including leakage events and other events regarding quantity and quality of water flowing through the pipes and operation of the water network. The events are reported to users via a user interface.



0) US2002072529A – ARYLSULFONAMIDES AND ANALOGUES

2) Family number: 30048390 (US2002072529A) © PatBase

Title: Arylsulfonamides and analogues

Priority:
CA19982281929 19980210 CA19982470183 19980210 EP19980909427 19980210
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US20010878392 20010611 US19990367456 19991115 US20010781975 20010214
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Family:

Publication number	Publication date	Application number	Application date
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ZA9801419 A	19980824	ZA19980001419	19980220	

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JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AND FI ; MAXTOR CORP

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; REINHOLD COHN AND PARTNERS

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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A61P (Subclass/Non–invention)

International class (IPC 1–7): A61K31/075 A61K31/10 A61K31/12 A61K31/13 A61K31/16 A61K31/167 A61K31/18 A61K31/21 A61K31/275 A61K31/33 A61K31/335 A61K31/341 A61K31/38 A61K31/395 A61K31/40 A61K31/4035 A61K31/425 A61K31/44 A61K31/47 A61K31/4709 A61K31/472 A61K31/495 A61K31/505 A61K31/535 A61K31/5375 A61K31/54 A61K31/63 A61K31/655 A61K31/66 A61K31/85 A61P1/08 A61P1/14 A61P11/06 A61P19/02 A61P25/00 A61P25/04 A61P25/08 A61P25/14 A61P25/20 A61P25/28 A61P27/06 A61P29/00 A61P3/04 A61P37/06 A61P43/00 A61P9/10 C07C C07C205/35 C07C211/54 C07C217/04 C07C217/90 C07C225/22 C07C229/54 C07C233/16 C07C233/25 C07C233/34 C07C233/57 C07C233/60 C07C235/16 C07C235/44 C07C237/28 C07C237/40 C07C247/02 C07C247/14 C07C255/11 C07C255/24 C07C255/45 C07C307/02 C07C307/10 C07C309/63 C07C309/65 C07C309/66 C07C309/67 C07C309/74 C07C309/80 C07C309/82 C07C311/00 C07C311/01 C07C311/02 C07C311/08 C07C311/09 C07C311/10 C07C311/12 C07C311/13 C07C311/14 C07C311/21 C07C311/24 C07C311/32 C07C311/35 C07C311/48 C07C311/50 C07C313/06 C07C317/04 C07C317/14 C07C317/16 C07C317/18 C07C317/26 C07C323/10 C07C323/23 C07C43/275 C07C49/517 C07C65/21 C07C69/92 C07D209/44 C07D209/48 C07D213/32 C07D213/61 C07D213/76 C07D215/20 C07D215/26 C07D217/00 C07D217/02 C07D217/04 C07D227/04 C07D237/10 C07D239/47 C07D265/30 C07D275/02 C07D295/08 C07D295/16 C07D307/56 C07D307/68 C07D333/26 C07D401/02 C07D401/04 C07D401/12 C07D417/04 C07D521/00 C07F9/24 C07F9/44 G11B5/62 H01F10/26 H01F10/30

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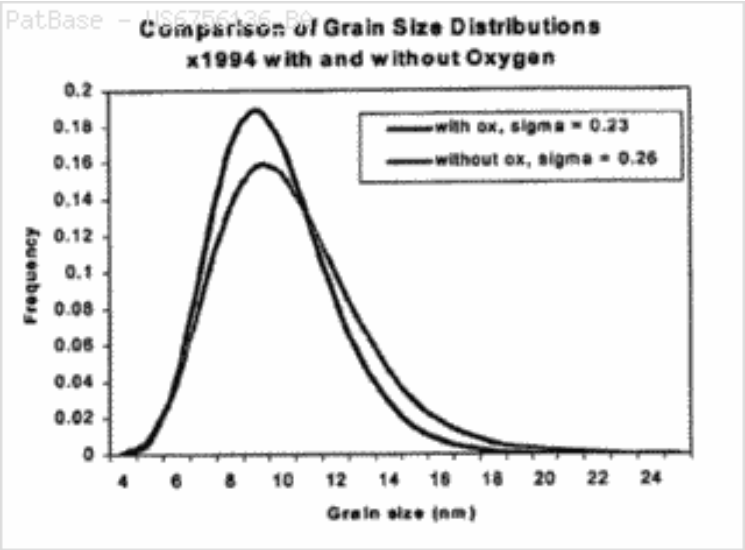
Classification Explorer

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Forward Citations: WO16030534, WO14197720, WO14151200, WO14022528, WO13140347, WO13138352, WO13059222, WO12116145, WO11106273, WO10075069, WO10075068, WO10051236, WO10051206, WO10047982, WO10013595, WO09154132, WO09119726, WO09110510, WO09076618, WO08120653, WO08098025, WO08060476, WO08038692, WO07055418, WO07049798, WO07041052, WO07029847, WO07024004, WO07018248, WO06129826, WO06093253, WO06051704, WO05090298, WO05066126, WO05028438, WO05023242, WO04014825, WO04002986, WO03084506, WO03061699, WO0226702, WO02062750, WO0174763, WO0010968, WO0010968, WO0010968, WO0010967, WO0006083, WO0006083, US9585867, US9422289, US9422242, US9382252, US9315454, US9216967, US8865744, US8846936, US8829034, US8735430, US8697875,

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Abstract:
Source: US2002072529A The present invention relates to new aryl ether sulphonamides and analogues, processes for their preparation and their use for the treatment of neurodegenerative disorders, in particular for the prophylaxis and treatment of neurodegenerative disorders, in particular for the treatment of cerebral apoplexy and craniocerebral trauma.



0) US2014074670A – METHODS AND SYSTEMS FOR ESTIMATING RECOVERABLE ...

3) Family number: 55980114 (US2014074670A) © PatBase

Title: METHODS AND SYSTEMS FOR ESTIMATING RECOVERABLE UTILITY REVENUE

Priority: US20120612758 20120912 US20140315177 20140625 WO2013US59338 20130912

Family:

Publication number	Publication date	Application number	Application date
AU2013315519 AA	20140320	AU20130315519	20130912
CA2884609 AA	20150312	CA20132884609	20130912
IN01788CN2015 A	20160701	IN2015CN01788	20150327
JP2015529926 T2	20151008	JP20150532028T	20130912
KR20150056583 A	20150526	KR20157009065	20130912
MX2015003272 A1	20151116	MX20150003272	20130912
US2014074670 AA	20140313	US20120612758	20120912
US2014310138 AA	20141016	US20140315177	20140625
US8768795 BB	20140701	US20120612758	20120912
WO14043287 A2	20140320	WO2013US59338	20130912
WO14043287 A3	20150326	WO2013US59338	20130912

Probable Assignee: GEN ELECTRIC

Assignee(s):(std)**:** DAM QUANG BINH ; GARRITY JONATHAN TOMPKINS ; GEN ELECTRIC ; NIGAM ATUL ; LEWKOVICH ROBERT MICHAEL

Assignee(s): GENERAL ELECTRIC CO

Inventor(s):(std)**:** DAM QUANG BINH ; GARRITY JONATHAN TOMPKINS ; LEWKOVICH ROBERT MICHAEL ; NIGAM ATUL

Agent(s): PHILLIPS ORMONDE FITZPATRICK; CRAIG WILSON AND CO; FLETCHER YODER PC; DIMAURO PETER 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 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): G01D4/00 G01R22/00 G06Q10/04 G06Q10/06 G06Q30/06 G06Q40/00 G06Q50/06 G06Q50/10 G06Q50/26 H02J3/00 (Advanced/Invention)

CPC: G06Q10/04 G06Q10/063 G06Q40/12 G06Q50/06

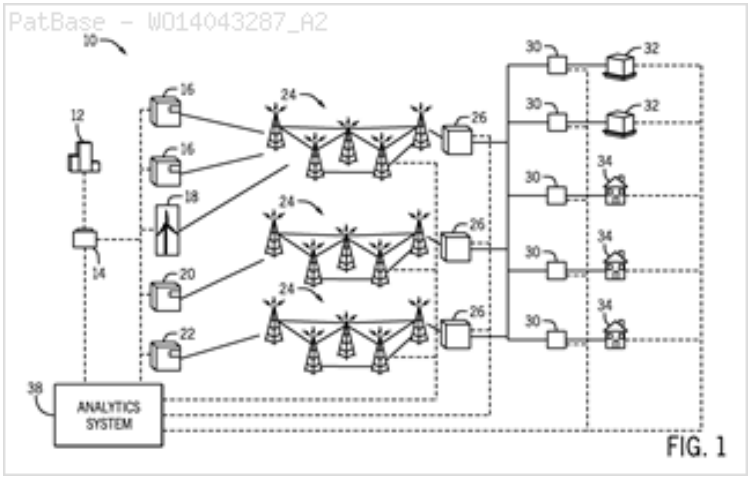
US class: 705/30 705/412

Classification Explorer

Cited documents: US7986246 BB, US7402993 BB, US6990395 BB, US2013173807 AA, US2012131100 AA, US2012062210 AA, US2009045976 AA, US2008109387 AA, US2007247331 AA, US2007200553 AA, US2007156557 AA, GB2312963 A1, GB2302952 A1,

Forward Citations: WO16049369, US9429448, US2014300488, US2014095415, CN104375000,

Abstract:
Source: US2014074670A A system includes a utility analytics system. The utility analytics system includes a non−technical utility loss system configured to derive a probability of at least one utility non−technical loss, an unbilled utility system configured to calculate an expected unbilled utility service for a customer based on customer attributes and the probability of the at least one utility non−technical loss, and a revenue recoverability system configured to calculate an expected recoverable revenue based on probability of revenue recovery and of the expected unbilled utility service.



0) WO10041917A1 – AUTONOMOUS WATER SUPPLY CONTROLLER REGULATEUR ...

4) Family number: 44896086 (WO10041917A1)

© PatBase

Title: AUTONOMOUS WATER SUPPLY CONTROLLER

Priority: WO2008MX00134 20081008

Family:

Publication number	Publication date	Application number	Application date
WO10041917 A1	20100415	WO2008MX00134	20081008

Probable Assignee: NORIEGA MANZANARES FLAVIO

Assignee(s):(std)**:** NORIEGA MANZANARES FLAVIO

Inventor(s):(std)**:** NORIEGA MANZANARES FLAVIO

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): G01F1/075 G01F15/00 (Advanced/Invention); G01F1/05 G01F15/00 (Core/Invention)

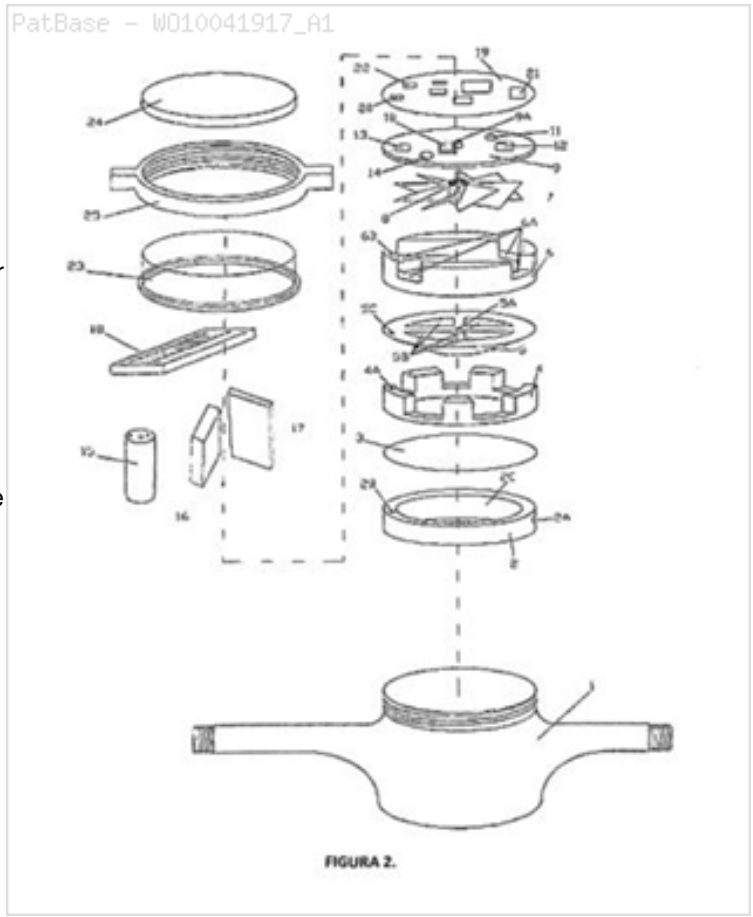
CPC: G01F1/075 G01F15/007

European class: G01F1/075 G01F15/00K

Classification Explorer

Cited documents: US2008150750, JP2005292096, GB922365, FR2847339, EP0990877,

Abstract:
An autonomous water supply controller which comprises an electronic circuit, a flowmeter which measures minimum liquid flows, a magnet and a magnetic sensor for measuring the current flow. It also comprises a hydraulic electrovalve and a turbidity sensor allowing detection of the impurity levels in the water. It also comprises an air sensor which prevents the controller from measuring when air flows therethrough. In addition there is a theft sensor which emits a locating radio signal when changes in the position of the controller are detected. Likewise there is a pressure sensor which includes a barometric pressure sensor enclosed inside a cavity in the lid of the mechanical section, said sensor, upon detecting an increase in pressure inside this cavity, sending this information to the microcontroller, which determines the pressure of the water flowing through the controller. All the parts mentioned are contained in a compact unit with dimensions similar to those of the water meters commonly available in the market, thereby reducing the costs of installing the controller in the location where the meter to be replaced is situated.



0) EP0595284A2 – METHOD OF DATA TRANSMISSION FOR TELEMETRY AND T...

5) Family number: 9626349 (EP0595284A2) © PatBase

Title: METHOD OF DATA TRANSMISSION FOR TELEMETRY AND TELECONTROLS VIA RADIO.

Priority: IT1992TO00864 19921027

Family:

Publication number	Publication date	Application number	Application date
AT219269 E	20020615	AT19930117386T	19931027
DE69332012 D1	20020718	DE19936032012	19931027
DE69332012 T2	20030306	DE19936032012T	19931027
EP0595284 A2	19940504	EP19930117386	19931027
EP0595284 A3	19950315	EP19930117386	19931027
EP0595284 B1	20020612	EP19930117386	19931027
ES2179827 T3	20030201	ES19930117386T	19931027
IT1257166 B	19960105	IT1992TO00864	19921027
ITTO920864 A0	19921027	IT1992TO00864	19921027
ITTO920864 A1	19940428	IT1992TO00864	19921027

Probable Assignee: IL GAS S P A SOC IT

Assignee(s):(std)**:** IL GAS P A SOC IT ; IL GAS PER AZ IONI SOC IT ; IL GAS S P A SOC IT ; IT PER IL GAS P A SOC

Assignee(s): PER IL GAS S P A SOC IT ; PER IL GAS SOC IT SPA ; SOCIETA ITALIANA PER IL GAS P A ; SOCIETA ITALIANA PER IL GAS P A TURIN TORINO ; SOCIETA ITALIANA PER IL GAS PER AZ IONI ; SOCIETA ITALIANA PER IL GAS S P A

Inventor(s):(std)**:** MUSSINO FRANCO ; ROCCATO MARCO

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

International class (IPC 8–9)**:** H04M11/00 H04Q9/00 (Advanced/Invention); H04M11/00 H04Q9/00 (Core/Invention); G08C (Subclass/Invention)

International class (IPC 1–7)**:** G08C G08C25/4 H02J13/0 H04Q9/0

CPC: H04M11/00 H04Q9/00

European class: H04M11/00 H04Q9/00

Classification Explorer

Cited documents: US3973240 A, FR2660511 A1, EP0425330 A1, EP0197835 A1,

Forward Citations: WO14001986, NL1010981, ES2197007, EP2421783,

Abstract:
Source: EP0595284A2 The present invention refers to a method of data transmission for telemetry, applicable with distribution systems, in particular of gas, water, electric energy, heat, that provides a central station and a plurality of peripheral stations connected with said central station; the main characteristic of the invention consists in that a plurality of intermediate fixed stations are provided, each connected in a permanent manner with the central station and, via radio, with a plurality of peripheral stations.

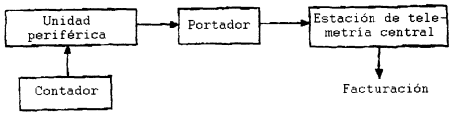


FIG. 1

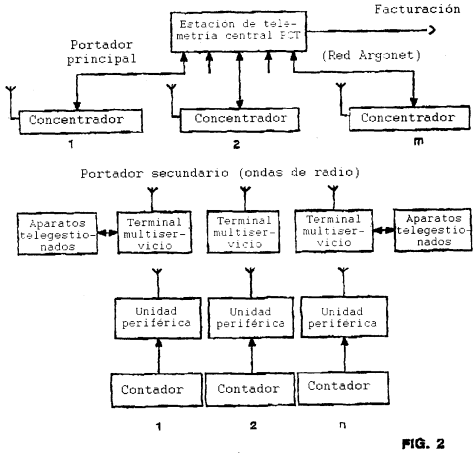


FIG. 2

0) BRPI0701019A – SISTEMA DE VIDEO INSPECCO ROBOTIZADA SYSTEM ROB...

6) Family number: 43253565 (BRPI0701019A)

© PatBase

Title: sistema de vIdeo inspeCco robotizada System robotic video inspection (Machine translation)

Priority: BR2007PI01019 20070507

Family:

Publication number	Publication date	Application number	Application date
BRPI0701019 A2	20090422	BR2007PI01019	20070507

Probable Assignee: ROBITEXPLORE LTDA

Assignee(s):(std)**:** ROBITEXPLORE LTDA

Inventor(s):(std)**:** GOMES DE BRITO JOSE ANGELINO JR

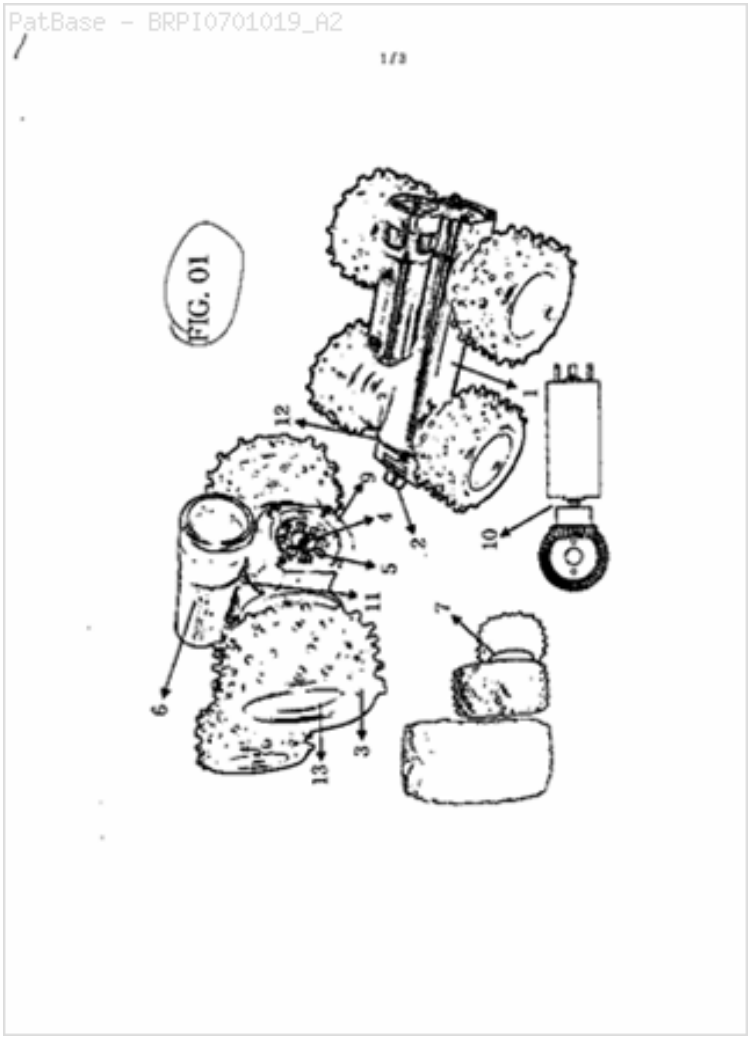
Inventor(s): JOSE ANGELINO GOMES DE BRITO JR

International class (IPC 8–9): E21B23/00 F16L55/18 H04N7/18 (Advanced/Invention); E21B23/00 F16L55/18 H04N7/18 (Core/Invention)

Classification Explorer

Abstract:
Source: BRPI0701019A SISTEMA DE VIDEO INSPECCO ROBOTIZADA. Para uso em tubulacoes onde exista dificuldade de acesso, luminosidade e ambiente contaminado por gases, onde nao possa ter a intervencao humana, como redes de esgoto, aguas pluviais, gasodutos, oleodutos, minerodutos, eletricidade e telefone, com objetivo de inspecionar, mapear, cadastrar, detectar e diagnosticar provaveis defeitos construtivos e operacionais. O sistema proposto compreende: – um robo (1) que pode se deslocar por dentro de uma tubulacao; – um dispositivo enrolador (14) dotado de um cabo (18) que se pode conectar ao robo (1); e – um modulo de controle (29) capaz de controlar o robo e gerenciar informacoes obtidas.

Machine translation: Inspections ROBOTISED VIDEO SYSTEM. For use in pipes where there is difficulty of access, lighting and environment contaminated by gases, which can not be human intervention, such as sewage, stormwater, gas pipelines, pipelines, electricity and telephone, in order to inspect, map, register, detect and diagnose probable construction defects and operational. The proposed system comprises: – a robot (1) that can move inside a pipe, – a winder device (14) equipped with a cable (18) that can connect to the robot (1), and – a module Control (29) able to control the robot and manage information obtained.



0) US2008289558A – LASAR SCANNING FOR MOORING ROBOT

7) Family number: 32536715 (US2008289558A) © PatBase

Title: LASAR SCANNING FOR MOORING ROBOT

Priority: EP20050757580 20050624 JP20070519143 20050624 JP20070519143T 20050624 NZ20040533858 20040629 WO2005NZ00144 20050624

Family:

Publication number	Publication date	Application number	Application date
AT498139 E	20110215	AT20050757580T	20050624
AU2005257687 AA	20060105	AU20050257687	20050624
AU2005257687 BB	20100916	AU20050257687	20050624
BRPI0512815 A	20071106	BR2005PI12815	20050624
CA2572197 AA	20061227	CA20052572197	20050624
CA2572197 C	20130115	CA20052572197	20050624
CN100545675 C	20090930	CN200580029286	20050624
CN101080648 A	20071128	CN200580029286	20050624
CY1111611 T1	20151007	CY20111100248T	20110303
DE602005026288 D1	20110324	DE200560026288T	20050624
DK1766434 T3	20110328	DK20050757580T	20050624
EP1766434 A2	20070328	EP20050757580	20050624
EP1766434 A4	20080514	EP20050757580	20050624
EP1766434 B1	20110209	EP20050757580	20050624
ES2361526 T3	20110617	ES20050757580T	20050624
HK1100299 A1	20110715	HK20070106499	20070616
HK1100299 A3	20070914	HK20070106499	20070616
JP2008505311 T2	20080221	JP20070519143T	20050624
JP2012188114 A2	20121004	JP20120055314	20120313
JP5175095 B2	20130403	JP20070519143T	20050624
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KR20070035558 A	20070330	KR20077000518	20050624
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NO20070541 A	20070129	NO20070000541	20070129
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PT1766434 T	20110307	PT20050757580T	20050624
US2008289558 AA	20081127	US20050631104	20050624
US7876430 BB	20110125	US20050631104	20050624
WO06001720 A2	20060105	WO2005NZ00144	20050624
WO06001720 A3	20070816	WO2005NZ00144	20050624

Probable Assignee: CAVOTEC MOORMASTER LTD

Assignee(s):(std)**:** CAVOTEC MSL HOLDINGS LTD ; MONTGOMERY PETER JAMES ; MOORING SYSTEMS LTD ; MOORING SYSTEMS LIMITED ; CAVOTEC MOORMASTER LTD

Assignee(s): CAVOTEC MSL HOLDINGS LIMITED

Inventor(s):(std)**:** JAMES MONTGOMERY PETER ; MONTGOMERY PETER JAMES ; MONTGOMERY PETER

Inventor(s): PETER JAMES MONTGOMERY

Agent(s): AJ PARK; A J PARK; RIDOUT AND MAYBEE LLP; DAVIES GREGORY MARK; AOKI ATSUSHI; TSURUTA JUNICHI; SHIMADA TETSURO; JACOBSON HOLMAN PLLC

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): B25J15/06 B25J19/02 B63B1/10 B63B21/00 B63B43/20 G01B11/00 G01B11/14 G01C1/00 G01C7/00 G01S13/88 G01S17/88 G01S17/89 (Advanced/Invention); B63B49/00 G01S13/88 (Advanced/Non–invention); B25J15/06 B25J19/02 B63B1/00 B63B21/00 G01B11/00 G01C7/00 G01S13/00 G01S17/00 (Core/Invention); B63B49/00 (Core/Non–invention); G01S (Subclass/Invention)

International class (IPC 1–7): B63B21/00 B63B49/00 G01C5/00

CPC: G01S17/88 B63B21/00 G01S17/42 G05D1/0206

European class: B63B21/00 G01S17/88 G05D1/02C S01S17/42

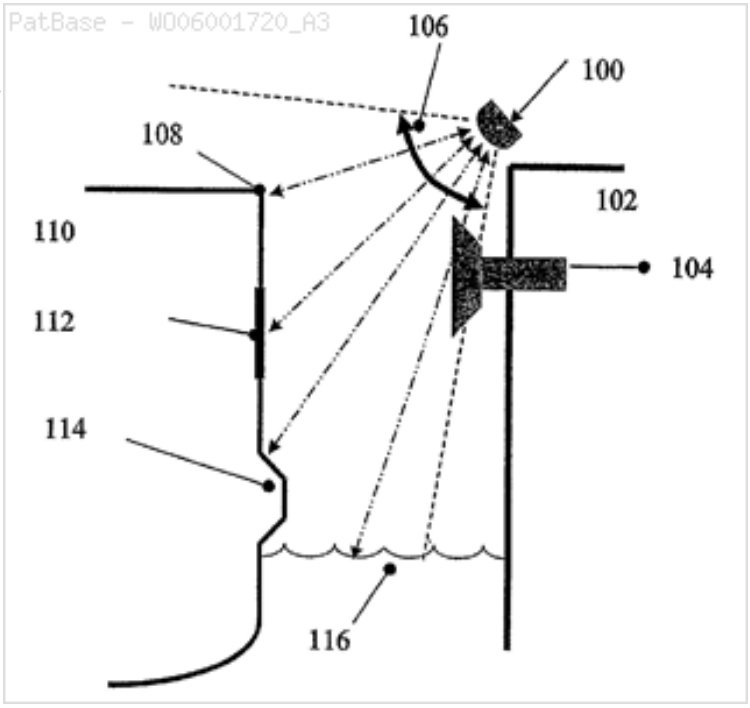
US class: 114/230.1 114/230.100P 356/141.1 356/601 356/601S 356/622 901/40 901/40S 901/46 901/46S

Classification Explorer

Cited documents: WO9612265 A1, US6707414 BB, US6677889 BB, US6023665 A, US5969665 A, US5432515 A, US5432515, US5274378 A, US5274378, US4340936 A, US4293857 A, US4063240 A, US4055137 A, US3754247 A, US3707717 A, US3690767 A, US3594716 A, US3503680 A, JPS62165881 U, JP9126860 A2, JP8034388 A2, JP6347269 A2, JP62165881 U, JP62165881 U, JP6071391 U1, JP60187873 A2, JP4303706 A2, JP2292540 A2, JP2290576 A2, JP2049184 A2, JP2002274481 A2, JP2000292540 A2, JP2000292540, JP09126860, JP0834388, JP0671391 U, DE4301637 A1,

Forward Citations: US8622778, US8047149, US2006226003, US2004208499, RU169071, KR20150144408, KR101607904, FR2937744, ES2387288, EP2203346, EP2203346, CN102236327,

Abstract:
Source: US2008289558A A profile scanner for locating a target zone on a profile of a vessel comprising an emitter adapted to progressively or instantaneously radiate towards the vessel; a receiver providing a signal indicative of radiation incident thereon; a controller or processor including stored instructions, for energising the emitter and receiving the signal, and adapted to determine the vertical location of the target zone relative to scanner.



0) US2003155450A – DEVICE FOR PREPARING THE WALLS OF A MOLD FOR MO...

8) Family number: 30142369 (US2003155450A) © PatBase

Title: DEVICE FOR PREPARING THE WALLS OF A MOLD FOR MOLDING OR SHAPING TO MAKE THEM READY FOR THE NEXT MOLDING CYCLE

Priority: CA19982248640 19980924 DE19981010032 19980309 DE19986037835 19980921 DE19986041979 19980921 EP19980117873 19980921 US19980159209 19980923 US20030373245 20030224 US20000707173 20001106 KR19980056070 19981218

Family:

Publication number	Publication date	Application number	Application date
AT363353 E	20070615	AT19980117873T	19980921
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KR20050101155 A	20051020	KR20050092865	20051004
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PL186974 B1	20040430	PL19980328758	19980921
PL328758 A1	19990913	PL19980328758	19980921
TH39981 A	20000831	TH19981003693	19980921
US2003155450 AA	20030821	US20030373245	20030224
US6192968 BA	20010227	US19980159209	19980923
US6546994 BA	20030415	US20000707173	20001106
US6802459 BB	20041012	US20030373245	20030224

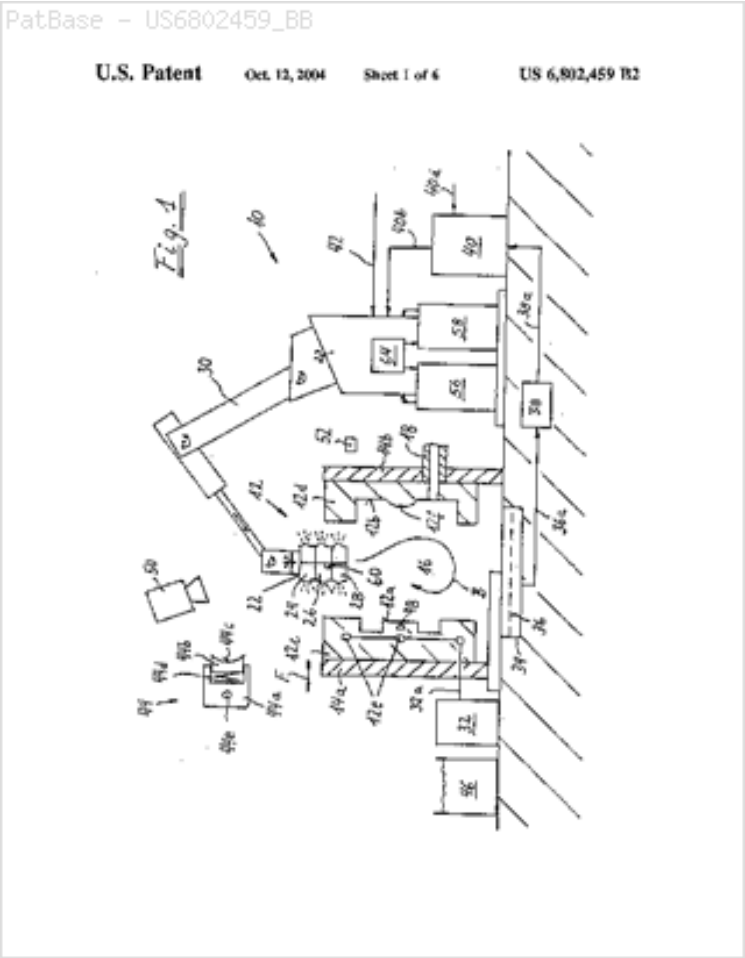
Probable Assignee: HENKEL IP AND HOLDING GMBH

Assignee(s):(std)**:** ACHESON IND INC PORT HURON ; HENKEL CORP ; ACHESON IND INC

Assignee(s): ACHESON IND INC A MICHIGAN CORP ; ACHESON IND INC A MICHIGAN CORPORATION ; KEIM KARL HEINS ; JUNKER THOMAS ; ACHESON IND ; ACHESON IND INC PORT HURON MICHINGAN ; KEIM KARL HEINZ ; HENKEL IP AND HOLDING

	GMBH ; HENKEL US IP LLC ; RENKL HANS DIETER ; KOK DOUWE MARTEN
Inventor(s):(std)	DOUWE MARTEN KOK ; HANS DIETER RENKL ; JUNKER THOMAS ; KARL HEINZ KEIM ; KEIM KARL HEINS ; KEIM KARL HEINZ ; KOK DOUWE M ; KOK DOUWE MARTEN ; RENKL HANS DIETER
Inventor(s):	THOMAS JUNKER
Agent(s):	MACRAE AND CO; KUCKEN STEFAN
Designated states:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
International class (IPC 8–9):	B05B1/30 B05B13/06 B05B15/08 B05B3/10 B05B7/12 B05C9/14 B22C23/02 B22C3/00 B22C9/06 B22C9/12 B22C9/18 B22D17/20 B22D17/22 B22D27/00 B29C33/58 (Advanced/Invention); B05B1/14 B05B13/04 B05B15/04 B05B7/08 B22C9/12 (Advanced/Non–invention)
International class (IPC 1–7):	B05B1/28 B05B1/30 B05B12/02 B05B13/06 B05B15/08 B05B3/10 B05B7/12 B05C9/14 B21D37/18 B21J3/00 B22C23/02 B22C3/00 B22C9/00 B22C9/06 B22C9/12 B22C9/18 B22D15/00 B22D17/20 B22D17/22 B22D17/32 B22D27/00 B29C33/58
CPC:	B05B3/1092 B05B3/1042 B05B1/14 B05B3/001 B05B3/1014 B05B3/1035 B05B3/1057 B05B13/0431 B05B15/0431 B22D17/2007 B22C9/00
European class:	B05B3/10A1 B05B3/10B3 B05B3/10E B22D17/20A L05B1/14 L05B13/04D L05B15/04C L05B3/00A L05B3/10B L05B3/10Y10 L05B7/08A1
US class:	164/121 164/133 164/154.1 164/154.6 164/154.8 164/267 164/4.1 164/72 23/922.4 23/970.8 239/223 239/224 239/290 239/587.1 239/587.100P 239/690 239/708
Classification Explorer	
Cited documents:	US6192968 BA, US6073676 A, US5924470 A, US5603984 A, US5346486 A, US4792094 A, US4762163 A, US4721150 A, US4635493 A, US4601921 A, US4380321 A, US3716094 A, US2709110 A, JP4013463 A2, JP2205230 A2, EP0734780 A2, EP0332470 A2, EP0286977 A2, EP0037645 B1, DE4420679 A1, DE4105116 A1, DE2804633 C2, DE19511272 A1,
Forward Citations:	WO16070240, WO15002751, WO12168147, WO12022477, WO09003718, WO08080242, WO04058434, US9505055, US9475116, US9409192, US9138766, US8425214, US8220523, US7686022, US7402272, US7364419, US7290426, US7030066, US7025111, US6902758, US6857463, US6634411, US6546994, US2011180228, US2010155509, US2008258349, US2008046130, US2008026159, US2008026139, US2007210190, US2006269652, US2006070421, US2005126478, US2004040686, US2003190411, RU2534808, KR101131433, JP5895672, JP2013212526, JP2009028751, FR2976208, EP2691196, EP2691196, EP2347840, DE102010034921, DE102010034921, DE102010014952, DE102009052654, CN104607334, CN104607334, CN104190882, CN103495706, CN103495706, CN103357847, CN102892530, CN102892530, CN102366813,

Abstract:
Source: US2003155450A The invention provides a sprayer for spraying mold wall treatment agent or another liquid. The liquid is sprayed onto, for example, the walls of a mold or some other article. The sprayer includes a spray element body and a rotor mounted with freedom to rotate around an axis of rotation in the spray element body. An atomizing element is attached to one end of the rotor. A first feed line for mold wall treatment agent or another liquid to be sprayed is provided, as well as a second feed line for control air which directs mold wall treatment agent atomized by the atomizing element in the desired spray direction.



0) WO15076654A1 – SYSTEM FOR VERIFYING THE QUANTITY AND QUALITY O...

9) Family number: 59349498 (WO15076654A1) © PatBase

Title: SYSTEM FOR VERIFYING THE QUANTITY AND QUALITY OF FUEL AND LIQUIDS RECEIVED IN VEHICLES AND AUTOMOBILES

Priority: MX20130013740 20131122

Family:

Publication number	Publication date	Application number	Application date
MX2013013740 A1	20150414	MX20130013740	20131122
WO15076654 A1	20150528	WO2013MX00149	20131122

Probable Assignee: CORTES PEDRO DELFIN

Assignee(s):(std)**:** CORTES PEDRO DELFIN ; DELFIN CORTES PEDRO

Assignee(s): PEDRO DELFIN CORTES

Inventor(s):(std)**:** CORTES PEDRO DELFIN ; DELFIN CORTES PEDRO

Inventor(s): PEDRO DELFIN CORTES

Agent(s): HUETTLER RUPERT 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

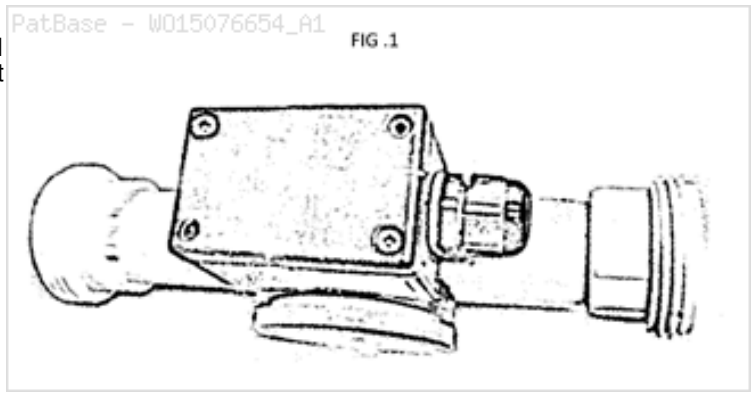
International class (IPC 8–9): B67D7/16 G01F1/075 (Advanced/Invention)

CPC: G01F1/06 B67D7/22

Classification Explorer

Cited documents: WO09149147 A1, US6745104 BA, EP0497373 A1, CN2475003 Y,

Abstract:
Everything mentioned in this document is used to introduce the reader to the invention, but not to define the protection relating to the examples mentioned herein. One or more inventions may result from a combination of the methods and/or elements mentioned herein. The inventor does not waive rights to systems that comply with the same functions simply because all the examples that may be used are not mentioned. This invention relates to a system for measuring the quantity and purity or integrity of fuel received in vehicles and automobiles. The system comprises a fluid measuring device that measures the quantity of fuel that vehicles will receive. The flow sensor has two inner rings that detect foreign fluids that are not gasoline, which detect, by means of resistivity, conductive liquids that alter the explosive properties of gasoline. The information on both quantity and integrity of the fuels will be processed by a microprocessor and displayed on a screen that may be integrated into the control panel or any other location. Said information will be stored and conveyed wirelessly to electronic devices, and will be processed in electronic reports available in multiple versions, the main version being a web page which may be revised by the general public in order that suppliers avoid incidents. This eliminates the factor of corruption and inefficiency on the part of the authorities in checking fuel providers, and in this way the information will come directly from the user and will also be published on social networks. Similarly, this information may be used to seek reimbursement from the supplier directly or via the government or the consumer–protection agencies thereof. The government may use this information to promote reimbursements via taxation. This information may also be used for other purposes, such as tax–collection or fiscal purposes. The page will provide additional information such as the availability and quality of washrooms, availability and quality of convenience stores, public telephones, availability and quality of restaurants, availability and quality of rest areas, etc.



0) US2013006722A – UNIVERSAL VEHICLE MANAGEMENT SYSTEM

10) Family number: 50641999 (US2013006722A) © PatBase

Title: UNIVERSAL VEHICLE MANAGEMENT SYSTEM

Priority: US20100401337P 20100810 US20110137345 20110808 WO2011US01401 20110808

Family:

Publication number	Publication date	Application number	Application date
AP201306757 A0	20130331	AP20130006757	20110808
CL2013000414 A1	20131206	CL20130000414	20130208
CN103189900 A	20130703	CN201180044955	20110808
CN103189900 B	20160803	CN201180044955	20110808
CO6720959 A2	20130731	CO20130046975	20130308
CU20130021 A7	20130829	CU20130000021	20130211
CU24054 B	20141226	CU20130000021	20130211
DOP2013000033 A	20131015	DO20130000033	20130208
EP2603903 A2	20130619	EP20110816707	20110808
GT201300037 A	20141113	GT20130000037	20130208
IN01984DN2013 A	20141031	IN2013DN01984	20130305
MA34582 B1	20131002	MA20130035709	20130306
MX2013001663 A1	20131017	MX20130001663	20110808
PE11582013 A1	20131018	PE20130000262	20110808
TH130037 A	20131211	TH20131000687	20110808
TN2013000048 A1	20140625	TN20130000048	20130207
US2013006722 AA	20130103	US20110137345	20110808
WO12021162 A2	20120216	WO2011US01401	20110808
WO12021162 A3	20120531	WO2011US01401	20110808
ZA201301031 A	20140430	ZA20130001031	20130207

Probable Assignee: WORLD MOTO INC

Assignee(s):(std)**:** GILES PAUL ANTHONY ; WORLD MOTO ; WORLD MOTO INC ; ZIOMKOWSKI CHRISTOPHER LOUIS

Assignee(s): NET PROFITS TEN INC ; PAUL ANTHONY GILES

Inventor(s):(std)**:** GILES PAUL ANTHONY ; GILES PAUL ANTONY ; LOUIS ZIOMKOWSKI CHRISTOPHER ; ANTHONY GILES PAUL ; ZIOKOWSKI CHRISTOPHER LOUIS ; ZIOMKOWSKI CHRISTOPHER LOUIS

Inventor(s): CHRISTOPHER LOUIS ZIOMKOWSKI ; PAUL ANTHONY GILES ; PAUL ANTONY GILES

Agent(s): ESTUDIO CAREY LTDA; MAURICIO JARAMILLO CAMPUZANO; RUTT JASON EDWARD

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 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): G07B13/02 G07B13/04 G07B15/02 (Advanced/Invention); G07B13/02 G07B15/02 (Core/Invention); G07B (Subclass/Invention)

CPC: G07B13/00

European class: G07B13/00

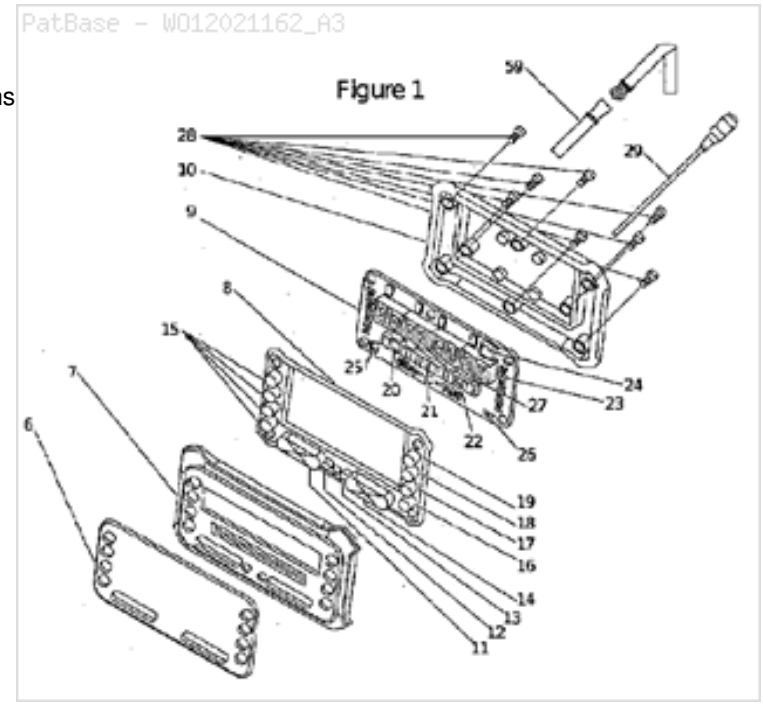
US class: 705/13

Classification Explorer

Cited documents: WO8002207 A1, US7695148 BA, US6474552 BA, US6087965 A, US5623136 A, US4574189 A, US2008309451 AA, US2002161495 AA, JP2007069766 A2, EP1231570 A2, CN2328057 Y, CN1831871 A,

Forward Citations: US9037852, US2014067491, US2014067490, US2014067489, US2013066688, US2012303533, US2012290507, FR3020703,

Abstract:
Source: US2013006722A A universal vehicle management apparatus that can be installed on any means of conveyance, including means of conveyance where installation would result in significant exposure to environmental hazards, and including a rating system that can handle complex fare calculations from a plurality of sensors.



0) MXPA03009943A – IMPROVEMENTS IN AN INTEGRAL MODULAR SYSTEM FOR ...

11) Family number: 32670808 (MXPA03009943A) © PatBase

Title: IMPROVEMENTS IN AN INTEGRAL MODULAR SYSTEM FOR MANAGING MULTIPLE SUBSCRIBERS IN A SERVICE LINE, HAVING ELEMENTS FOR DETECTING FLUID LEAKAGES/ STEAL.

Priority: MX2003PA09943 20031030

Family:

Publication number	Publication date	Application number	Application date
MXPA03009943 A1	20050504	MX2003PA09943	20031030

Probable Assignee: EMILIO HIDALGO RODRIGO

Assignee(s):(std)**:** EMILIO HIDALGO RODRIGO

Inventor(s):(std)**:** EMILIO HIDALGO RODRIGO

International class (IPC 8–9)**:** H01M10/00 (Advanced/Invention); H01M10/00 (Core/Invention)

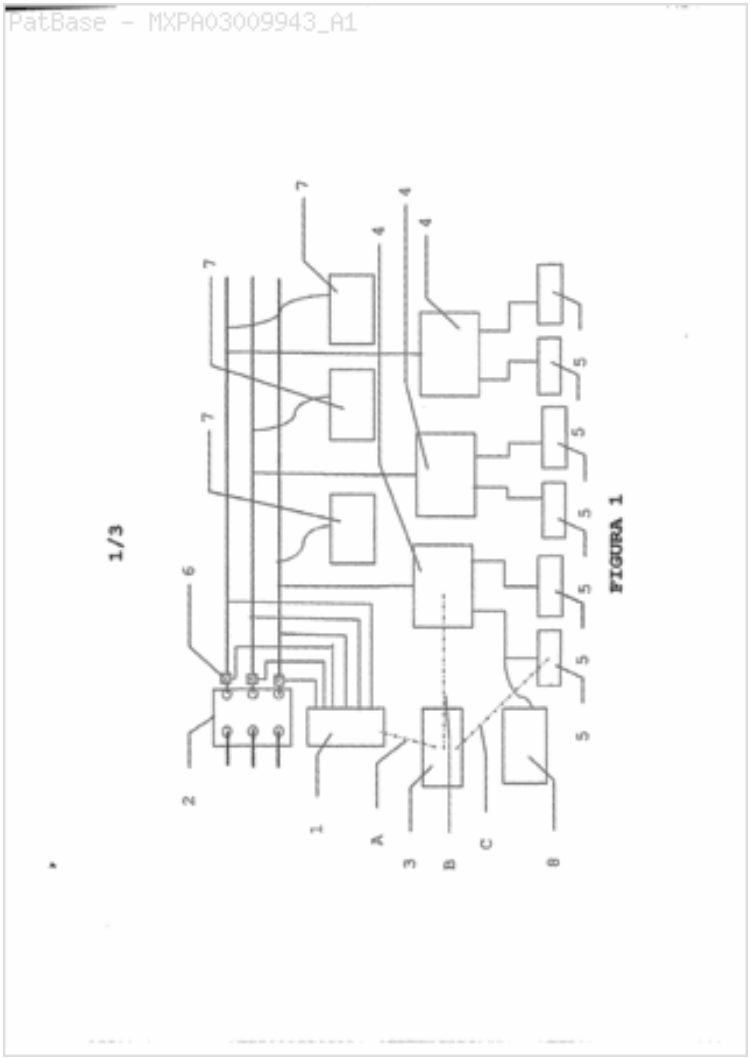
International class (IPC 1–7)**:** H01M10/00

CPC: Y02E60/12

European class: Y02E60/12

Classification Explorer

Abstract:
THE PRESENT INVENTION REFERS TO A SYSTEM FOR CONNECTING/DISCONNECTING MULTIPLE SUBSCRIBERS TO A MAIN LINE THAT SUPPLIES A SERVICE SUCH AS ELECTRICAL POWER, WHICH ALLOWS THE INDIVIDUAL CONSUME OF EACH SUBSCRIBER TO BE MEASURED AND REGISTERED. THE SYSTEM INCLUDES WIRELESS LINKING ELEMENTS I.E., OF THE RADIOFREQUENCY TYPE, WHICH ARE USEFUL FOR OPERATING THE SET AT LONG DISTANCE. THE IMPROVEMENTS CONSIST IN THE INTEGRATION OF MULTIPLE METERS INTO A PLURALITY OF CORRESPONDING MEASUREMENT POINTS, THEN TRANSFORMING SAID MEASUREMENTS INTO DIGITAL DATA, WHICH CAN BE ELECTRONICALLY TRANSFERRED AND MANIPULATED, AND CARRYING OUT ASSESSMENTS FOR AUDITING THE CONSUME AND DETECTING POSSIBLE LEAKAGES AND THEFT OF THE FLUID SUPPLIED IN SPECIFIC SECTIONS OF THE SERVICE DISTRIBUTION NETWORK.



0) US2008045540A – SULFONYL PYRROLIDINES, METHOD FOR PRODUCING THE...

12) Family number: 33110727 (US2008045540A) © PatBase

Title: SULFONYL PYRROLIDINES, METHOD FOR PRODUCING THE SAME AND THEIR USE AS DRUGS

Priority: DE200510000666 20050104 EP20050822649 20051221 WO2005EP13772 20051221

Family:

Publication number	Publication date	Application number	Application date
AR053994 AA	20070530	AR2006P100007	20060102
AU2005324070 AA	20060713	AU20050324070	20051221
BRPI0519674 A2	20090303	BR2005PI19674	20051221
CA2593098 AA	20070629	CA20052593098	20051221
CN101115732 A	20080130	CN200580045824	20051221
DE102005000666 B3	20061005	DE200510000666	20050104
DE502005012841 D1	20120809	DE200550012841T	20051221
EP1836180 A2	20070926	EP20050822649	20051221
EP1836180 B1	20120613	EP20050822649	20051221
HK1116475 A3	20081224	HK20080104239	20080415
IL184175 A0	20071031	IL20070184175	20070624
IL184175 A1	20101230	IL20050184175	20051221
IN02970CN2007 A	20070907	IN2007CN02970	20070704
JP2008526696 T2	20080724	JP20070548727T	20051221
KR20070097483 A	20071004	KR20077015289	20070703
MX2007007845 A1	20080122	MX20070007845	20051221
US2008045540 AA	20080221	US20070765705	20070620
US7468369 BB	20081223	US20070765705	20070620
WO06072393 A2	20060713	WO2005EP13772	20051221
WO06072393 A3	20060831	WO2005EP13772	20051221

Probable Assignee: SANOFI

Assignee(s):(std)**:** ESSWEIN MARION ; GLIEN MAIKE ; GUESSREGEN STEFAN ; KEIL STEFANIE ; SANOFI AVENTIS DEUTSCHLAND GMB ; SCHAEFER HANS LUDWIG ; WENDLER WOLFGANG ; SANOFI AVENTIS DEUTSCHLAND ; SANOFI SA ; SANOFI AVENTIS SA ; SANOFI AVENTIS

Assignee(s): SANOFI AVENTIS DEUTSCHLAND GMBH ; SANOFI

Inventor(s):(std)**:** ESSWEIN MARION ; GLIEN MAIKE ; GUESSREGEN STEFAN ; MARION SCHNEIDER ; SCHAEFER HANS LUDWIG ; SCHNEIDER MARION ; STEFAN GUESSREGEN ; STEFANIE KEIL ; WENDLER WOLFGANG ; WOLFGANG WENDLER ; KEIL STEFANIE ; MAIKE GLIEN

Inventor(s): MARION ESSWEIN ; HANS LUDWIG SCHAEFER

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; BERESKIN AND PARR; FISCHER HANS JUERGEN; PEARL COHEN ZEDEK LATZER BARATZ; ANDREA Q RYAN SANOFI AVENTIS US LLC; GUPTA BALARAM; BALARAM

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): A61K31/4025 A61K31/496 A61K31/497 A61K45/00 A61P3/00 A61P3/06 A61P3/10 A61P3/12 A61P7/00 A61P9/00 A61P9/10 C07D207/16 C07D207/48 C07D295/22 C07D295/26 C07D401/00 C07D401/04 C07D401/06 C07D401/12 C07D401/14 C07D403/06 C07D405/00 C07D405/04 C07D405/14 C07D409/02 C07D409/04

C07D409/12 C07D409/14 C07D413/00 C07D413/04 C07D413/12 C07D413/14 (Advanced/Invention);
A61K31/4025 A61K31/497 C07D401/06 C07D401/14 (Advanced/Non–invention);
A61K31/4025 A61K31/496 A61K31/4965 A61K45/00 A61P3/00 A61P7/00 A61P9/00 C07D207/00 C07D295/00 C07D401/00 C07D403/00 C07D405/00 C07D409/00 C07D413/00 (Core/Invention);
C07D (Subclass/Invention)

International class (IPC 1–7): A61K31/4025 A61K31/497 A61P3/12 A61P9/00 C07D295/22 C07D401/12 C07D401/14 C07D405/04 C07D405/14 C07D409/04 C07D409/12 C07D413/04 C07D413/12

CPC: C07D295/26 C07D401/12 C07D401/14 C07D405/04 C07D405/14 C07D409/04 C07D409/12 C07D413/04 C07D413/12 C07D413/14

European class: C07D295/26 C07D401/12 C07D401/14 C07D405/04 C07D405/14 C07D409/04 C07D409/12 C07D413/04 C07D413/12 C07D413/14

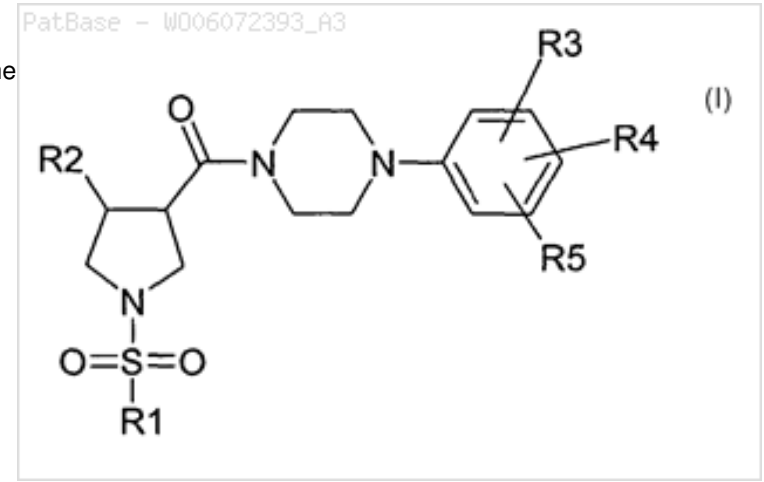
US class: 514/252.13 514/252.130S 514/253.07 514/253.09 514/253.090P 514/254.01 514/254.010S 514/254.03 514/254.04 514/254.040S 544/105 544/363 544/364 544/364S 544/367 544/367S 544/372 544/372S 544/379 544/379S

Classification Explorer

Cited documents: WO9407496 A1, WO05040109 A1, WO03068220 A1, WO0002851 A1, WO0002850 A2, US6548547 BA, US6335334 BA,

Forward Citations: WO14140310, WO12120056, WO12120055, WO12120054, WO12120053, WO12120052, WO11023754, WO10068601, WO10056022, WO10003624, WO08017381, US9586945, US9586942, US9365512, US9309200, US9238619, US9227930, US9044606, US8476227, US8288386, US8236955, US8183243, US8093248, US8039622, US7851471, JP2010535834, JP2010523514, EP2567959, DE102007063671, CN105209457, CN103172635, CN103172635,

Abstract:
Source: US2008045540A The invention relates to substituted sulfonylpyrrolidines of the formula I and to the physiologically tolerated salts thereof, as well as to their use as medicaments.



13) Family number: 56265788 (US2015271201A) © PatBase

Title: DEVICE FOR DETECTION AND PREVENTION OF AN ATTACK ON A VEHICLE

Priority: IL20150238359 20150416 US20120795426P 20121017 WO2013IL50838 20131017 US20130436123 20131017

Family:

Publication number	Publication date	Application number	Application date
CN105050868 A	20151111	CN201380066166	20131017
EP2909065 A1	20150826	EP20130847130	20131017
EP2909065 A4	20160608	EP20130847130	20131017
HK1214216 A1	20160722	HK20160102142	20160225
IL238359 A0	20150630	IL20130238359	20131017
JP2016502697 T2	20160128	JP20150537418T	20131017
KR20150073176 A	20150630	KR20157010059	20131017
MX2015004828 A1	20160108	MX20150004828	20131017
US2015271201 AA	20150924	US20130436123	20131017
US9560071 BB	20170131	US20130436123	20131017
WO14061021 A1	20140424	WO2013IL50838	20131017

Probable Assignee: TOWER SEC LTD

Assignee(s):(std)**:** RUVIO GUY ; TOWER SEC LTD ; WEISGLASS YUVAL ; TOWERSEC LTD ; DICKMAN SAAR

Assignee(s): LAW OFFICE OF MICHAEL E KONDOUDIS

Inventor(s):(std)**:** DICKMAN SAAR ; DICKMAN SAAR DICKMAN ; RUVIO GUY ; WEISGLASS YUVAL ; WESGLASS YUVAL

Inventor(s): YUVAL WEISGLASS ; SAAR DICKMAN ; GUY RUVIO

Agent(s): LECOMTE AND PARTNERS; YAMAMOTO OSAMU; NAKAMURA SHOGO; TAKEUCHI SHIGEO; ONO SHINJIRO; KOBAYASHI YASUSHI; ALLEMAN HALL MCCOY RUSSELL AND TUTTLE LLP; DR EYAL BRESSLER LTD 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): B60R B60R16/02 B60R16/023 B60R25/00 G06F11/00 G06F21/55 G06N99/00 H04L12/24 H04L29/06 H04L29/08 (Advanced/Invention) ; B60R H04L (Subclass/Invention)

CPC: H04L63/1466 G06N99/005 B60R16/023 H04L67/12 H04L63/1408 H04L63/1441

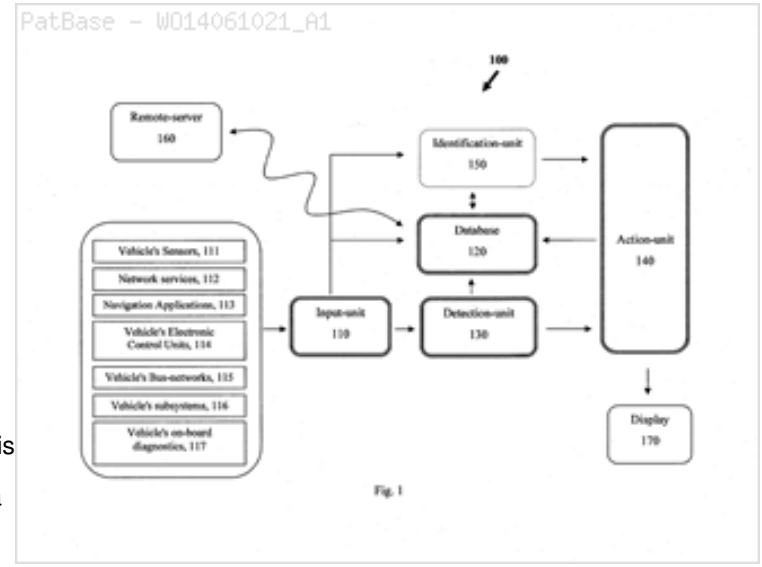
US class: 726/23

Classification Explorer

Cited documents: US8402268 BB, US7917261 BB, US6314351 BA, US2010296387 AA, US2009170539 AA, US2009005938 AA, US2008148409 AA, CN102461118 A, CN102202303 A, CN102123076 A,

Forward Citations: WO16046819, US9514648, US9401923, US2016140847, US2015113638, KR20150131669, KR101673050, DE102014214300, CN105083165,

Abstract:
Source: US2015271201A A new device for detection and prevention of an attack on a vehicle via its communication channels, having: an input−unit configured to collect real−time and/or offline data from various sources such as sensors, network based services, navigation applications, the vehicles electronic control units, the vehicle's bus−networks, the vehicle's subsystems, and on board diagnostics; a database, for storing the data; a detection−unit in communication with the input−unit; and an action−unit, in communication with the detection unit, configured for sending an alert via the communication channels and/or prevent the attack, by breaking or changing the attacked communication channels. The detection−unit is configured to simultaneously monitor the content, the meta−data and the physical−data of the data and detect the attack.



0) US2004093811A – AREA FLOOR COVERING

14) Family number: 30321113 (US2004093811A) © PatBase

Title: AREA FLOOR COVERING

Priority:

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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 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): A47G27/00 A47G27/02 A47G27/04 B26D3/00 B29C65/50 B32B3/00 B32B3/02 B32B3/10 B32B7/12 B65H37/00 C09J7/02 D06N7/00 E04B1/00 E04B1/64 E04B2/00 E04B5/00 E04B9/00 E04C2/20 E04C2/30 E04C2/52 E04F13/00 E04F13/08 E04F15/00 E04F15/02 E04F15/06 E04F15/10 E04F15/16 E04F15/22 E04F19/00 E04F19/06 E04F21/20 E04G21/00 E04G23/00 G01S1/68 G01S13/74 G01S5/00 G06F17/00 G06K17/00 G06K19/00 G06K19/07 G08B1/08 G08B21/00 H04B1/59 (Advanced/Invention); A47G27/04 B65H37/00 C09J7/02 E04F11/16 E04F15/02 G06K17/00 (Advanced/Non–invention); A47G27/00 B32B3/10 B32B7/12 B65H37/00 C09J7/00 C09J7/02 E04B1/00 E04B1/64 E04B2/00 E04C2/10 E04C2/30 E04C2/52 E04F13/00 E04F13/08 E04F15/00 E04F15/02 E04F15/22 E04F19/02 G01S13/00 G06F17/00 G06K17/00 G06K19/00 G06K19/07 G08B1/00 G08B21/00 H04B1/59 (Core/Invention); E04F11/02 (Core/Non–invention); A47G B65H C09J E04F (Subclass/Invention)

International class (IPC 1–7): A47G27/02 B32B3/00 B32B3/02 B32B3/10 B32B33/00 D06N D06N7/00 E04B1/00 E04F11/16 E04F15/00 E04F15/06 E04G21/00 E04G23/00

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European class: A47G27/02R A47G27/02R1 A47G27/02T A47G27/04D A47G27/04D1 A47G27/04E B65H37/00B2 C09J7/02F C09J7/02K4 C09J7/02K9F E04F15/02 E04F19/06B E04F21/00 E04F21/165 G01S1/68 G01S5/00R1A L65H401/211 L65H402/411 L65H701/1922 L65H701/1940 M09J203/314 M09J433/00 P04F11/16 S06K17/00W6

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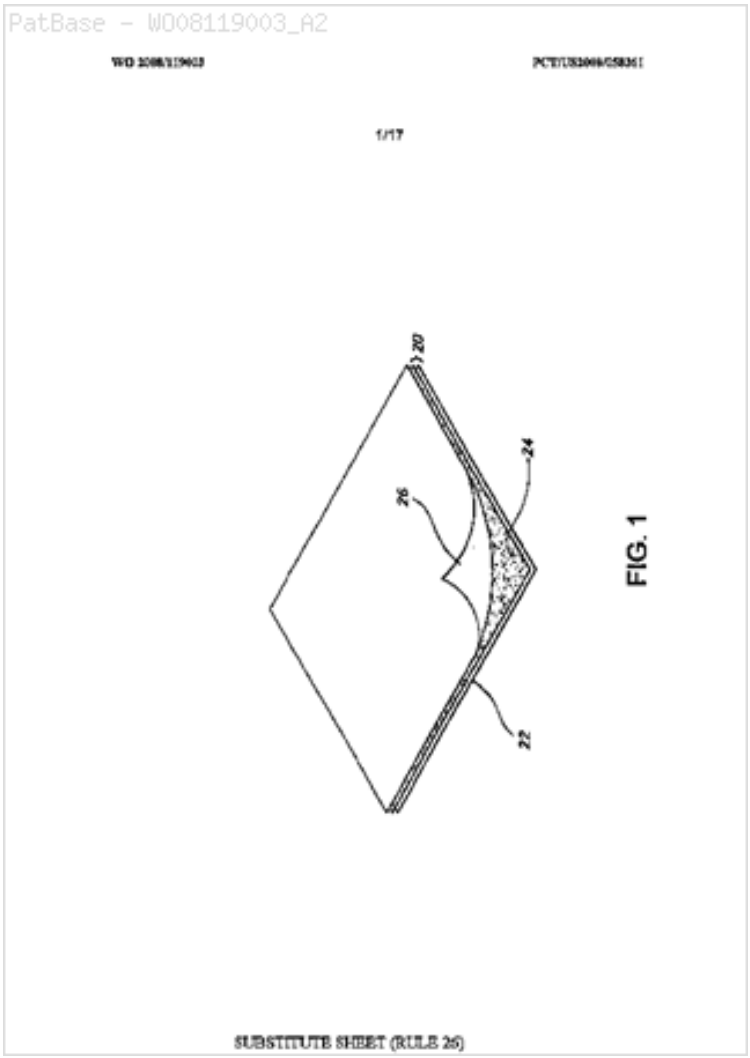
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Forward Citations: WO17017033, WO16204606, WO14022466, WO13103721, WO12161568, WO10144897, WO10118084, WO10104862, WO06044928, WO06044928, WO04030902, USD773073, USD692595, USD656250, US9598613, US9534398, US9409344, US9402496,

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Abstract:
Source: US2004093811A A system and method for forming an area rug using at least one replaceable wear surface positioned on a floor or subfloor. The system includes a base and at least one replaceable wear surface, of which both may be cut to fit a floor space of almost any shape. The system may be attached to the floor using an adhesive, a double−sided tape, or a cloth, with or without adhesive, or not attached at all. The cloth can be applied coextensively to the base and replaceable wear surface, or intermittingly, such as only at intersecting corners. The system can be sold to consumers as a self contained kit or as a group of components that can be separately selected.



0) CO5770117A – CAPUCHA PROTECTORA PARA DESCARGA A TIERRA PROTE...

15) Family number: 43686350 (CO5770117A) © PatBase

Title:	CAPUCHA PROTECTORA PARA DESCARGA A TIERRA PROTECTIVE HOOD FOR GROUNDING (Machine translation)
Priority:	CO20060129031 20061226

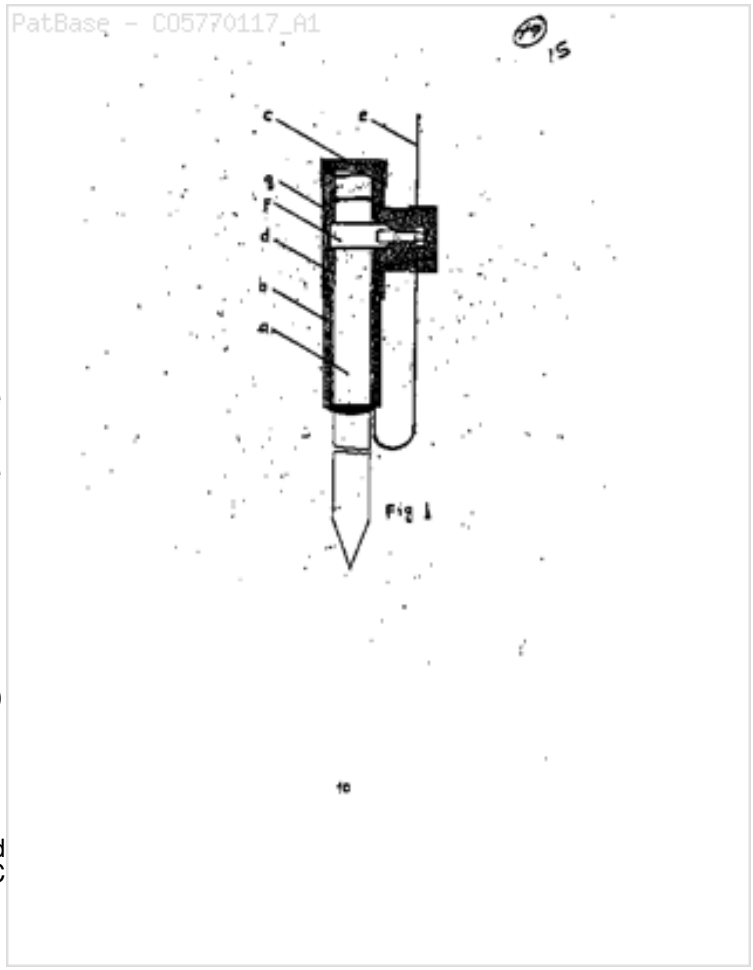
Family:

Publication number	Publication date	Application number	Application date
CO5770117 A1	20070629	CO20060129031	20061226

Probable Assignee:	RENDON RIVAS JOSE DAVID
Assignee(s):(std):	RENDON RIVAS JOSE DAVID
Assignee(s):	JOSE DAVID RENDON RIVAS
Inventor(s):(std):	RENDON RIVAS JOSE DAVID
Inventor(s):	JOSE DAVID RENDON RIVAS
International class (IPC 8–9):	G01R31/00 (Advanced/Invention); G01R31/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CO5770117A ? La capucha protectora para descarga a tierra consta de un KIT que compone los siguientes elementos: a) Un tramo de tubo de PVC de 17 cms de largo el cual sirve para alejar el agua y la humedad del punto de contacto entre la descarga a tierra (tramo de alambre o cable), la varilla cooperweld y la grapa para varilla cooperweld. b) Una T de PVC en la cual va ensamblada interiormente la grapa para varilla cooperweld, esta grapa es la que sujeta (asegura) la descarga a tierra propiamente dicha con la varilla cooperweld. c) Dos tapones de PVC, los cuales despues de vaciar el poliuretano y esperar un minuto que ocurra la reaccion se le colocan a la T para darle un sello contra el agua, la humedad y el aire por la parte superior de la capucha al punto de union entre la descarga a tierra, la varilla cooperweld y la grapa para varilla cooperwel. Estos tapones van pegados a la T con soldadura para PVC o con silicona. d) 10 ml (mililitros) de foliol y 10 ml (mililitros) de isocianato=poliuretano envasados independientemente en pequenos frascos o bolsitas plasticas, esto con el fin de darle un mejor manejo. less than EMI FILE="06129031_1" ID="1" IMF=JPEG HE=50 WI=50 greater than ? The protective hood for grounding consists of a kit comprises the following elements: a) A section of PVC pipe 17 cm long which serves to keep water and moisture from the point of contact between the grounding (length of wire or cable), the rod and staple cooperweld cooperweld rod. b) A T PVC which is assembled inside the staple cooperweld rod, this is the securing clip (ensure) the proper grounding with the rod cooperweld. c) Two PVC plugs, which after emptying the polyurethane and wait a minute that happens the reaction was placed at the T to provide a seal against water, moisture and air from the top of the hood to the point union between the grounding, cooperweld rod and rod cooperwel staple. These plugs are glued to the PVC T solder or silicone. d) 10 ml (milliliters) of foliol and 10 ml (milliliters) = polyurethane isocyanate independently packaged in small jars or plastic pouches, this in order to give better handling. less than EMI FILE = "06129031_1" ID = "1" IMF = JPEG HE = 50 WI = 50 greater than



0) WO13110825A1 – INTEGRATED DATA RECOGNITION SYSTEM FOR LOCKING ...

16) Family number: 54136892 (WO13110825A1) © PatBase

Title: INTEGRATED DATA RECOGNITION SYSTEM FOR LOCKING AND/OR UNLOCKING MOTOR–ACTUATED OBJECTS, MECHANISMS, DEVICES AND/OR SIMILAR IN ANY MEDIUM

Priority: ES20110001366 20111220

Family:

Publication number	Publication date	Application number	Application date
ES2409155 AA	20130625	ES20110001366	20111220
ES2409155 BA	20140424	ES20110001366	20111220
WO13110825 A1	20130801	WO2012ES00323	20121217

Probable Assignee: HERVAS RIVAS JOSE ANTONIO

Assignee(s):(std)**:** HERVAS RIVAS JOSE ANTONIO

Assignee(s): JOSE ANTONIO HERVAS RIVAS

Inventor(s):(std)**:** HERVAS RIVAS JOSE ANTONIO

Inventor(s): JOSE ANTONIO HERVAS RIVAS

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): B60R25/25 G01N33/483 (Advanced/Invention)

CPC: B60R25/257 G01N33/4833 B60R25/252

Classification Explorer

Cited documents: WO04018249, KR20020011622, GB2460850,

Abstract:
The invention essentially comprises: element (1) which represents the objects, mechanisms, devices and/or similar; element (2), a digital fingerprint sensor for people recognition; element (3), a digital laser sensor for determining blood alcohol levels via the skin; element (4), a signal conditioner and an analog converter for digital coding; element (5), a micro–controller; element (6), a central memory unit containing the database; element (7), a data display panel; element (8), a relay system; element (9), a start–up device for starting the motor; element (10), a pulse rate sensor; element (11), an anti–carjacking/–theft device; element (12), a device allowing position finding and data transmission via satellite; element (13), a device for stopping and/or locking the motor by remote control; element (14), a memory unit for the display; and element (15), an external warning light and sound effect system. The purpose of the invention is to guarantee that objects, mechanisms, devices and/or similar can be locked or unlocked in any medium, but only by authorised persons with a blood alcohol level within the legal limit and never by anyone that does not fulfill both of these criteria. The invention can also be used for remote locking, particularly in emergency situations.

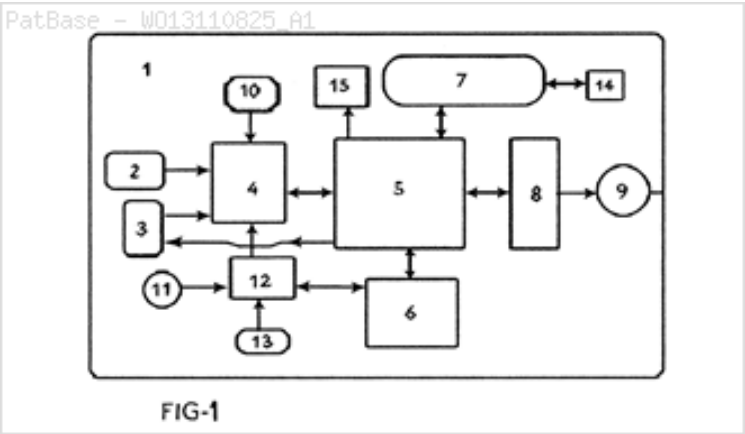


FIG-1

17) Family number: 63719109 (WO16159748A1) © PatBase

Title: COATED STEEL PARTS AND PRODUCTION METHODS THEREOF

Priority: WO2015MX00056 20150330

Family:

Publication number	Publication date	Application number	Application date
WO16159748 A1	20161006	WO2015MX00056	20150330

Probable Assignee: ONTIVEROS BALCAZAR ALBERTO MANUEL

Assignee(s):(std)**:** ONTIVEROS BALCAZAR ALBERTO MANUEL

Inventor(s):(std)**:** ONTIVEROS BALCAZAR ALBERTO MANUEL

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

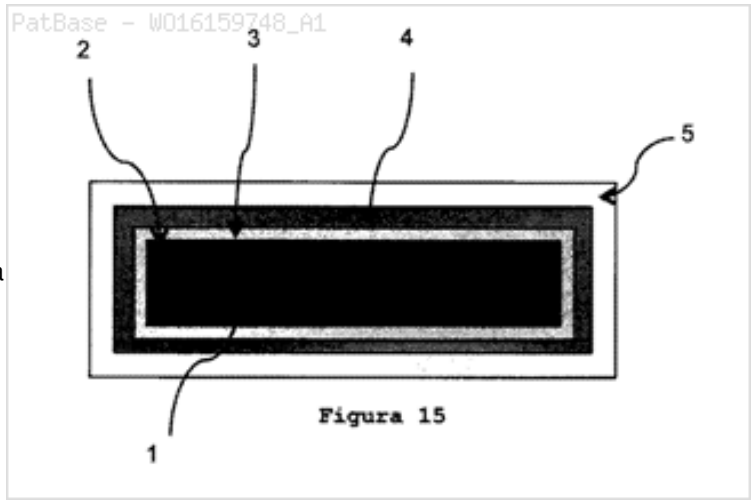
International class (IPC 8–9): H01R13/03 H01R4/66 (Advanced/Invention)

CPC: H01R4/66 H01R13/03

Classification Explorer

Cited documents: US5608186 A, CN203277666 U, CN203013284 U, CN202534796 U,

Abstract:
The present invention relates to a carbon steel part coated with a coating of multiple layers of various materials, such as zinc, copper, and tin, and a sealing coating based on a product known commercially as Solderex TB–Br. The part can be used to produce conductors and electrodes which receive and carry electricity and which can, in turn, form part of an electrical energy control system. The present invention also relates to a method for coating a carbon steel part with a coating of multiple layers of various materials, wherein said method comprises: applying a zinc layer coating the surface of a carbon steel support material; applying a copper layer on the zinc layer; applying a tin layer on the copper layer; and applying a sealing layer on the tin layer.



0) US2008072064A – SECURE UNIVERSAL TRANSACTION SYSTEM

18) Family number: 34236784 (US2008072064A) © PatBase

Title: SECURE UNIVERSAL TRANSACTION SYSTEM

Priority: AU20070319692 20070725 AU20120200578 20120202 EP20060256440 20061219 GB20060025304 20061219 US20060532580 20060918 GB20060017529 20060907 WO2007US74327 20070725 US20110020968 20110204

Family:

Publication number	Publication date	Application number	Application date
AP200904809 A0	20090430	AP20090004809	20070725
AR062800 AA	20081203	AR2007P104102	20070917
AU2007319692 AA	20080522	AU20070319692	20070725
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BRPI0718457 A2	20131126	BR2007PI18457	20070725
CA2663217 AA	20090311	CA20072663217	20070725
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CO6170397 A2	20100618	CO20090039203	20090417
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JP2010503942 T2	20100204	JP20090529287T	20070725
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WO08060725 A3	20080710	WO2007US74327	20070725
WO08060725 A8	20090423	WO2007US74327	20070725
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Probable Assignee: JOHN FRANCHI

Assignee(s):(std)**:** FRANCHI JOHN ; FRANCHI JOHN F ; FRANCHI JOHN FRANCO ; FRANCO FRANCHI JOHN ; JOHN FRANCHI ; JOHN FRANCO FRANCHI

Assignee(s): JOHNSON MATTHEY PLC ; DALIAN INSTITUTE OF CHHEMICAL PHYSICS ; JOHN F FRANCHI

Inventor(s):(std): FRANCHI JOHN F ; FRANCHI JOHN FRANCO ; FRANCO FRANCHI JOHN

Inventor(s): JELLE RUDOLF ANNE SIETSMA ; JOHN F FRANCHI ; JOHN FRANCO FRANCHI ; KRIJN PIETER DE JONG ; PETRA ELISABETH DE JONGH ; ADRIANUS JACOBUS VAN DILLEN

Agent(s): MESKIN IP; IP GUARDIAN; RICHES MCKENZIE AND HERBERT LLP; LUZ CLEMENCIA DE PAEZ; COLLINS JOHN DAVID; SULEIMAN I AL AMMAR LAW OFFICE; NAKANISHI MOTOHARU; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; DORSEY AND WHITNEY LLP, INTELLECTUAL PROPERTY DEPARTMENT; DORSEY AND WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT; BARNES AND THORNBURG LLP; LUEDKE ADRIANA 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 YU ZA ZM ZW

International class(IPC 8–9): B01J23/755 C01G53/04 C07C1/04 G06F21/00 G06F21/20 G06F21/24 G06K17/00 G06K19/07 G06K19/10 G06K7/00 G06K9/00 G06Q10/00 G06Q20/00 G06Q20/40 G06Q30/00 G06T7/00 G07F7/10 H04K1/00 H04L9/00 H04L9/32 (Advanced/Invention); G06F21/00 G06K17/00 G06K19/07 G06K19/10 G06Q10/00 G06Q20/00 G06Q30/00 G06T7/00 G07F7/10 H04K1/00 H04L9/00 H04L9/32 (Core/Invention); H04L (Subclass/Invention)

International class(IPC 1–7): G05B19/00 H04L9/00

CPC: G06F21/32 G06F21/34 G06Q20/12 G06Q20/4014 G06Q30/0641

European class: G06F21/32 G06F21/34 G06Q20/12 G06Q20/4014 G06Q30/0641 G07F7/10D6K

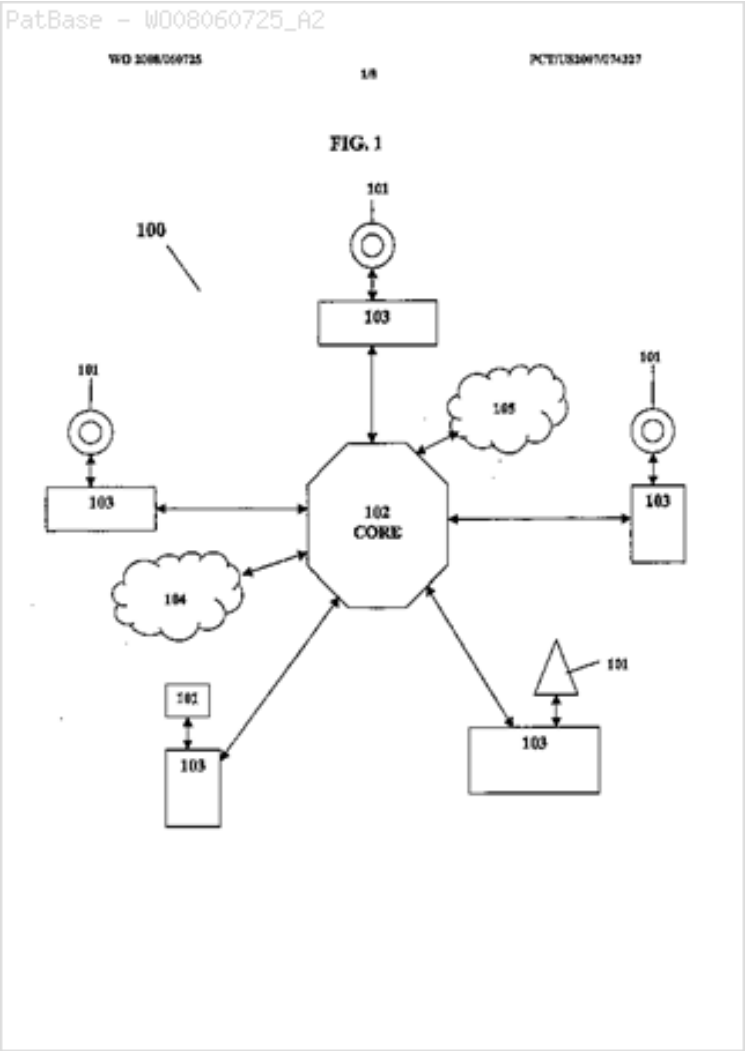
US class: 705/27.1 705/27.100P 713/186 713/186P 726/9 726/9S

Classification Explorer

Cited documents: WO06014205 A3, WO06014205 A2, WO05002105 A1, WO04019190 A1, WO0131562 A1, US6629591 BA, US6219439 BA, US5870723 A, US5770533, US5359183 A, US5055662 A, US2007045399 AA, US2006167784 AA, US2005160298 AA, US2005154904 AA, US2004234117 AA, US2004188519 AA, US2004139028 AA, US2004041019 AA, US2003159044 AA, US2003009392 AA, TW487864, TW200627272, TW200614092, JPS6278677, JP62078677 A2, JP2006155196 A2, JP2006011681 A2, JP2005148982 A2, JP2005018737 A2, JP2002351997 A2, JP2002279375 A2, JP2000132515 A2, JP11511882 T2, GB2401822 A1, GB2401462 A1, GB2331825 A1, EP1396779 A2, EP1170704 A1, EP1028398 A2, DE19631557 A1,

Forward Citations: WO15060867, WO15005948, WO13019709, WO12164368, WO12071418, WO12071418, USD748200, USD748199, US9552434, US9517404, US9501618, US9485251, US9457263, US9387407, US9327200, US9310902, US9246881, US9202032, US9202028, US9141951, US9129090, US9118665, US9092114, US9076173, US9021058, US8986115, US8972369, US8931695, US8910266, US8909920, US8904298, US8880593, US8826030, US8819039, US8726172, US8689008, US8678273, US8521977, US8510797, US8485442, US8443202, US8443053, US8301512, US8296259, US8295452, US8229861, US8219558, US8127337, US8010628, US7899823, US7792709, US7430306, US2015356290, US2015193704, US2013268410, US2013226800, US2013197986, US2013067079, US2012278876, US2012035967, US2011231911, US2011209200, US2011138011, US2011099085, US2011067028, US2011035788, US2011000961, US2010306080, US2010280911, US2010127064, US2010088527, US2010037067, US2010031319, US2009228952, US2009222532, US2008263352, US2008198991, US2008162300, US2008156866, US2004128320, TWI476625, TWI456427, TWI435588, GB2483515, EP2306361, CN103514652, CN102801531, CN102571779, CN102394896,

Abstract:
Source: US2008072064A A secure universal transaction system includes an operations and resource component, at least one communication device for enabling user interaction with the operations and resource component, and a secure token associated with each user of the system. The operations and resource component includes a first biometric security component, a second security component, and a communication component for enabling secure communication between the operations and resource component and at least one network. Each communication device includes a wired or wireless token interface, a biometric reader for enabling a user to input a biometric reading, a wired or wireless communication component for enabling communication between the communication device and the operations and resource component, a user input device, and an output device. Each secure token includes a token security component for generating a security code and a data storage component for storing user data. User access to the operations and resource component is permitted only when the secure token is interfaced with the token interface of the communication device, the biometric reading entered by the user matches a biometric reading associated with the secure token in the biometric security component of the operations and resource component, and the security code generated by the token security component matches a corresponding security code associated with the secure token in the second security component of the operations and resource component.



- **search:** SS4 ft=(water or flow) and meter and lock* and anchor* (Results 316)
- **search:** SS5 ft=(water or flow) and meter and lock* and anchor* and house* (Results 70)
- List: SS5 1–50 (ft=(water or flow) and meter and lock* and anchor* and house*) (Results 70)

0) US2002066596A – SUBSEA MUD PUMP AND CONTROL SYSTEM

1) Family number: 28257736 (US2002066596A) © PatBase

Title: SUBSEA MUD PUMP AND CONTROL SYSTEM

Priority: US19980079641P 19980327 US19990276404 19990325 US19990276406 19990325 US19990276405 19990325 US20030341511 20030113 US20010923287 20010806 WO1999US06111 19990326 WO1999US06695 19990326 WO1999US06694 19990326

Family:

Publication number	Publication date	Application number	Application date
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WO9950524 A3	19991202	WO1999US06111	19990326

Probable Assignee: HYDRIL USA MFG LLC

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Inventor(s): KENNETH LPELATA ; MOTT KEITH C DECEASED ; KEITHC MOTT ; KEITH C MOTT ; ENNETH W COLVIN

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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 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 ZA ZW

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Classification Explorer

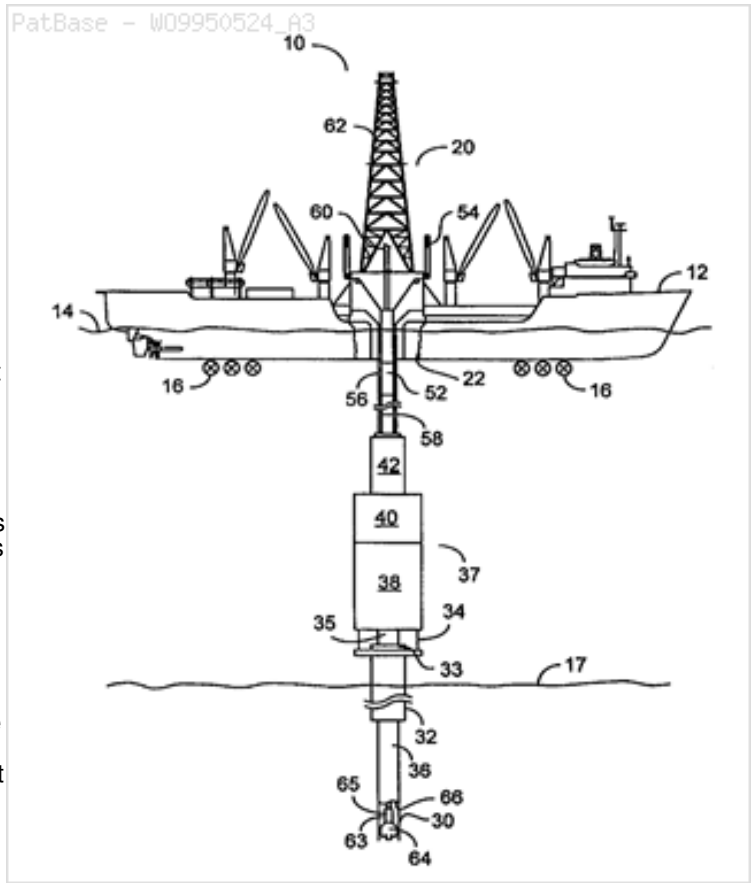
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Abstract:
Source: US2002066596A The invention is a subsea pump that includes pumping elements, each pumping element including a pressure vessel with a first and a second chamber therein and a separating member disposed between the first and second chambers. The first and second chambers are hydraulically connected to receive and discharge a hydraulic fluid and a drilling fluid, respectively. The separating member moves within the pressure vessel in response to a pressure differential between the first and second chambers. A hydraulic power supply is arranged to pump the hydraulic fluid to the first chamber of each of the pumping elements. A valve assembly is hydraulically coupled to the first chambers of the plurality of pumping elements and to the hydraulic power supply. Volume measurement devices are arranged to measure volumes of each of the first chambers and the second chambers. A valve controller is connected to the valve assembly and to the volume measurement devices, and the valve controller is arranged to control a rate and timing of a flow of the hydraulic fluid into the first chambers and a rate and timing of a flow of the hydraulic fluid out of the first chambers in response to the volume measurements. The valve controller is configured to maintain at least one of a substantially constant pump inlet pressure, a substantially constant pump discharge pressure, and a substantially constant total volume of the first chambers.



0) US2011081496A – PERFLUOROPOLYETHER COATING COMPOSITION FOR HARD...

2) Family number: 48147546 (US2011081496A) © PatBase

Title: PERFLUOROPOLYETHER COATING COMPOSITION FOR HARD SURFACES

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): 3M INNOVATIVE PROPERTIES COMPANY ; MILAKS KHOLDING SA ; PETER FORSELL

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Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; FETHERSTONHAUGH AND CO; KILBURN AND STRODE LLP; HOEGLUND LARS; HERZOG FIESSER AND PARTNER; CARPINTERO MARIO; YAMAKAWA MASAKI; KENT S; BERGENSTRAHLE AND LINDVALL AB; KOKKO KENT S 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

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US class: 1/1 106/287.11 106/287.16 425/2 425/2S 427/387 427/387P 428/447 524/263 524/263S 524/858 524/869 604/131 604/131S 604/151 604/151P 604/175 604/175S 604/257 604/257S 604/264 604/264P 604/264S 606/80 606/80P 606/80S 606/86.00RP 606/86R 623/14.12 623/14.120P 623/16.11 623/18.11 623/18.110P 623/20.14 623/20.31 623/20.310P 623/20.35 623/20.350P 623/22.11 623/22.110P 623/22.12 623/22.15 623/22.150P 623/22.21 623/22.4 623/22.400P 623/23.11 623/23.110P 623/23.12 623/23.120P 623/23.13 623/23.14 623/23.140P 623/23.42 623/23.420P

Classification Explorer

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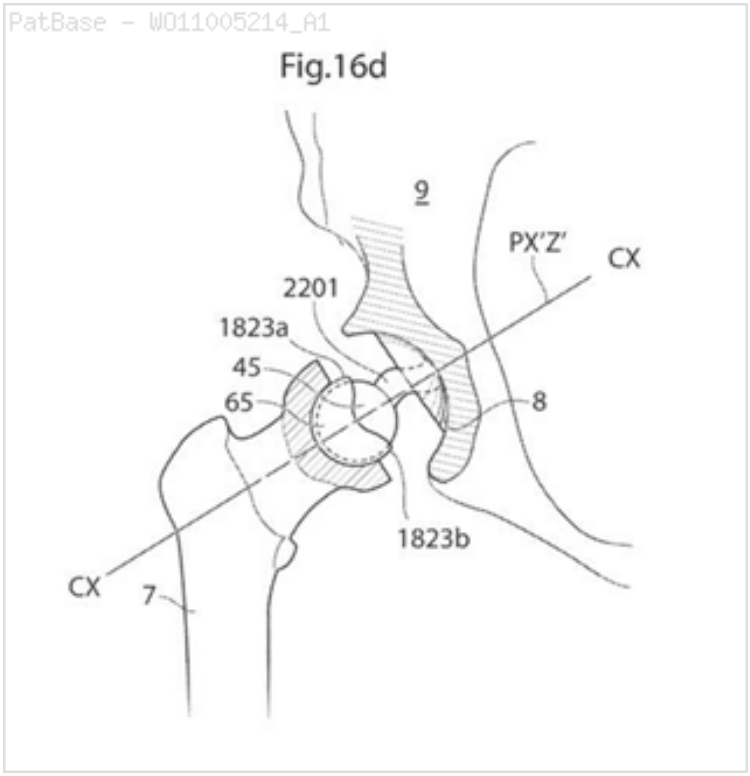
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Forward Citations: WO16101184, WO15006937, WO14159561, WO13126208, WO13119779, WO12093140, US9597187, US9579324, US9566157, US9512107, US9492184, US9474779, US9474613, US9445905, US9434979, US9427321, US9421051, US9419250, US9353646, US9351840, US9340705, US9308094, US9296918, US9237949, US9226830, US9204971, US9144796, US9132015, US9119724, US9107754, US9095438, US9089432, US9039661, US9023112, US9005307, US8992627, US8920510, US8883438, US8853294, US8845743, US8840676, US8764836, US8639353, US8545255, US8540779, US8313531, US2016250485, US2016022255, US2015261922, US2015217123, US2015094727, US2015094726, US2015073489, US2015039095, US2014277558, US2014242343, US2014187666, US2014128988, US2014102651, US2014074250, US2013136928, US2012302962, US2012265318, US2012239160, US2012221115, US2012130504, US2012109327, US2012083896, US2012045918, US2011320005, US2011218638, US2011218637, US2011190061, US2011152868, RU2611950, JP2015511174, JP2014531915, JP2014529463, JP2014515280, JP2014021316, JP2013521864, JP2013091790, JP2012532663, JP2011143070, ES2563877, EP3053547, EP2949714, EP2750633, EP2741714, EP2741714, EP2663091, EP2623050, DE102014008310, CN103906482, CN103275802, CN103239260, AU2013362290, AU2012249145,

Abstract:
Source: US2011081496A A composition and method of treating substrates, in particular substrates having a hard surface such as ceramics, metal or glass, to render them water, oil, stain, and dirt repellent is described.



0) US2004069496A – WELLBORE ISOLATION APPARATUS, AND METHOD FOR TR...

3) Family number: 30898896 (US2004069496A) © PatBase

Title: WELLBORE ISOLATION APPARATUS, AND METHOD FOR TRIPPING PIPE DURING UNDERBALANCED DRILLING

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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International class (IPC 8–9): E21B17/00 E21B17/06 E21B17/07 E21B21/08 E21B21/10 E21B23/00 E21B23/01 E21B23/04 E21B23/06 E21B29/06 E21B33/04 E21B33/068 E21B33/10 E21B33/127 E21B33/1295 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B34/16 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/022 E21B47/024 E21B47/06 E21B47/09 E21B47/10 E21B47/12 E21B47/13 E21B47/14 E21B49/08 E21B7/04 E21B7/06 E21B7/20 G01F1/00 G01F1/74 G01V1/18 G01V1/40 G01V1/52 G01V8/02 G09F3/20 H01Q1/04 (Advanced/Invention); E21B21/00 E21B34/00 E21B40/00 E21B43/00 (Advanced/Non–invention); E21B17/02 E21B21/00 E21B23/00 E21B29/00 E21B33/03 E21B33/10 E21B33/12 E21B34/00 E21B41/00 E21B47/00 E21B47/10 E21B47/12 E21B7/04 E21B7/20 (Core/Invention); E21B21/00 (Core/Non–invention)

International class (IPC 1–7): B21D17/04 E21B E21B21/08 E21B21/10 E21B33/038 E21B33/04 E21B33/068 E21B33/10 E21B33/12 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/06 E21B47/12 E21B49/00 G01F1/66

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Classification Explorer

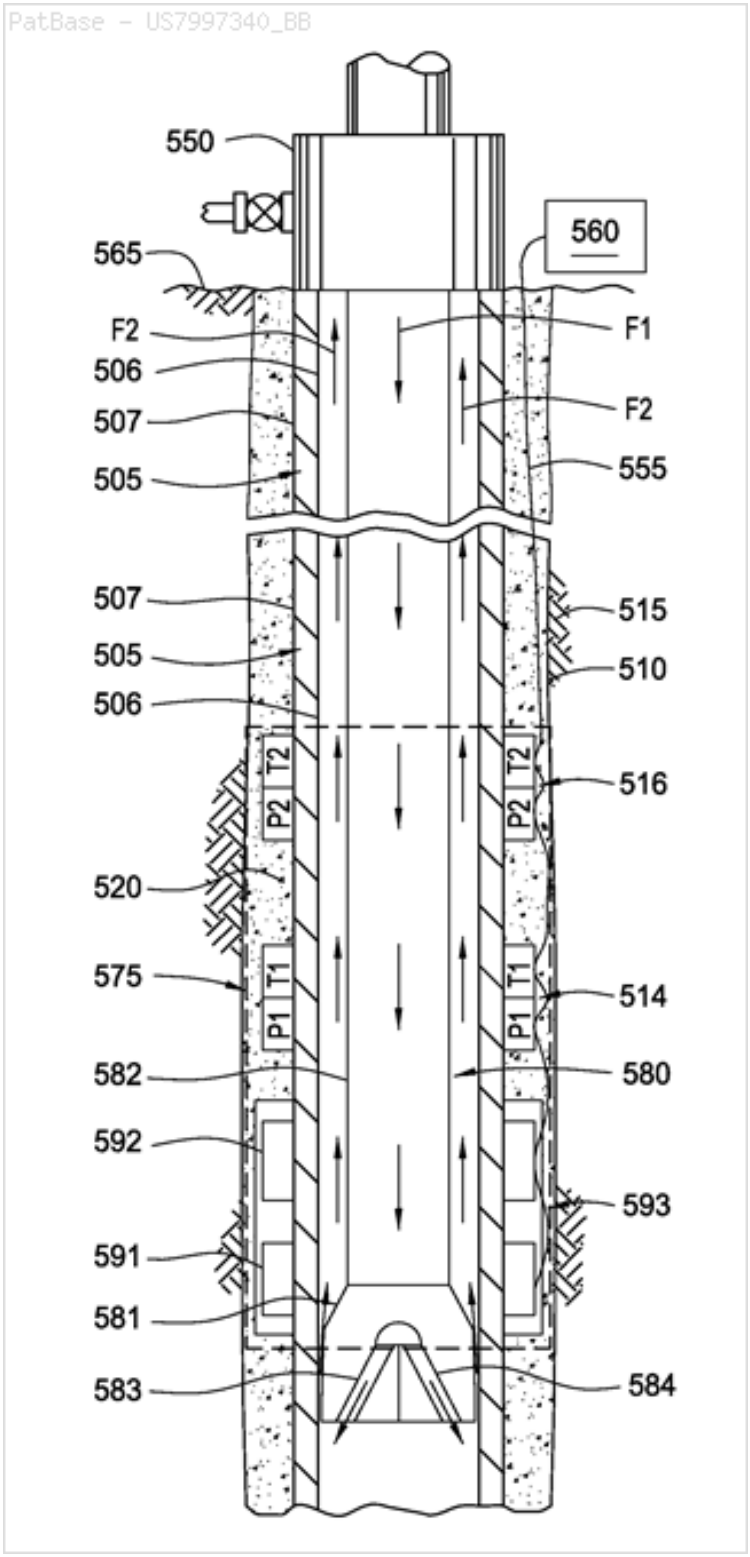
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Abstract:
Source: US2004069496A The present invention relates to an apparatus and method for isolating a wellbore condition such as formation pressure during a wellbore operation. The invention has particular application in connection with underbalanced drilling. In one arrangement, a formation isolation apparatus is provided that serves as a selectively actuatable plug. The plug in one aspect is selectively set and released by a setting/releasing tool. The setting/releasing tool includes a system for setting the plug in the wellbore, and a system for releasing the plug from the wellbore. The setting/releasing tool is releasably connected to the plug. Thus, after the plug has been set, the setting/releasing tool may be removed from the wellbore. The plug includes a flapper valve that is restrained in its open position by the setting/releasing tool. Removal of the setting/releasing tool from the wellbore allows the flapper valve to close, thereby isolating pressures in the wellbore below the flapper valve. The plug is wireline retrievable. In another aspect, a formation isolation apparatus is provided for use during sidetrack drilling operations. The sealing element is movable from a first released position below the lateral wellbore, to a set position above the lateral wellbore.



0) US2010034670A – HYDRO COLUMN

4) Family number: 34373714 (US2010034670A) © PatBase

Title: HYDRO COLUMN

Priority: GB20070001384 20070125 GB20080018802 20070125 GB20090001552 20070125 WO2007GB04366 20071113 US20120647578 20121009 US20090524441 20090724

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: DARTMOUTH WAVE ENERGY LTD

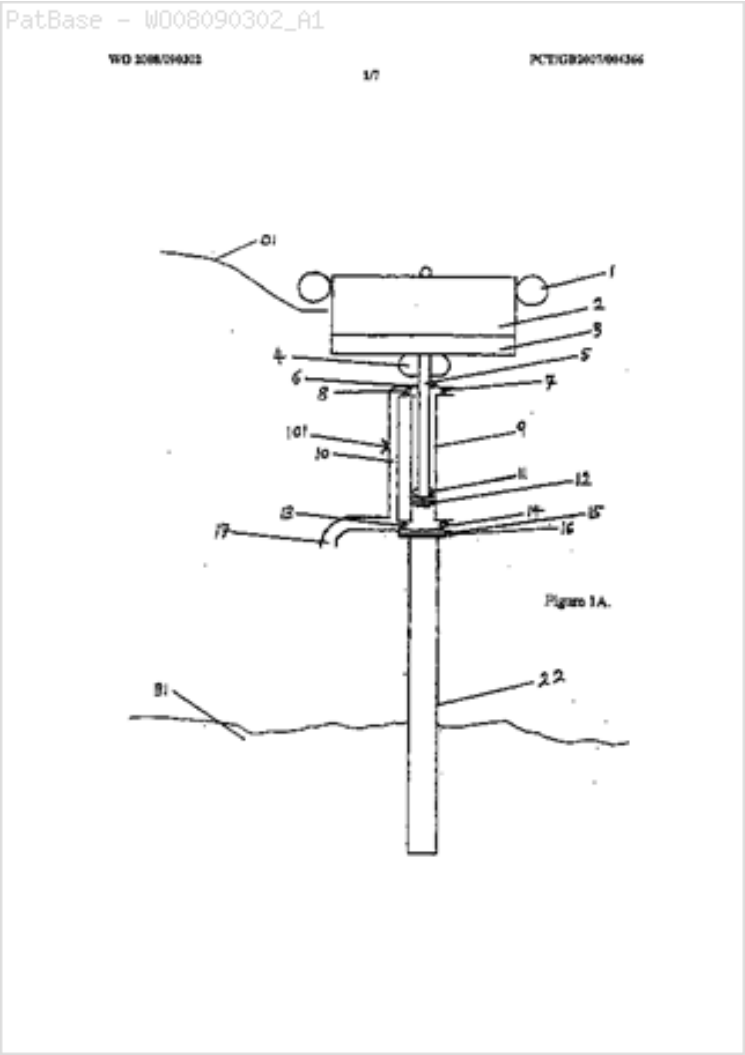
Assignee(s):(std)**:** DARTMAUT UEHJV EHNERDZHI LTD ; DARTMOUTH WAVE ENERGY LIMITED ; DARTMOUTH WAVE ENERGY LTD ; DARTMOUTH WAVE ENERGY LTD GB ; SMITH ALVIN

Assignee(s): ALVIN SMITH

Inventor(s):(std)**:** ALVIN SMITH ; DARTMOUTH WAVE ENERGY LIMITED ; DARTMOUTH WAVE ENERGY LTD ; SMIT EHLVIN ; SMITH ALVIN

Agent(s):	CHRYSILIOU IP; FASKEN MARTINEAU DUMOULIN LLP; KENT PETER JOSEPH; KITAMURA SHUICHIRO; DINSMORE AND SHOHL LLP
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):	F03B13/14 F03B13/18 F03B17/02 F04B17/00 F04B17/05 F04B35/02 F16K31/36 (Advanced/Invention); F03B13/00 F03B17/00 F04B17/00 (Core/Invention); F03B (Subclass/Invention)
International class (IPC 1–7):	F03B13/18
CPC:	Y10T137/428 F03B13/187 F05B2240/915 Y02E10/38
European class:	F03B13/18D10 R05B240/915 Y02E10/38
US class:	137/243 290/53 290/53S 417/331 417/331S 417/337 417/53 417/53P 60/497
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Abstract:
Source: US2010034670A A Self Priming Gravity Wave Water Pump, Double Acting, vertically Self Adjusting incorporating a Submerged Column Platform as shown in Fig. 4A, the submerged column platform (22) can be tethered (28) or secured by a pivot to a weight (29) or fixed into the water bed (31). The column (22) can be incorporated into an additional submerged water filled column chamber (23), to operate as a hydraulic tidal adjustable column platform. The Gravity Wave Pump (9) is a wave energy converter using wave energy in the form of wave motion to displace a float (2), to lift the pumps reciprocating piston (12) and uses gravity, causing a weight (3) to push a piston down as the wave passes. The pump could pressurise piped water to a head of up to 100 metres or more and could pump pressures in excess of 150 pounds per square inch when adjusted accordingly.



0) US2007203727A – EMERGENCY SUPPLIES PRE–POSITIONING AND ACCESS C...

5) Family number: 40797636 (US2007203727A) © PatBase

Title: EMERGENCY SUPPLIES PRE–POSITIONING AND ACCESS CONTROL METHOD

Priority:

US20060279333 20060411 US20060361247 20060224 US20060381265 20060502
US20060381257 20060502 US20060381247 20060502 US20060379929 20060424
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: SOVEREIGN DEED LLC

Assignee(s):(std)**:** BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s):(std)**:** BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H 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 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): A01B71/06 A45F5/00 A47F1/04 A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00 G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59 H04L9/00 H04M11/04 (Advanced/Invention); G06Q90/00 (Advanced/Non–invention); A01B71/00 A45F5/00 A47F1/00 A61B17/32 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/00 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/16 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04L9/00 H04M11/04 (Core/Invention)

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US class: 141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1 250/519.1 345/85P 379/37 379/37P 434/236 434/236S 455/3.01 455/3.010 52/169.6 52/3 52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S 600/300 600/300P 701/23 705/1 705/1.1 705/1.100P 705/14.16 705/14.160P 705/14.19 705/14.190S 705/14.27 705/14.270S 705/14.28 705/14.280S 705/14.31 705/14.310S 705/14.33 705/14.330S 705/2 705/26.8 705/2P 705/314 705/314P 705/325 705/325S 705/400 705/400P 705/5 705/500 705/500P 705/52 705/52P 705/5P 705/75 705/75S 707/802 707/802S 707/E17.005 707/E17.005S 726/2 726/2S 96/222 96/222P

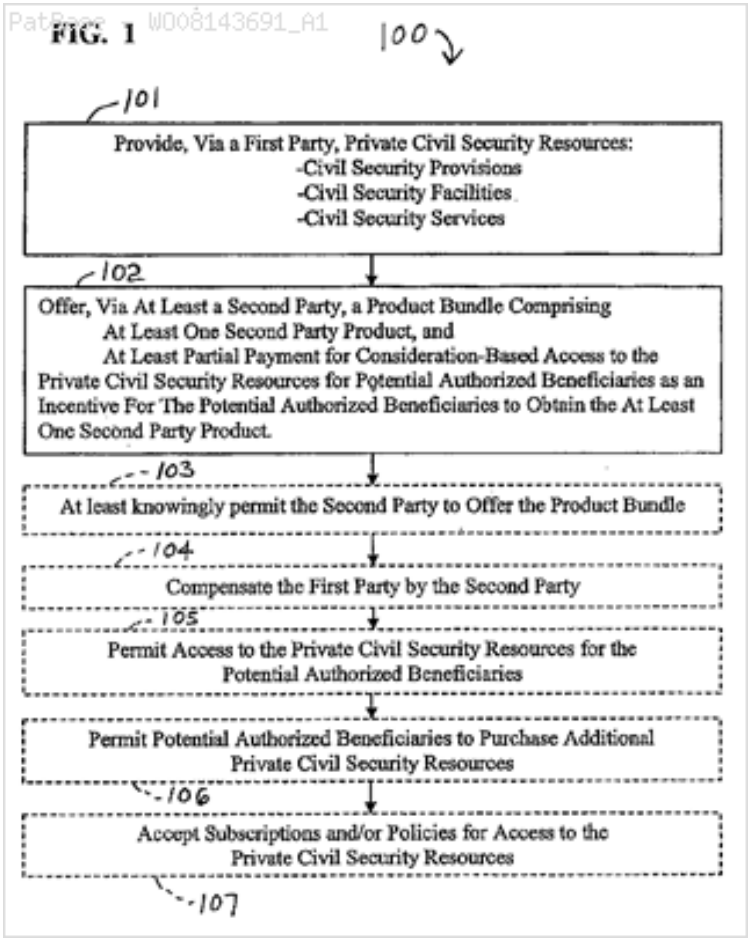
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Forward Citations: WO14098841, WO13028679, WO12154693, WO12154693, WO12135074, WO12135074, WO11140506, WO11140506, WO10093544, WO10044929, WO10044929, USD665551, US9597023, US9591452, US9585606, US9572002, US9554190, US9552611, US9531694, US9497610, US9489531, US9420219, US9413557, US9407492, US9372544, US9357485, US9345369, US9254363, US9247408, US9247286, US9245440, US9204138, US9183597, US9154901, US9154837, US9143770, US9125987, US9124885, US9113190, US9100685, US9093755, US9078610, US9061102, US9044543, US9037648, US8995946, US8984647, US8959541, US8954571, US8933393, US8898687, US8879242, US8825242, US8800215, US8797719, US8792227, US8760859, US8760395, US8754980, US8643772, US8642900, US8639620, US8637842, US8635637, US8620113, US8607353, US8599576, US8599537, US8548911, US8547710, US8521557, US8486275, US8408957, US8402081, US8392375, US8366997, US8254090, US8154899, US8032075, US8014733, US7920060, US7791474, US2016050191, US2015178669, US2015157972, US2015154709, US2015111552, US2015040215, US2014278801, US2014208499, US2014191704, US2014067167, US2014067160, US2014067159, US2014032704, US2013332209, US2013305384, US2013254096, US2013242840, US2013047521, US2013006401, US2012282829, US2012264394, US2012251388, US2012222367, US2012191242, US2012140431, US2012066051, US2012030767, US2011313832, US2011298967, US2011208010, US2011173045, US2011161121, US2011157326, US2011088940, US2011058664, US2011058312, US2010305794, US2010292844, US2010241616, US2010223623, US2010223093, US2010202924, US2010202171, US2010177599, US2010100399, US2010082459, US2010049803, US2010023952, US2009326978, US2009247850, US2009233637, US2009216639, US2009151186, US2009125361, US2009030825, US2008281710, US2008205695, US2008204226, US2008201291, US2008097935, US2007115097, ITAN20130055, CN103544380, CN102323853,

Abstract:
Source: US2007203727A One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event–based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.



0) US2002023579A – HIGH SPEED ELECTRIC WATERCRAFT

6) Family number: 32438426 (US2002023579A) © PatBase

Title: High speed electric watercraft

Priority:
CA20002298957 20000215 US19980076002P 19980226 US20000254786P 20001213
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: MARUTA ELECTRIC BOATWORKS LLC

Assignee(s):(std): MARUTA ELECTRIC BOATWORKS ; MARUTA ELECTRIC BOATWORKS L L ; MARUTA ELECTRIC BOATWORKS LLC ; MOTSENBOCKER KAYO ; MOTSENBOCKER MARVIN ; MARUYAMA KAYO ; PROFITT JAMES ARTHUR ; PEEK JOSEPH TIMOTHY ; MOTSENBOCKER MARVIN ANDREW ; HINKELMANN KLAUS ; MOTSENBOCKER MARVIN A

Assignee(s): KAYO MOTSENBOCKER ; MURATA ELECTRIC BOATWORKS LLC ; MOTSENBOCKER MARVIN MOTSENBOCKER KAYO ; MARVIN MOTSENBOCKER ; MARUTA ELECTRIC BOATWORKS L L C

Inventor(s):(std): MOTSENBOCKER MARVIN ANDREW ; PEEK JOSEPH TIMOTHY ; PROFITT JAMES ARTHUR ; MOTSENBOCKER MARVIN A ; MOTSENBOCKER MARVIN ; MOTSENBOCKER KAYO

Inventor(s): MARVIN MOTSENBOCKER ; MARVIN ANDREW MOTSENBOCKER ; KAYO MOTSENBOCKER

Agent(s): PAT DONOGHUE

International class (IPC 8–9): B63B1/10 B63B1/12 B63B1/14 B63B43/04 B63B43/18 B63H1/18 B63H1/28 B63H20/36 B63H21/17 B63H21/22 B63H5/16 G01S15/04 G01S15/87 G01S15/88 G01S7/521

H03K17/945 (Advanced/Invention);
B63B1/10 B63B39/00 B63H23/24 (Advanced/Non–invention);
B63B43/00 B63H1/00 B63H20/00 B63H21/00 B63H5/00 G01S15/00 G01S7/521
H03K17/94 (Core/Invention);
B63H23/00 (Core/Non–invention)

International class (IPC 1–7): B60L11/02 B63B1/00 B63B1/10 B63B1/12 B63B35/73 B63B43/04 B63H21/17 B63H21/22 G08B23/00 H02P5/46

CPC: B63B1/107 B63B1/12 B63B43/04 B63H21/17 Y02T70/5209 Y02T90/46 B63B1/125 B63H1/18 B63H1/28 B63B1/14 B63B39/005 B63H5/165 B63H21/22 B63H23/30 H03K17/945 B63H23/32 B63B43/18 B63H20/36 B63H23/24 G01S7/521 G01S15/04 G01S15/87 G01S15/88

European class: B63B1/10C B63B1/12 B63B1/12M B63B1/14 B63B43/04 B63B43/18 B63H1/18 B63H1/28 B63H20/36 B63H21/17 B63H21/22 B63H23/30 B63H23/32 B63H5/16G G01S15/04 G01S15/87 G01S15/88 G01S7/521 H03K17/945 L63B1/10C L63B39/00V L63H23/24 Y02T70/52B Y02T90/46

US class: 114/121 114/283 114/61.1 114/61.100P 114/61.12 114/61.120P 114/61.13 114/61.14 318/109 318/109P 340/979 340/984 340/995.27 440/1 440/2 440/49 440/6 440/63 440/6P 440/6S 440/71 440/76

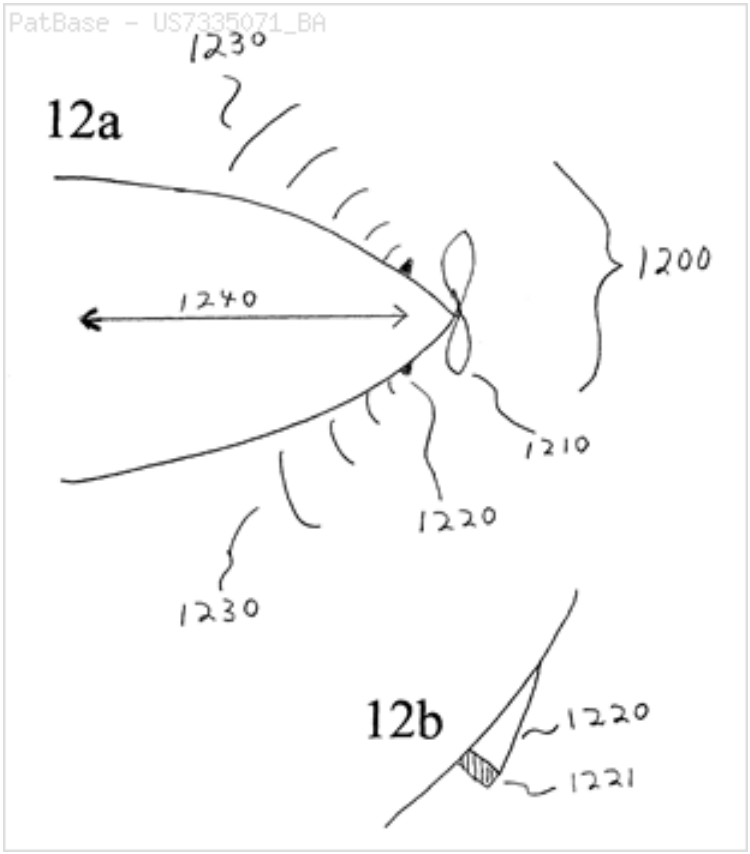
Classification Explorer

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Forward Citations: WO15123530, WO13127928, WO13113681, WO11069623, WO11069623, WO11045487, WO11038869, WO11038869, WO09124841, WO09021522, WO08155448, WO07089850, WO07089693, WO06119057, WO02068896, WO02068896, USRE44161, USD594491, US9577567, US9568527, US9559688, US9558667, US9548733, US9545987, US9531379, US9531184, US9520875, US9475548, US9469066, US9450530, US9447613, US9426739, US9415836, US9376196, US9337832, US9311204, US9287864, US9269268, US9230442, US9219472, US9209724, US9197206, US9188691, US9184745, US9165469, US9143126, US9136840, US9115435, US9104650, US9044759, US9037299, US9018892, US9008874, US9000903, US8989939, US8983739, US8983283, US8976034, US8965640, US8963379, US8930050, US8928266, US8870106, US8858281, US8851946, US8845490, US8836257, US8803711, US8783592, US8758069, US8757526, US8739717, US8723468, US8708260, US8690621, US8678305, US8676482, US8672247, US8636552, US8550387, US8511593, US8500049, US8497770, US8480443, US8476853, US8464767, US8454402, US8442699, US8430347, US8425662, US8424787, US8406944, US8403124, US8387589, US8382019, US8356207,

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Abstract:
Source: US2002023579A High speed electric watercraft of various configurations are provided that utilize at least one submerged enclosed hull containing an electric motor and at least one other parallel float positioned higher that the enclosed hull to provide buoyancy for a platform that can carry one or more individuals above a water surface. The watercraft optionally include features of (1) a rounded front end on the platform, (2) a platform length that is shorter than the float for stability against tipping, (3) entryways that do not require stepping over a vessel hull, (4) dimensions fore and aft that minimize spray onto the rear of the platform, (5) shock absorbers to provide a smoother ride, and (6) adjustable struts that connect floats with the platform to allow control of the platform height above the water surface. These and other features are made possible by a fast electric design that avoids certain problems of vessel type watercraft.



0) US4583592A – WELL TEST APPARATUS AND METHODS

7) Family number: 1966870 (US4583592A) © PatBase

Title: WELL TEST APPARATUS AND METHODS

Priority: AU19850041737 19850426 CA19850477297 19850322 GB19850010483 19850425 US19840604502 19840427

Family:

Publication number	Publication date	Application number	Application date
AU198541737 A1	19851031	AU19850041737	19850426
AU198816492 A1	19880804	AU19880016492	19880520
AU198816493 A1	19880811	AU19880016493	19880520
AU577368 B2	19880922	AU19850041737	19850426
AU586140 B2	19890629	AU19880016493	19880520
AU595708 B2	19900405	AU19880016492	19880520
CA1232835 A1	19880216	CA19850477297	19850322
GB2158128 A1	19851106	GB19850010483	19850425
GB2158128 B2	19880720	GB19850010483	19850425
GB2192652 A1	19880120	GB19870019783	19870821
GB2192652 B2	19880720	GB19870019783	19870821
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SG8990226 A	19890714	SG19890090226	19890411
SG8990231 A	19890714	SG19890090231	19890411
SG8990237 A	19890714	SG19890090237	19890411
US4583592 A	19860422	US19840604502	19840427

Probable Assignee: HALLIBURTON CO

Assignee(s):(std)**:** OTIS ENG CO ; OTIS ENG CORP ; OTIS ENG CORPN

Assignee(s): OTIS ENGINEERING CORP ; SIZER PHILLIP S ; GAZDA IRME I ; HALLIBURTON CO

Inventor(s):(std)**:** GAZDA IMRE I ; GAZDA IRME I ; SIZER PHILLIP S ; GAZDA IMRE IWAN

Inventor(s): IMRE IWAN GAZDA ; IRME I GAZDA ; PHILLIP S SIZER

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RICHES MCKENZIE AND HERBERT LLP

International class (IPC 8–9)**:** E21B23/00 E21B23/02 E21B34/14 E21B47/06 E21B49/08 (Advanced/Invention); E21B23/00 E21B34/00 E21B47/06 E21B49/00 (Core/Invention)

International class (IPC 1–7)**:** E21B23/02 E21B34/14 E21B43/12 E21B47/06

CPC: E21B23/006 E21B23/02 E21B34/14 E21B47/06 E21B49/087

European class: E21B23/00M E21B23/00M2 E21B23/02 E21B34/14 E21B47/06 E21B49/08 E21B49/08T

US class: 166/116 166/142 166/240 166/242 166/250 166/250.07 166/332 166/332.5 166/385 166/386

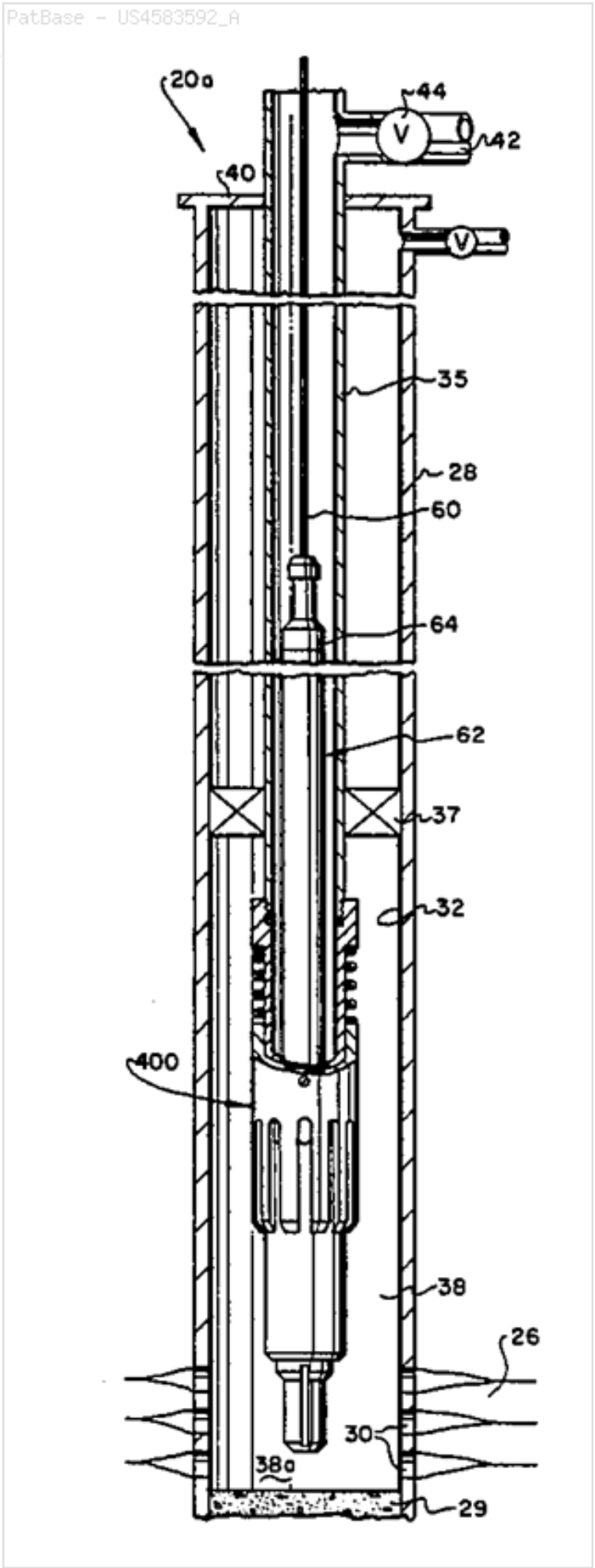
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Cited documents: US4583592 A, US4508174 A, US4420044 A, US4373583 A, US4252195 A, US4159643 A, US4149593 A, US4134452 A, US4083401 A, US4051897 A, US3552718 A, US3472070 A, US31313 A,

Forward Citations: WO8805110, US9234397, US8950517, US8701799, US8528664, US8522897, US8499857, US8408336, US8365608, US8360174, US8316964, US8307919,

US8297378, US8297375, US8281882, US8267196, US8225883, US8020471, US8011457, US7967083, US7954401, US7866416, US7426968, US7350569, US7325620, US7204309, US7080552, US5808192, US5456316, US5389003, US5379839, US5318120, US5167278, US4997384, US4964460, US4921438, US4844160, US4842064, US4830107, US4790378, US4782897, US4781250, US4750560, US4727939, US4669537, US2012186804, US2010236352, US2010108385, US2010065334, US2010044109, US2010000794, US2008099243, US2007229232, US2007114061, US2005274518, US2005263295, US2005072565, US2004011525, FR2609103, FR2609102, AU586140, AU577368,

Abstract:
Source: US4583592A A well test tool for closing a well at a downhole location below the well packer and near the formation to be tested, the apparatus being openable and closable from the surface by tensioning and relaxing the cable or wire line on which it is lowered into the well, the test tool having a lock mechanism which locks automatically upon entering its landing receptacle in the well and is further provided with a releasing mechanism for unlocking the test tool automatically after a present number of open/close cycles have been performed. A bypass landing receptacle is provided which permits high rates of flow during testing. A modified bypass landing receptacle is provided to permit use of the apparatus above the well packer, as in wells having an existing packer therein. Methods of testing wells are also disclosed.



0) US2002189612A – MEDICAMENT DISPENSER

8) Family number: 33096689 (US2002189612A) © PatBase

Title: MEDICAMENT DISPENSER

Priority:

EP20010988602	20010926	EP20010992592	20011019	GB19990029281	19991211
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Family:

Publication number	Publication date	Application number	Application date
AR026914 AA	20030305	AR2000P106510	20001207
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WO0236188 A3	20020711	WO2001EP12106	20011019	
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Probable Assignee: GLAXO GROUP LTD

Assignee(s):(std)**:** DAVIES MICHAEL BIRSHA ; FARR PHILIP WILLIAM ; GLAXO GROUP LTD ; JONES ANTHONY PATRICK ; ROBERTSON DUNCAN ; HARVEY STEPHEN JAMES ; RAND PAUL KENNETH ; ANDERSON GREGOR JOHN MCLENNAN ; BONNEY STANLEY GEORGE ; GLAXO GROUP RES LTD ; SMITHKLINE BEECHAM CORP

Assignee(s): RAND PAUL KENNTH ; GLAXO GROUP LTD GREENFORD ; SMITH KLINE BEECHAM CORP ; DAVIES MICHAEL BIRSBA ; GLAXO GROUP RESEARCH LTD

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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 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

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US class: 128/200.14 128/200.23 128/202.22 128/203.12 128/203.15 128/203.21 128/203.23 128/203.27 206/531 221/25 221/71 604/186 604/58 604/59

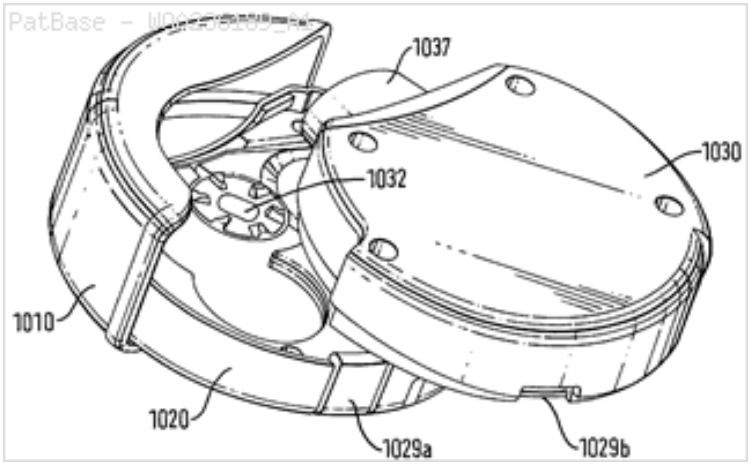
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Abstract:
Source: US2002189612A There is provided a medicament dispenser having a body, a medicament container, dose−liberating means, an energy store for actuating said dose−liberating means and trigger means for directly or indirectly releasing the energy store, wherein the trigger means comprises a trigger coupling. The coupling is reversibly deformable in response to the application of non−mechanical energy thereto. The non−mechanical energy may comprise heat energy, electrical current energy, electrical field energy or magnetic field energy.



0) US2003066538A – SURGICAL SENSOR

9) Family number: 15316254 (US2003066538A) © PatBase

Title: SURGICAL SENSOR

Priority:

EP20040024680 20041015 EP20060116892 20060710 US19990428721 19991028
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Family:

Publication number	Publication date	Application number	Application date
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Agent(s): EDLUND FABIAN; AWAPATENT AB; HARNESS DICKEY AND PIERCE PLC; HARNESS DICKEY; WARNER RICHARD W 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 YU ZA ZM ZW

International class (IPC 8–9): A61B17/00 A61B17/34 A61B19/00 A61B5/00 A61B5/05 A61B5/06 A61B5/103 A61B90/00 A61M25/00 H01F41/04 H01F7/06 (Advanced/Invention); A61B17/00 A61B17/34 A61B19/00 A61M25/00 (Advanced/Non–invention); A61B5/05 A61M25/00 (Core/Invention)

International class (IPC 1–7): A61B19/00 A61B5/05 A61B5/06

CPC: A61B6/4423 A61B5/062 Y10T29/4902 Y10T29/49071 Y10T29/49073 Y10T29/4913 Y10T29/49146 Y10T29/49171 A61B8/4245 A61B5/4504 A61B5/4528 A61B5/7285 A61B6/12 A61B6/4405 A61B6/4441 A61B6/541 A61B8/543 A61B17/3421 H01F2005/027

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European class: A61B19/52 A61B19/52H12 A61B19/54 A61B5/06 K61B17/00H K61B17/00K K61B17/15 K61B17/34G4 K61B17/72 K61B17/92B K61B19/50B4 K61B19/50D K61B19/52H10 K61B19/52H12 K61B19/52H12B4 K61B19/52H12D K61B19/52H12D2 K61B19/52H12F K61B19/52H14 K61B19/52L2 K61B19/52L6 K61B19/54B6 K61B19/54L K61B19/54R K61B19/54T K61B19/54V K61B19/56F K61B5/45B K61B5/45K K61B5/72M8 K61B6/12 K61B6/44B K61B6/44J2B K61B6/54B K61B8/54B T01F5/02C

US class: 128/899 128/899S 128/899S 29/602.1 29/605 29/606 29/606P 29/832 29/841 29/855 336/176 336/200 336/212 336/228 336/229 336/232 600/407 600/409 600/414 600/423 600/423P 600/424 600/424P 600/425 600/426 600/431 600/433 600/434 600/434P 600/437 600/438 600/439 600/440 600/441 600/442 600/443 600/444 600/461 600/567 600/587 600/595 600/595P 606/130 606/130P 702/150 702/151 702/152 702/153 702/94 702/95

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Abstract:
Source: US2003066538A An integrated surgical anchor/localization sensor is disclosed. The anchor is adapted to be secured to an anatomical structure and contains a sensor housing. A receiver is located within the sensor housing and is adapted to sense reference signals generated by a surgical guidance system. A transmitter, connected to the receiver, conveys to a processor signals received by the receiver, so that the signals transmitted by the receiver are indicative of a current position of the anchor. Various other structures and methods are also disclosed.

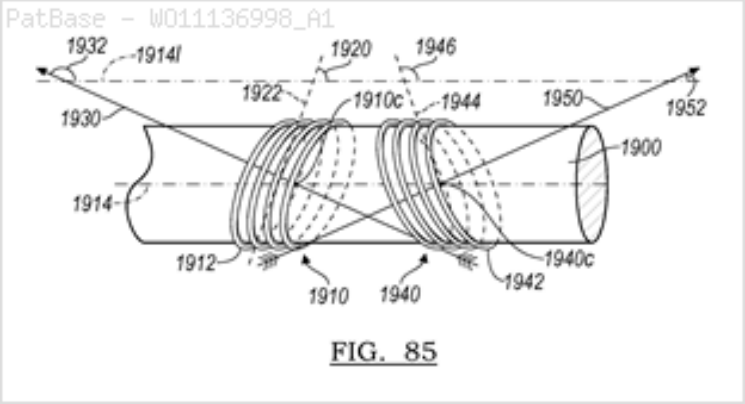


FIG. 85

0) US2014207231A – ANCHORING OF PROSTHETIC VALVE SUPPORTS

10) Family number: 56955052 (US2014207231A) © PatBase

Title: ANCHORING OF PROSTHETIC VALVE SUPPORTS

Priority: US20130756034P 20130124 US20130756049P 20130124 US20140161921 20140123 WO2014IL50087 20140123 US20140763004 20140123

Family:

Publication number	Publication date	Application number	Application date
EP2948103 A2	20151202	EP20140710060	20140123
US2014207231 AA	20140724	US20140161921	20140123
US2015351906 AA	20151210	US20140763004	20140123
WO14115149 A2	20140731	WO2014IL50087	20140123
WO14115149 A3	20141030	WO2014IL50087	20140123

Probable Assignee: MITRALTECH LTD

Assignee(s):(std)**:** MITRALTECH LTD

Inventor(s):(std)**:** HACOHEN GIL ; HACOHEN GILI ; HAMMER TAL ; HERMAN YARON ; KRUGLOVA NATALIA ; MILLER ERAN ; NEEMAN ROTEM ; REICH TAL ; ZIPORY YUVAL

Agent(s): EVENS PAUL JONATHAN; SANFORD T COLB AND CO 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)**:** A61F2/24 (Advanced/Invention)

CPC: A61F2/2427 A61F2220/0025 A61F2/2436 A61F2220/0075 A61F2250/0098 A61F2/2418 A61F2220/0016

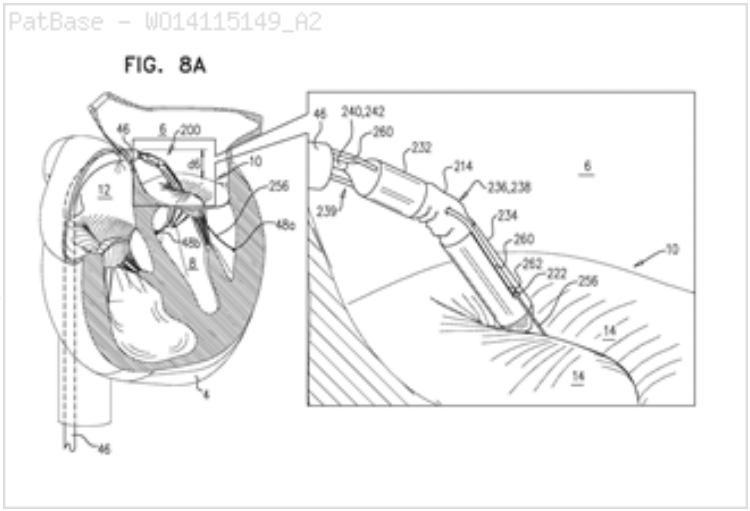
US class: 623/2.11 623/2.18

Classification Explorer

Cited documents: WO13078497 A1, WO10006627 A1, US2012310328 AA, US2012022639 AA, EP1264582 A2,

Forward Citations: WO16016899, US9592122, US9579193, US9566152, US9561104, US9526613, US9498332, US9427316, US9427315, US9421094, US9387078, US2015182336, US2014257475, US2014018906,

Abstract:
Source: US2014207231A Apparatus is provided, including: (1) a delivery tube, transluminally advanceable to the heart of the subject; (2) a prosthetic valve support, configured to support a prosthetic valve at a native valve of the heart, and including an upstream support portion, the upstream support portion: (A) having a working configuration in which it is generally annular and (B) having a delivery configuration in which it defines a channel, and is configured to be disposed within the delivery tube; (3) a tissue anchor, slidable through the channel; and (4) an anchor driver. The anchor driver is slidable within the delivery tube and the channel, and configured to anchor the upstream support portion to tissue of the heart by driving the tissue anchor through the upstream support portion and into the tissue, while at least part of the upstream support



portion is disposed within the delivery tube.

0) US4404521A – PILFER PROOFING SYSTEM AND METHOD FOR ELECTRIC ...

11) Family number: 3852839 (US4404521A) © PatBase

Title: Pilfer proofing system and method for electric utility meter box

Priority: US19800179205 19800818 US19830526236 19830825 US19870098699 19870918 US19850694368 19850124 US19880162517 19880301

Family:

Publication number	Publication date	Application number	Application date
US4404521 A	19830913	US19800179205	19800818
US4505530 A	19850319	US19830526236	19830825
US4615113 A	19861007	US19850694368	19850124
US4872847 A	19891010	US19880162517	19880301

Probable Assignee: FENNEL ROBERT B

Assignee(s):(std)**:** FENNEL ROBERT B ; FENNELL ROBERT B ; FRITTS DAVID H ; LEGASSE DAVID S

Inventor(s):(std)**:** FENNEL ROBERT B ; FENNELL ROBERT B ; FRITTS DAVID H ; LEGASSE DAVID S

International class (IPC 8–9)**:** G01R11/04 G01R11/24 (Advanced/Invention); H01R13/443 (Advanced/Non–invention); G01R11/00 (Core/Invention); H01R13/44 (Core/Non–invention)

International class (IPC 1–7)**:** G01R1/04 G01R11/24 H01R13/44 H01R13/52 H01R43/00

CPC: G01R11/04 G01R11/24 H01R13/443 Y10T29/49204 Y10T29/49716 Y10T29/49826 Y10T29/49892 Y10T29/49904

European class: G01R11/04 G01R11/24 T01R13/443

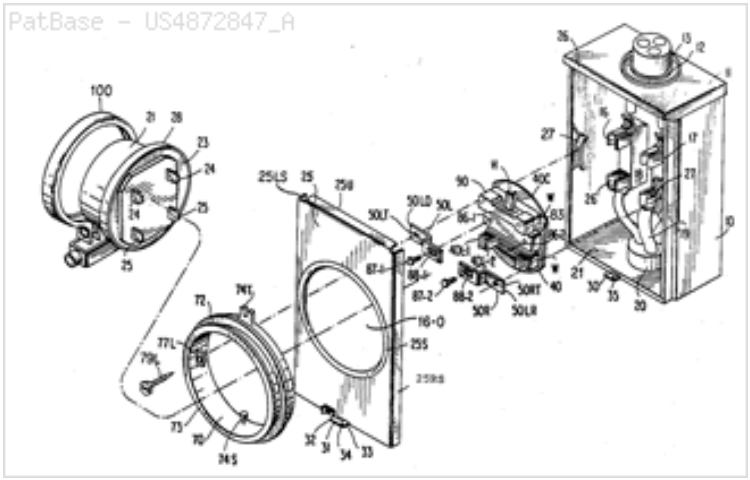
US class: 174/50 174/5R 29/401.1 29/428 29/462 29/469 29/874 324/110 324/156 339/38 361/369 361/664 439/133 439/148 439/638

Classification Explorer

Cited documents: US4509258 A, US4404521 A, US4368943 A, US4314738 A, US4180303 A, US4175813 A, US4121147 A, US4090769 A, US4052118 A, US3744010 A, US3681741 A, US3614708 A, US3152857 A, US3076953 A, US2359628 A, US2105884 A, US2071936 A, US1986269 A, US1934498 A, GB935829 A, GB355201 A, GB212377 A, FR1034975 A, CH90398 A,

Forward Citations: WO9712206, WO07095394, WO07095394, USRE36841, USRE35260, USD527295, US9404944, US9397484, US9160127, US8791833, US8702455, US8631955, US8547686, US8218295, US8008576, US7642454, US7599173, US7517235, US7479029, US7435902, US7367848, US7312395, US7199572, US7176376, US7068184, US7040921, US6945813, US6921290, US6847300, US6614219, US6529883, US6498717, US6421230, US6266233, US6259596, US6254437, US6104601, US6044551, US5727110, US5448818, US5385486, US5244399, US5039936, US5006076, US4906059, US4872847, US4747016, US4720675, US2015325342, US2014187071, US2014029169, US2013263430, US2013023133, US2012312704, US2012140381, US2011131793, US2010300009, US2010128418, US2009201633, US2009050344, US2008253063, US2008238111, US2007251713, US2007218722, US2006285281, US2006245148, US2006234551, US2006217007, US2005239325, US2005227532, US2005224250, US2005202715, US2005104575, GB2455808, GB2455808, CN102508196, CN102116781,

Abstract:
Source: US4404521A A pilfer proofing system and method for electric meter boxes having a meter base box, which carries a plug−in terminal block set and a meter box cover having an opening through which a plug−in−meter passes to engage contact jaws or sockets the terminal block set. An anchoring bar is secured to the meter stops and a conventional meter locking collar is secured to the cover and the bridge of the locking collar is secured to the anchoring bar. Metal extension adaptors are secured to the meter blades for entering into the contact jaws or sockets of the terminal block set and a conventional locking ring is utilized to lock the meter in place on the added meter collar thereby providing a substantial obstacle to easy pilfering of electricity. A safety device constituted by a handle, a flexible insulating sheet and a set of nonconductive blades is inserted in the socket blades of the terminal block set and retained therein by friction covering up the hot or live terminals of the terminal block set with the flexible insulating sheet, and it is removed by grasping the handle and removing same.



0) US6125860A – WASHING CENTERS FOR MACHINERY

12) Family number: 30960616 (US6125860A) © PatBase

Title: Washing centers for machinery

Priority: ES19940002094 19941006 WO1995ES00110 19951006

Family:

Publication number	Publication date	Application number	Application date
AT190571 E	20000415	AT19950933440T	19951006
BRPI9506403 A	19970909	BR1995PI06403	19951006
CA2178101 AA	19960603	CA19952178101	19951006
DE69515635 D1	20000420	DE19956015635	19951006
DE69515635 T2	20001026	DE19956015635T	19951006
DK0733529 T3	20000821	DK19950933440T	19951006
EP0733529 A1	19960925	EP19950933440	19951006
EP0733529 B1	20000315	EP19950933440	19951006
ES2100811 AA	19970616	ES19940002094	19941006
ES2100811 BA	19971116	ES19940002094	19941006
GR3033589 T3	20000929	GR20000401284T	20000531
PT733529 T	20000831	PT19950933440T	19951006
US6125860 A	20001003	US19990225168	19990104
WO9611127 A1	19960418	WO1995ES00110	19951006

Probable Assignee: GOMEZ DE SEBASTIAN FERNANDO

Assignee(s):(std)**:** COMEZ DE SEBASTIAN FERNANDO ; DE SEBASTIAN FERNANDO GOMEZ ; FERNANDO COMEZ DE SEBASTIAN ; GOMEZ DE SEBASTIAN FERNANDO

Inventor(s):(std)**:** COMEZ DE SEBASTIAN FERNANDO ; SEBASTIAN FERNANDO COMEZ DE ; GOMEZ DE SEBASTIAN FERNANDO ; DE SEBASTIAN FERNANDO GOMEZ

Inventor(s): FERNANDO COMEZ DE SEBASTIAN

Agent(s): ROBIC

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

International class (IPC 8–9)**:** B60S3/04 G07F17/20 (Advanced/Invention); B60S3/04 G07F17/00 (Core/Invention)

International class (IPC 1–7)**:** B06S3/04 B08B13/00 B08B3/02 B60S3/04

CPC: B60S3/044 G07F17/20

European class: B60S3/04C G07F17/20

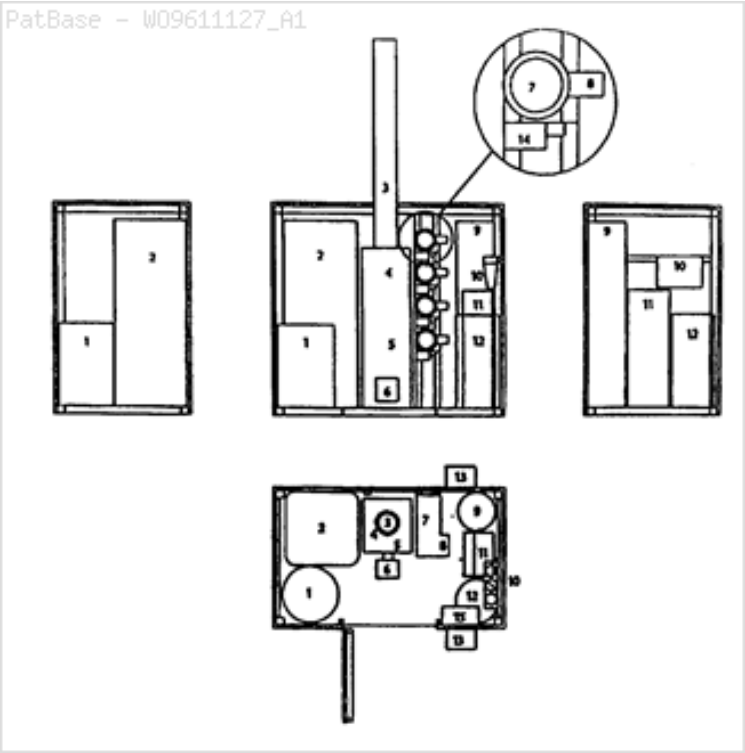
US class: 134/107 134/113 134/123 134/172 134/57R 134/58R 134/95.2 134/95.3 134/952 134/953 134/99.2 134/992

Classification Explorer

Cited documents: US5447574 A, US5413128 A, US5033489 A, US4998547 A, US4881581 A, US4880026 A, US3421526 A, US3400725 A, US3229703 A, GB2137149 A1, GB1121751 A, DE3814726 A1, DE1455518 A1, DE1455518, DE1455516 A1, CH456365 A, CH456365, BE646775 A,

Forward Citations: WO13064423, US7381279, US7322534, US7264678, US6869028, US6464063, US2003034051, US2002108640, ES2135298, EP2380789,

Abstract:
Source: US6125860A PLANT FOR WASHING MACHINERY, which is characterized by being a compact plant which includes a small engine room of approximately 9m3, inside which the different elements such as the following are housed: pressure pumps, electric motors, a diesel boiler, a hot water accumulator, a plant for osmotizing water, an electronic robot mechanism, an electric switchboard, fuel tanks, osmotized water tank, measurement pumps and auxiliary material. The washing liquids come out under pressure through hoses and reach a manual shuttle.



0) US2004074591A – APPARATUS FOR PRODUCING NON–WOVEN FABRIC

13) Family number: 20691056 (US2004074591A) © PatBase

Title: APPARATUS FOR PRODUCING NON–WOVEN FABRIC

Priority:

AU20000036925	20000110	AU20010040185	20000920	AU20030259657	20031104
AU20060220362	20060915	AU20030259657	20031104	AU20060220362	20060915
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CA20002355710	20000110	US19990115600P	19990112	US19990154717P	19990920
CA20002615794	20000110	EP20050014958	20000110	US20020088613	20020701
US20000088576	20000920	US20000869941	20000110	US20040918641	20040812
US20030621084	20030715	US20020869941	20020104	US20060403303	20060413
US20060352551	20060213	US20020088614	20020806	US19990155365P	19990620
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US20070851863	20070907	US20080180338	20080725	US20080271183	20081114
WO2000US00571	20000110	WO2000US25793	20000920	WO2000US25793	20000920
WO2000US25681	20000920	US20110295997	20111114	WO2000US25680	20000920

Family:

Publication number	Publication date	Application number	Application date
AT299796 E	20050815	AT20000965206T	20000920
AT311492 E	20051215	AT20000915694T	20000110
AT317328 E	20060215	AT20000963628T	20000920
AU200036925 A5	20000801	AU20000036925	20000110
AU200075957 A5	20010424	AU20000075957	20000920
AU200138869 A5	20010424	AU20010038869	20000920
AU200140185 A5	20010424	AU20010040185	20000920
AU2003259657 AA	20031127	AU20030259657	20031104
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AU2003271315 AA	20040129	AU20030271315	20031222
AU2006220362 AA	20061012	AU20060220362	20060915
AU2006220362 BB	20090903	AU20060220362	20060915
AU765624 B2	20030925	AU20000036925	20000110
AU766101 B2	20031009	AU20010040185	20000920
AU771592 B2	20040325	AU20000075957	20000920
AU773064 B2	20040513	AU20010038869	20000920
BRPI0007494 A	20011120	BR2000PI07494	20000110
BRPI0007494 B1	20101228	BR2000PI07494	20000110
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CA2383227 AA	20020308	CA20002383227	20000920
CA2383227 C	20090414	CA20002383227	20000920
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CA2384370 C	20090310	CA20002384370	20000920
CA2384372 AA	20020308	CA20002384372	20000920
CA2615794 AA	20000720	CA20002615794	20000110
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CN101929036 B	20130904	CN201010165729	20000110
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CN1343274 A	20020403	CN20008004890	20000110
CN1769562 A	20060510	CN200510118865	20000110
CN1769562 B	20100609	CN200510118865	20000110
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DE60025930 D1	20060420	DE20006025930	20000920	
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DK1274580 T3	20060612	DK20000963628T	20000920	
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EP1274558 B1	20050720	EP20000965206	20000920	
EP1274580 A1	20030115	EP20000963628	20000920	
EP1274580 B1	20060208	EP20000963628	20000920	
EP1274893 A1	20030115	EP20000963629	20000920	
EP1600544 A2	20051130	EP20050014958	20000110	
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EP1600544 B1	20131016	EP20050014958	20000110	
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JP2003509599 T2	20030311	JP20010524803T	20000920	
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Probable Assignee: HUNTER DOUGLAS INC

Assignee(s):(std)**:** COLSON WENDELL B ; DANN KEVIN ; HARTMAN DAVID ; HUNTER DOUGLAS IND BV ; HUNTER DOUGLAS ; HUNTER DOUGLAS INC ; SWISCZ PAUL ; SWISZCZ PAUL G ; SWISZCZ PAUL

Assignee(s): HUNTER DOUGLAS INC UPPER SADDLE RIVER ; HUNTER DOUGLAS INC PEARL RIVER ; WENDELL B COLSON ; HUNTER DOUGLAS IND

Inventor(s):(std)**:** D HARTMAN ; DAVID HARTMAN ; HARTMAN D ; HARTMAN W B COLSON P SWISCZ D ; KEVIN DANN ; P SWISCZ ; PAUL G SWISZCZ ; PAUL SWISCZ ; PAUL SWISZCZ ; SWISCZ P ; SWISZCZ PAUL ; WB COLSON ; WB COLSON P SWISCZ D HARTMAN ; WENDELL B COLSON ; SWISZCZ PAUL G ; SWISCZ PAUL ; HARTMAN DAVID ; DAVID COLSON WENDEL B SWISCZ P ; DANN KEVIN M ; DANN KEVIN ; SWISZCZ G ; HARTMAN DAVID P ; COLSON W B ; COLSON WENDEL B ; COLSON WENDELL B ; COLSON B

Inventor(s): COLSON WENDELL ; DAVID P HARTMAN ; COLSON WENDEL B WESTON ; W B COLSON P SWISCZ D HARTMAN ; W B COLSON ; HARTMAN DAVID FRAMINGHAM ; WENDEL B COLSON

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; COHAUSZ HANNIG BORKOWSKI WISSGOTT; SMITH SAMUEL LEONARD; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; DORSEY AND WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT; ERNEST V LINEK; DORSEY AND WHITNEY LLP, INTELLECTUAL PROPERTY DEPARTMENT; MERCHANT AND GOULD PC; DORSEY AND WHITNEY LLP; MERCHANT AND GOULD; MERCHANT GOULD

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): B29C39/00 B29C53/68 B29C53/74 B29C53/80 B29C69/00 B29C70/20 B29C70/22 B29C70/30 B29C70/32 B29C70/50 B30B15/34 B30B5/02 B30B5/06 B32B27/04 B32B27/12 B32B29/02 B32B31/00 B32B37/00 B32B37/10 B32B37/12 B32B5/08 B32B5/12 B32B5/26 B63H9/06 B65H51/005 B65H71/00 B65H81/00 B65H81/02 D02J1/18 D04H1/00 D04H17/00 D04H17/10 D04H3/00 D04H3/02 D04H3/04 D04H3/045 D04H3/05 D04H3/07 D04H3/08 D04H3/12 D06H7/08 H05K3/02 (Advanced/Invention);
B32B37/10 B65H71/00 D04H1/42 D04H17/00 D04H3/04 D04H3/12 H05K3/02 (Advanced/Non–invention);
B29C39/00 B29C53/00 B32B37/00 B32B5/08 B32B5/22 B65H81/00 D04H1/00 D04H3/00 D04H3/02 D04H3/08 D06H7/00 (Core/Invention);
H05K3/02 (Core/Non–invention)

International class (IPC 1–7): B05C1/00 B29C39/00 B29C53/80 B29C67/14 B29C69/00 B29C70/30 B29C70/50 B30B1/00 B30B15/34 B30B5/02 B30B5/04 B30B5/06 B32B27/12 B32B31/00 B32B31/20 B32B37/00 B32B5/26 B63H9/06 B65H54/00 B65H71/00 B65H81/00 B65H81/02 D04H1/42 D04H17/00 D04H3/02 D04H3/04 D04H3/07 D04H3/12 D06H7/08

CPC: Y10T428/24058 Y10T428/24091 Y10T156/1741 Y10T428/24 D02J1/18 B29C70/228 B63H2009/0678 Y10T156/1049 Y10T156/1051 Y10T156/1067 Y10T156/1087 Y10T156/1361 B29C2793/009 B29C53/8016 B32B5/26 B32B37/1027 B65H81/00 D04H3/04 D04H3/07 D04H3/12 D06H7/08 H05K3/022 Y10T428/24074 Y10T428/24116 Y10T428/24124 Y10T442/184 Y10T442/186 Y10T442/188 Y10T442/191 Y10T442/198 Y10T442/643 Y10T442/644 Y10T442/645 Y10T442/646

European class: B29C53/80B2 B29C70/22D B32B31/00A5C B32B37/10C B32B5/26 B65H81/00 D02J1/18 D04H3/04 D04H3/07 D04H3/12 D06H7/08 L29C793/00J L63H9/06D6 T05K3/02C

US class: 156/148 156/166 156/172 156/172S 156/174 156/175 156/176 156/177 156/178 156/181 156/181S 156/226 156/227 156/259 156/271 156/272.2 156/296 156/296S 156/308.2 156/425 156/426 156/428 156/431 156/431S 156/433 156/436 156/441 156/441S 156/443 156/443S 156/466 156/498 156/499 156/526 156/555 156/580 156/583.1 156/583.100S 156/583.5 28/101 28/101P 28/172.1 28/176 281/10 42/89.8 428/105 428/105P 428/107 428/107S 428/109 428/109P 428/109S 428/112 428/112S 428/113 428/113S 428/98

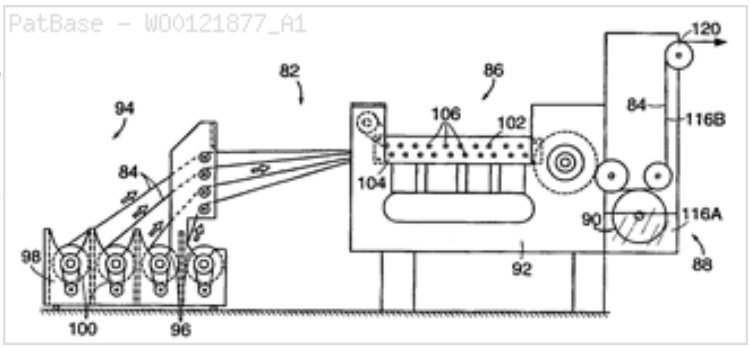
442/366 442/366S 442/367 442/367S 442/368 442/368S 442/369 442/369S 442/50 442/50S 442/51 442/51S 442/52 442/52S 442/54 442/54S 442/58 442/58S

Classification Explorer

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Abstract:
Source: US2004074591A An apparatus for applying weft yarns in a cross direction to warp yarns assembled on a beam in parallel aligned relationship and having an adhesive scrim thereon includes a supply roll of the warp yarns on such a beam which are fed downstream of the apparatus by first laying the warp yarns onto a transfer belt to reduce the tension in the yarns and controlling them for application of the weft yarns. A transfer belt and warp yarns are first folded between folding bars into a cylindrical configuration where they are formed around the perimeter of an elongated mandrel having a heated section at its upstream end and a cooling section at its downstream end. The adhesive scrim is softened as the warp yarns pass over the heated section of the mandrel and shortly thereafter, weft yarns are wrapped around the warp yarns and the supporting transfer belt within a rotating tube having a plurality of longitudinally and circumferentially spaced spools of weft yarn disposed on its outer surface. The yarns are fed upstream from the spool along the rotating tube on which they are mounted and pass through a tensioning apparatus to unify the tension in the various yarns running along the tube. The uniformly tensioned weft yarns pass through individual equally circumferentially spaced nozzles around the circumference of the rotating tube where the yarns are deposited onto a laydown ring having a sloped surface that urges the yarns downwardly so they are deposited around the cylindrical surface of the mandrel and onto the adhesive scrim on the outer surface of the warp yarns. After having been deposited on the warp yarns, the transfer belt moves the fabric having warp and weft yarns across the cooling section of the mandrel where the adhesive is set. Subsequently, a cutter severs the weft yarns in a longitudinal line along the bottom edge of the cylindrical fabric and a pair of unfolding rods move the transfer belt and fabric carried thereby from the cylindrical form in which the fabric was created to a flat sheet form. After flattened into elongated sheet form, the fabric is separated from the transfer belt and accumulated on a take up drum.



14) Family number: 30377348 (US2002023700A) © PatBase

Title: METHOD FOR MANUFACTURING A TYRE FOR VEHICLE WHEELS, TYRE WHICH CAN BE OBTAINED BY SAID METHOD, AND VEHICLE WHEEL COMPRISING SAID TYRE

Priority:

EP19970830600	19971114	EP19980110354	19980605	EP19980830079	19980219
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EP19990830021	19990122	EP19990830063	19990205	EP19990103044	19990216
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Family:

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WO9925570 A3	19990715	WO1998EP07156	19981110	
WO9964225 A1	19991216	WO1999EP03664	19990527	

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Assignee(s):[(std)]**:** CARETTA RENATO ; PIRELLI ; PIRELLI PNEUMATIC S P A ; MANCOSU FEDERICO ; PIRELLI PNEUMATIC SPA ; PIRELLI PNEUMATICHI S P A ; PIRELLI PNEUMATICI SOCIET PER ; PIRELLI PNEUMATICI S P A ; PIRELLI PNEUMATICI SPA

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Inventor(s): FEDERICO MANCOSU

Agent(s): MASUI CHUJI; SAKUMA SHIGERU; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI

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): B29C33/02 B29C35/00 B29C35/02 B29C45/00 B29C65/00 B29C69/00 B29D23/24 B29D30/00 B29D30/06 B29D30/10 B29D30/18 B29D30/34 B29D30/48 B29K21/00 B60B1/00 B60B21/02 B60B21/10 B60C15/00 B60C15/02 B60C15/024 B60C15/04 B60C15/05 B60C15/06 B60C17/00 B60C17/01 B60C17/02 B60C17/06 B60C19/00 B60C23/00 B60C23/12 B60C29/00 B60C29/02 B60C29/04 B60C3/04 B60C3/06 B60C5/00 B60C5/02 B60C5/04 B60C5/08 B60C5/20 B60C5/22 B60C9/00 B60C9/02 B66B5/00 (Advanced/Invention);
B29C33/02 B29C35/00 B29C35/02 B29C65/00 B29C69/00 B29K105/24 B29K21/00 B60B21/02 B60C29/00 (Advanced/Non–invention);
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B60B (Subclass/Invention)

International class (IPC 1–7): B29C33/02 B29C35/02 B29C69/00 B29D23/24 B29D30/00 B29D30/06 B29D30/10 B29D30/18 B29D30/34 B29D30/42 B29D30/48 B29D9/00 B29K105/24 B29K21/00 B60B21/02 B60B21/10 B60C15/00 B60C15/02 B60C15/02 B60C15/04 B60C15/04 B60C15/05 B60C15/06 B60C17/00 B60C17/01 B60C17/02 B60C17/06 B60C29/00 B60C29/04 B60C3/00 B60C3/04 B60C3/04 B60C3/06 B60C5/00 B60C5/02 B60C5/04 B60C5/20 B60C5/22 B60C9/02 B66B5/00 F16K15/20 F16K37/00

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European class: B29C45/00J3 B29D23/24 B29D30/10 B60B21/02D B60B21/02G B60B21/02H B60B21/10B B60B21/10D B60B21/12 B60B3/02 B60C15/00A14 B60C15/00A2 B60C15/02 B60C15/024 B60C15/02M B60C15/05 B60C15/06 B60C17/01 B60C19/00J B60C23/00B3 B60C23/12 B60C29/00F B60C29/02 B60C5/02 B60C5/04 B60C5/08 B60C5/22 B60C9/00B B60C9/02K L29C35/00 L29C45/00J3H L29C65/00 L29L23/24B L29L31/60B

US class: 137/227 137/227S 137/493.8 137/493.800S 152/331.1 152/339.1 152/342.1 152/415 152/427 152/427S 152/454 152/456 152/511 152/512 152/539 152/540 152/541 152/544 152/547 152/548 152/55 152/550 152/550S 152/552 152/DIG.6 156/119 156/133 156/133S 156/135 425/28.1 425/35 425/47

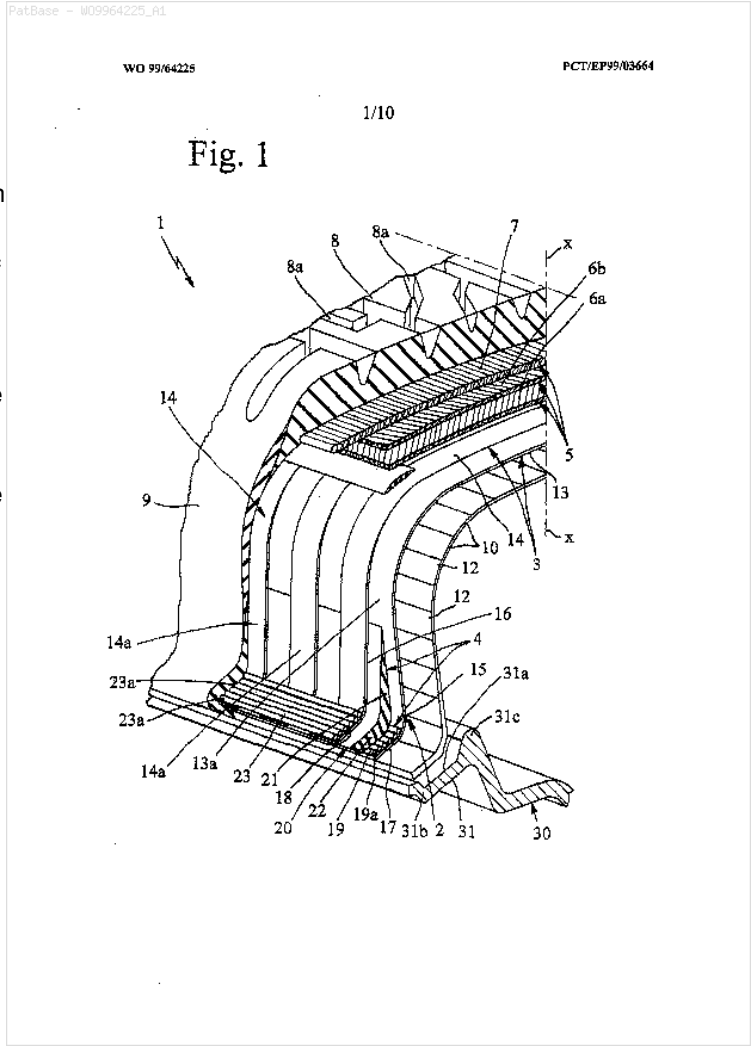
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Abstract:
Source: US2002023700A In a tire for vehicles, the formation of each bead reinforcing structure envisages that, after laying of a first series of elongated sections defining axially inner terminal zones of a carcass ply, an annular anchoring insert consisting of a wire wound in axially adjacent turns is formed on an end portion directed axially towards the outside of the respective zone. A stiffening element tapering radially away from the axis of the tire is then formed on each inner terminal zone. A second series of elongated sections is then laid, completing the manufacture of the carcass ply with the formation of axially outer terminal zones which are superimposed on the stiffening elements. An additional annular insert is formed on an end portion of each outer terminal zone arranged radially superimposed on the anchoring insert. The tire according to the invention may be associated with a symmetrical rim which has two lateral portions designed to form the bead seats for engagement with the corresponding tire beads, which are defined by frustoconical surfaces converging towards the axis of rotation of the rim, away from the equatorial plane thereof.



0) US2015128529A – METHOD AND MACHINES FOR TRANSFORMING INITIAL SE...

15) Family number: 53203351 (US2015128529A) © PatBase

Title: METHOD AND MACHINES FOR TRANSFORMING INITIAL SEALED PACKAGINGS INTO IRREGULAR CUBIC OR POLYHEDRAL PACKAGINGS BY MEANS OF SEALING AND CUTTING FLAPS

Priority: ES20110001023 20110913 ES20110001148 20111018 ES20120000301 20120315 ES20120000401 20120411 ES20120000926 20120910 US20140344642 20141003 WO2012ES00261 20120913 US20140566013 20141210

Family:

Publication number	Publication date	Application number	Application date
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WO13038037 A1	20130321	WO2012ES00261	20120913

Probable Assignee: PACK SAVE PLANET S L

Assignee(s):(std): LOPEZ AROSTEGUI SAENZ ; LOPEZ AROSTEGUI SAENZ GUILLERMO ; PACK SAVE PLANET S L ; PACK SAVE PLANET SL ; PACK SAVE PLANET SL L

Assignee(s): PACK SAVE PLANET SLL ; GUILLERMO LOPEZ AROSTEGUI SAENZ ; PACK SAVE PLANET SLZALBIDES AUZOA, 13E–48610URDULIZ–VISCAYAES

Inventor(s):(std): LOPEZ AROSTEGUI SAENZ GUILLERMO

Inventor(s): LOPEZ AROSTEGUI SAENZ GUILLERMOES ; LOPEZ ARSTEGUI SAENZ GUILLERMO ; LOPEZ AROSTEGUI SAENZ ; GUILLERMO LOPEZ AROSTEGUI SAENZ

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; CARVAJAL Y URQUIJO ISABEL; HARAKENZO WORLD PATENT AND TRADEMARK

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): B31B1/64 B31B29/60 B65B B65B3/02 B65B51/10 B65B61/24 B65D30/10 B65D30/22 B65D33/00 B65D5/00 B65D77/00 B65D77/06 (Advanced/Invention); B65D5/00 (Core/Invention); B65B (Subclass/Invention)

CPC: B65B9/00 B65B31/04 B65B55/022 B65B55/027 B65B2220/08 B65B2220/18 B65D5/029 B65B51/10 B65B61/24 B65B11/54 B65D31/02 B65D31/16 B65D75/008 B65D75/5877 B31B1/64 B65D31/12 B31B29/60 B31B2221/20

US class: 383/38 493/189 53/436

Classification Explorer

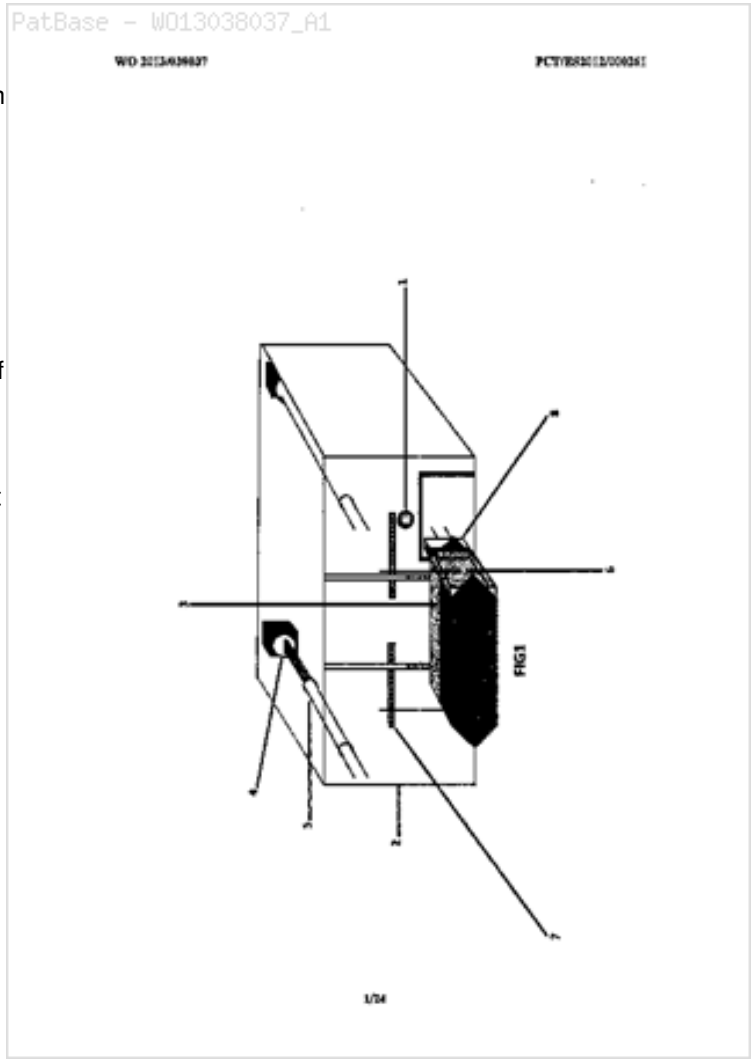
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DE102005015565 A1

CN1298827 A, CN102056806 A, AT305900 B,

Forward Citations: US2014194267,

Abstract:
Source: US2015128529A The aim of the invention is to transform an initial packaging consisting of a flexible material such as roll film and sealed by at least two welded joints with a liquid substance inside, into a packaging having a cubic shape with at least three faces. The method and installation using a machine comprise the following steps: 1–the initial packaging is blocked and immobilised by means of subjection clamps which maintain a constant pressure at all times, towards the inside of the initial packaging, but with regulatable damping; 2–an impact clamp (6) hits any of the perimeter lateral side or sides of the initial packaging head–on, so that the packaging inflates, thereby taking on the cubic shape, and the flaps are created; and 3–the flaps are then sealed and cut. The most significant advantages of the invention are that very small cubic packagings can be produced, and at the same time the logistical costs are reduced as a result of the absence of flaps.



0) US2013306267A – ADVANCED PROTECTIVE SYSTEM AGAINST DANGEROUS CA...

16) Family number: 55189020 (US2013306267A) © PatBase

Title: ADVANCED PROTECTIVE SYSTEM AGAINST DANGEROUS CAUSED MOVING WATER MASSES

Priority: US20120506750 20120516

Family:

Publication number	Publication date	Application number	Application date
US2013306267 AA	20131121	US20120506750	20120516

Probable Assignee: FELDMAN BORIS

Assignee(s):(std)**:** FELDMAN BORIS ; FELDMAN MICHAEL

Inventor(s):(std)**:** FELDMAN BORIS ; FELDMAN MICHAEL

International class (IPC 8–9)**:** A01G15/00 B60P1/00 B64C37/02 B64C39/02 E02B1/00 E02B7/02 F24J3/08 (Advanced/Invention)

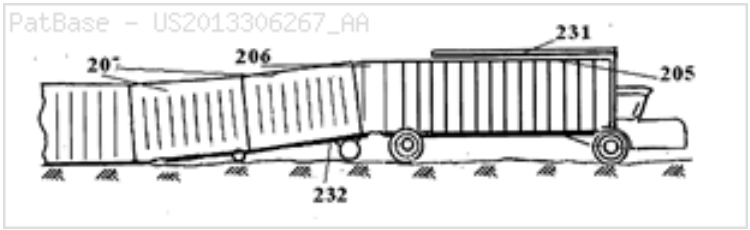
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US class: 165/45 239/14.1 244/13 244/2 405/114 405/116 405/80 414/507

Classification Explorer

Forward Citations: US2015165596,

Abstract:
Source: US2013306267A The proposed advanced multi–level protective system comprises two types of barriers, harmoniously complementing to each other: a portable barrier for the protection of individual houses at the height of the floods up to 0.8–0.9 meters, and more powerful protective quick–installable barriers, suitable for mechanized installation and resistant to higher water flows up to 1.2–2 meters. The proposed advanced protective system comprises a number of additional means capable of weakening against dangerous natural processes that give rise strong water flows, and these means can weaken these flows and increase the efficiency of proposed protective barriers.



0) UY29154A – SELLO DE SEGURIDAD

17) Family number: 41015440 (UY29154A) © PatBase

Title: SELLO DE SEGURIDAD

Priority: CL20040002575 20041005

Family:

Publication number	Publication date	Application number	Application date
CL2004002575 A1	20050930	CL20040002575	20041005
CL43753 B	20080926	CL20040002575	20041005
CO5700165 A1	20061130	CO20050093133	20050914
UY29154 A1	20060531	UY20050029154	20051005

Probable Assignee: ISABEL LUISA MUNITA LOPEZ

Assignee(s):(std)**:** LOPEZ ISABEL MUNITA ; MUNITA LOPEZ ISABEL LUISA

Assignee(s): ISABEL LUISA MUNITA LOPEZ ; ISABEL MUNITA LOPEZ

Inventor(s):(std)**:** MUNITA LOPEZ ISABEL LUISA ; LOPEZ ISABEL MUNITA

Inventor(s): ISABEL MUNITA LOPEZ ; ISABEL LUISA MUNITA LOPEZ

Agent(s): CLARKE; DILIA MARIA RODRIGUEZ DALEMAN

International class (IPC 8–9): B65D53/00 B65D55/02 G09F3/00 G09F3/02 G09F3/03 G09F3/08 (Advanced/Invention); B65D53/00 B65D55/02 G09F3/03 (Core/Invention)

Classification Explorer

Abstract:
Source: CO5700165A Sello de seguridad para el sellado de diferentes elementos tales como, bolsas de valores, medidores de agua, gas o electricidad y contenedores en general, constituido por un conjunto inviolable que acusa evidentemente la intencion de haber sido manipulado CARACTERIZADO porque se compone de una capsula receptora, formada por un cuerpo hueco abierto en un solo extremo, con un primer elemento de retencion interior, una tapa en forma de placa, provista de un segundo elemento de retencion y elementos de enhebrado de un alambre de seguridad, elementos de guia de insercion de dicha tapa en el interior de dicha capsula y una banda de union de dicha capsula y dicha tapa, donde dicho segundo elemento de retencion posee un canal lateral externo y una superficie exterior disponible para imprimir una serie identificatoria del sello, estando dicha serie en correspondencia con una serie igual impresa en el exterior de la capsula; teniendo dicho segundo elemento de retencion, medios para enhebrar dicho alambre de seguridad por el interior de dicho segundo elemento de retencion y porque dicho primer y segundo elemento de retencion poseen, medios de traba y medios de ensamble que se corresponden entre si. Security seal for sealing different items such as stock exchanges, water meters, gas or electricity and containers in general, consists of an inviolable whole accusing evidently the intention of tampering CHARACTERIZED consists a receiving capsule, formed by a hollow body open at one end, with a first inner retention, a cover plate–shaped, provided with a second retaining element and elements of threading a wire security elements insertion guide said cover within said capsule and a band of union of said capsule and said cap, wherein said second clamping element has an external channel and a lateral outer surface available for printing an identification number of the seal being such set in correspondence with an equal number printed on the exterior of the capsule; said second retaining element, means for threading said safety wire inside said second clamping element and that said first and second retaining element have, locking means and assembly means which correspond to each other.

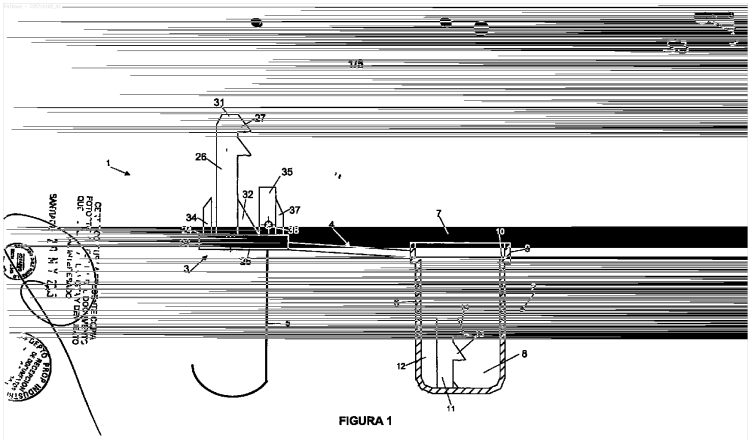


FIGURA 1

18) Family number: 20752048 (US2004066023A) © PatBase

Title: ADVANCED WEIGHT RESPONSIVE SUPPLEMENTAL RESTRAINT COMPUTER SYSTEM

Priority: US19970052435P 19970714 US19970953503 19971017 US19980079496P 19980326 US20000692098 20001020 US20000692096 20001020 US19980083076P 19980427 US20060640726 20061218 US20030680826 20031007 US20070670057 20070418 US20060585274 20061024 US20010959502 20011018 US20010959503 20011018 WO1998US14184 19980713 WO1999US06666 19990326 WO1999US09435 19990427

Family:

Publication number	Publication date	Application number	Application date
AU199883884 A1	19990210	AU19980083884	19980713
AU199934539 A1	19991018	AU19990034539	19990326
AU199937752 A1	19991116	AU19990037752	19990427
US2004066023 AA	20040408	US20010959502	20011018
US2004068354 AA	20040408	US20010959503	20011018
US2004178612 AA	20040916	US20030680826	20031007
US2007083311 AA	20070412	US20060585274	20061024
US2007096447 AA	20070503	US20060640726	20061218
US2007182139 AA	20070809	US20070670057	20070418
US6728616 BA	20040427	US20000692098	20001020
US7426429 BB	20080916	US20010959503	20011018
US8251397 BB	20120828	US20060585274	20061024
US8814208 BB	20140826	US20070670057	20070418
WO9903711 A1	19990128	WO1998US14184	19980713
WO9948729 A1	19990930	WO1999US06666	19990326
WO9955560 A1	19991104	WO1999US09435	19990427

Probable Assignee: TABE JOSEPH

Assignee(s):(std)**:** JOSEPH A TABE ; TABE JOSEPH ; TABE JOSEPH A ; TABE JOSEPH AKWO

Assignee(s): JOSEPH TABE

Inventor(s):(std)**:** TABE JOSEPH A ; TABE JOSEPH AKWO ; TABE JOSEPH ; JOSEPH TABE

Inventor(s): JOSEPH A TABE

Agent(s): TABE JOSEPH; JOSEPH A TABE SUITE 717; GREENBERG AND LIEBERMAN LLC; TABE JOSEPH A; JOSEPH A; JOSEPH

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 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 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 ZA ZW

International class (IPC 8–9): B60K28/00 B60R21/00 B60R21/01 B60R21/013 B60R21/0134 B60R21/0136 B60R21/015 B60R21/16 B60R21/26 B60R21/264 B60R22/46 B60R22/48 E05F15/00 G01G19/414 (Advanced/Invention); B60R21/00 B60R21/01 B60R21/0134 B60R21/015 B60R21/26 B60R21/263 B60R21/264 B60R22/46 (Advanced/Non–invention); B60K28/00 B60R21/00 B60R21/01 B60R21/013 B60R21/0134 B60R21/0136 B60R21/015 B60R22/00 B60R22/46 E05F15/00 (Core/Invention); B60R21/01 B60R21/0134 B60R21/015 B60R22/46 (Core/Non–invention)

International class (IPC 1–7): B60R21/26 B60R21/32 B60R22/00 B60R22/46 B60R22/48 G05D1/00 G05D3/00 G06F19/00 G06F7/00

CPC: B60R2022/4816 B60R2022/4841 B60R22/48 B60R22/46 B60R2022/4685 B60R21/01546 B60R21/017 B60R2021/01211 B60R2021/01225 B60R21/0134 B60R21/264 B60R2021/0011 B60R2021/2636 G01G19/4142 B60R21/013 B60R2021/01272 B60R22/44 B60R2021/01197 B60R21/0152 B60R21/01504 B60R21/01526 B60R21/01

B60R21/01544 B60R21/01516 B60R21/0132 B60R2021/01068

European class: B60R21/01 B60R21/015 B60R21/017 B60R21/01F B60R21/01H B60R22/46 B60R22/48 G01G19/414A L60R21/00A4 L60R21/013 L60R21/0132 L60R21/0134 L60R21/015D L60R21/015G2 L60R21/015G8 L60R21/015G8C L60R21/01L5A3 L60R21/01N3B L60R21/01P1 L60R21/01P1B L60R21/01P3B1 L60R21/263L3 L60R21/264 L60R22/44 L60R22/46L

US class: 180/268 180/268S 180/273 180/273S 180/282 280/728.1 280/734 280/735 280/735P 280/735S 280/801.1 280/806 280/806S 296/68.1 307/10.1 307/10.100S 340/667 701/45 701/45P 701/45S 701/63

Classification Explorer

Cited documents: US7461727 BB, US7426429 BB, US7296825 BA, US7002457 BB, US6973314 BB, US6924742 BB, US6922622 BB, US6918464 BB, US6847302 BB, US6729427 BA, US6728616 BA, US6691301 BB, US6677538 BB, US6654787 BA, US6554092 BB, US6553375 BA, US6530597 BA, US6407347 BA, US6405243 BA, US6397688 BA, US6364352 BA, US6324453 BA, US6260879 BA, US6260877 BA, US6259167 BA, US6231076 BA, US6196589 BA, US6161439 A, US6092838 A, US6081757 A, US6069325 A, US6059066 A, US6056079 A, US6039344 A, US6005485 A, US6002325 A, US5996421 A, US5950193 A, US5940012 A, US5939795 A, US5913538 A, US5906393 A, US5895071 A, US5892193 A, US5871236 A, US5871063 A, US5864295 A, US5826216 A, US5810392 A, US5785347 A, US5780937 A, US5765774 A, US5758737 A, US5746467 A, US5739757 A, US5707078 A, US5651564 A, US5626359 A, US5615917 A, US5605348 A, US5573269 A, US5558370 A, US5474327 A, US5413378 A, US5398185 A, US5338063 A, US5232243 A, US5205582 A, US5184845 A, US5174600 A, US5161820 A, US5123498 A, US5118134 A, US5071160 A, US4806713 A, US4655312 A, US4500114 A, US4358136 A, US4107645 A, US3918545 A, US3875556 A, US3861710 A, US3770919 A, US3561690 A, US2705529 A, US2008036581 AA, US2007182534 AA, US2007082747 AA, US2006219029 AA, US2005230946 AA, US2005030188 AA, US2004145165 AA, US2004135354 AA, US2003217882 AA, US2001052939 AA, US2001011481 AA, DE3809074 A1,

Forward Citations: WO10114812, WO07027723, WO0243992, US9592866, US9517767, US9446685, US9403437, US9176202, US9165412, US9156558, US9153080, US9073506, US9061655, US9020744, US8914188, US8910974, US8862332, US8818759, US8789847, US8684402, US8678429, US8676448, US8648613, US8612097, US8600622, US8577588, US8447473, US8403361, US8371414, US8260535, US8251397, US8220579, US8172024, US8041483, US7925402, US7874576, US7762583, US7719413, US7657354, US7580782, US7546193, US7543675, US7437218, US7422283, US7299118, US7246028, US7140637, US7107133, US7040847, US6978808, US6889129, US6879897, US6659505, US6501374, US6278358, US2017008424, US2016107609, US2016071395, US2014330484, US2014188347, US2013317701, US2013090781, US2013088348, US2013073148, US2013024074, US2013001935, US2012256403, US2012187962, US2012175453, US2012126519, US2012112900, US2012101688, US2012065843, US2011260435, US2011186374, US2011101661, US2010264629, US2010201526, US2010161199, US2009112408, US2009084623, US2009014991, US2008143508, US2008119993, US2008119990, US2008068149, US2008023245, US2007299587, US2007241545, US2007096447, US2007083311, US2007007066, US2006080812, US2006009895, US2005275276, US2005267662, US2005251308, US2005011578, US2004204890, US2004204809, US2004183374, US2004080204, US2003218321, NL1039041, EP2570105, EP1704790, EP1591321, EP1410977, EP1061347, EP1031475, DE19925662, DE19925662, CN103035048, CN102826066, CN102815242,

Abstract:
Source: US2004066023A A supplemental passenger restraint system including a load cell (15) mounted between the seat–mounting surface and the floor of the vehicle for sensing the weight of a siting occupant (110). A controller (25) controls an air bag (1, 2) such that the air bag (1, 2) is deployed at a rate corresponding to the weight of the occupant (110). A controller (75) for said supplemental restraint system wherein the controller is dependent on an occupant's presence for measuring the crash severity and the speed of the vehicle to enable single or plurality of airbag deployments. Such that, when a collision is sensed at the collision sensor (75), the collision sensor (75) will enable the control module (25), which will then enable the amplifier (20) to amplify the accelerometer microprocessor (150), the release gas control processor (130), and the current igniter (55) to ignite the released igniting gas (65) inside the combustion chamber (101). Such that, the force created during the gas ignition inside the combustion chamber correspond to the deployment force of the air bag (1,2) during collision, whereby said force is precisely controlled by the weight of the occupant (110) and the speed of the vehicle.

PatBase - WO9955560_A1

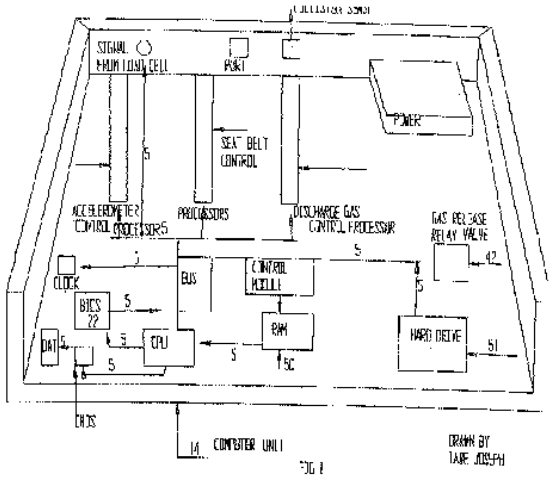


FIG 1

0) US4424747A – NON–ELECTRIC BLASTING ASSEMBLY

19) Family number: 2017221 (US4424747A) © PatBase

Title: Non–electric blasting assembly

Priority: CA19820399783 19820330 CA19820418465 19821223 EP19820302125 19820426 EP19820306539 19821208 US19810257973 19810427 CA19820448191 19820330 US19810334890 19811228 US19810334890 19811228

Family:

Publication number	Publication date	Application number	Application date
AT20149 E	19860615	AT19820302125T	19820426
AT25770 E	19870315	AT19820306539T	19821208
AU198282940 A1	19821104	AU19820082940	19820422
AU198291835 A1	19830707	AU19820091835	19821223
AU546589 B2	19850905	AU19820082940	19820422
AU551191 B2	19860417	AU19820091835	19821223
BR8202356 A	19830405	BR19820002356	19820423
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CA1171319 A1	19840724	CA19820399783	19820330
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CA1184429 A2	19850326	CA19840448191	19840223
CA1193907 A1	19850924	CA19820418465	19821223
DE3271337 D1	19860703	DE19823271337	19820426
DE3275587 D1	19870409	DE19823275587	19821208
EP0063943 A2	19821103	EP19820302125	19820426
EP0063943 A3	19830316	EP19820302125	19820426
EP0063943 B1	19860528	EP19820302125	19820426
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EP0083165 A3	19840530	EP19820306539	19821208
EP0083165 B1	19870304	EP19820306539	19821208
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ES518513 A1	19840601	ES19820518513	19821223
ES8307372 A1	19831016	ES19820511721	19820426
ES8405510 A1	19840916	ES19820518513	19821223
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GR76079 B	19840803	GR19820167977	19820426
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IE53628 B	19881221	IE19820003061	19821222
IE820957 L	19821027	IE19820000957	19820423
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IL65611 A1	19861130	IL19820065611	19820426
IN155482 A	19850209	IN1981CA00967	19810828
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JP1292679 C3	19851216	JP19820227818	19821228
JP58029000 A2	19830221	JP19820069733	19820427
JP58115083 A2	19830708	JP19820227818	19821228

JP60013999 B4	19850410	JP19820227818	19821228	
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NO157956 C	19880615	NO19820004376	19821227	
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NZ202888 A	19860611	NZ19820202888	19821222	
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PT74805 B	19831115	PT19820074805	19820426	
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US4424747 A	19840110	US19810257973	19810427	
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ZA8202826 A	19830330	ZA19820002826	19820426	
ZA8209419 A	19840725	ZA19820009419	19821222	
ZM9282 A	19840723	ZM19820000092	19821221	
ZW27182 A	19830420	ZW19820000271	19821228	
ZW8582 A	19820630	ZW19820000085	19820427	

Probable Assignee: ETI EXPLOSIVES TECHNOLOGIES INTE

Assignee(s):(std)**:** DU PONT ; EI DU PONT DE NEMOURS COMPANY

Assignee(s): EI DU PONT DE NEMOURS AND CO WILMINGTON DE A CORP ; DU PONT E I DE NEMOURS AND COMPANY ; E I DU PONT DE NEMOURS AND COMPANY TE WILMINGTON DELAWARE VER ST V AM ; ETI EXPLOSIVES TECHNOLOGIES INT LTD ; ETI CANADA INC ; ETI EXPLOSIVES ; EIDU PONT DE NEMOURS AND CO ; DU PONT EI DE NEMOURS AND CO ; TORONTO DOMINION BANK ; II AI DEYUHON DE NIMOASU ANDO CO ; ETI EXPLOSIVES TECHNOLOGIES INTE ; YUNAN MALAK E ; DU PONT DE NEMOURS AND CO E I ; DU PONT DE NEMOURS AND COMPANY E I ; DU PONT DE NEMOURS E I AND CO ; DU PONT DE NEMOURS E U AND CO ; DU PONT DE NEMOURS EI AND CO ; DU PONT E I DE NEMOURS AND CO ; EI DU PONT DE NEMOURS CO ; EI DU PONT DE NEMOURS AND CO ; ETI EXPLOSIVES TECHNOLOGIES INT ; E I DU PONT DE NEMOURS AND COMPANY ; E I DU PONT DE NEMOURS AND CO

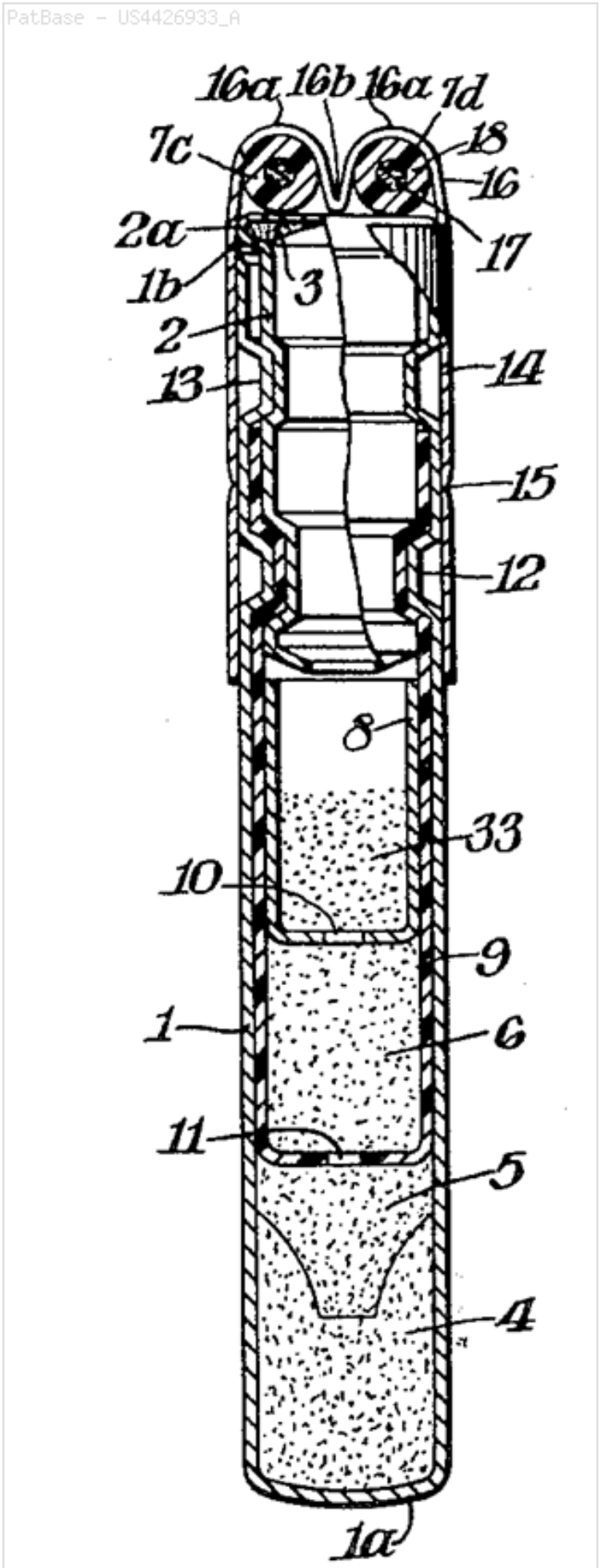
Inventor(s):(std)**:** MALAK ELIAS YUNAN ; YUNAN MALAK E ; YUNAN MALAK ELIAS ; YUNAN MALAK ELLIAS ; YUNAN M E ; MARAKU IRIASU YUUNAN

Agent(s): MCCALLUM BROOKS AND CO; REINHOLD COHN AND PARTNERS

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

International class (IPC 8–9):	C06C7/00 F42B3/00 F42B3/10 F42D1/04 F42D3/00 (Advanced/Invention); C06C7/00 F42B3/00 F42D1/00 F42D3/00 (Core/Invention)
International class (IPC 1–7):	C06B7/00 C06C1/00 C06C5/00 C06C5/06 C06C7/00 C06C7/02 E21B43/263 F24C1/10 F24C1/12 F24D1/06 F42B1/04 F42B3/00 F42B3/02 F42B3/10 F42BA F42C1/10 F42C1/12 F42C19/00 F42C19/08 F42C9/00 F42D1/00 F42D1/02 F42D1/04 F42D1/06 F42D3/00 F42D5/06 G01V1/104
CPC:	C06C7/00 F42D1/043
European class:	C06C7/00 F42D1/04F
US class:	102/275.12 102/275.2 102/275.3 102/275.4 102/275.7
Classification Explorer	
Cited documents:	US4335652 A, US4299167 A, US4248152, US4232606 A, US4187780, US4166417 A, US4024817, US3878785 A, US3713384, US3709149 A, US3614928 A, US3437037 A, US3349706 A, US3306201, US3205818, US3175491, US3125024 A, US1025065 A, GB1189412 A, EP0063943 A2, EP0063942 A2, BE885315 A1,
Forward Citations:	WO9726230, WO9715538, US8973502, US8402892, US7739954, US7490554, US6880465, US6508176, US6439121, US6123025, US6006671, US5792975, US5780764, US5747722, US5710390, US5708228, US5703320, US5659149, US5614693, US5524547, US5499581, US5204492, US5086702, US5012741, US4993324, US4953464, US4911076, US4821645, US4815382, US4771694, US4730560, US4722279, US4716831, US4714018, US4714017, US4660472, US4539909, US2008282923, US2008245253, US2008210118, US2008066639, US2008047452, US2004025734, JP63097993, JP62198298, JP3128700, GB2274153, GB2274153, GB2249372, GB2228785, GB2224560, GB2210148, GB2200977, GB2200977, EP0874793, EP0271233, EP0083165, AU624482, AU613974, AU613082, AU589304,

Abstract:
Source: US4424747A A percussion–actuated instantaneous or delay detonator transmits a detonation from a first length of low–energy detonating cord (LEDC) transversely positioned adjacent the detonator's percussion–responsive end to a U–shaped segment of a second length of LEDC held with its apex against the base–charge end of the detonator and the arms of the U extending away from the detonator. A directional connector for connecting one or more U–shaped segments of detonating cord adjacent each end of the detonator has identifiable donor– and receiver–cord–housing sections, e.g., the receiver–cord–housing section has the shape of the head, and the donor–cord–housing section the shape of the butt, of an arrow. A connector adapted to hold receiver LEDC and high–energy detonating cord (HEDC) segments is internally configured to receive nested U–shaped segments of LEDC and HEDC only when the LEDC is adjacent the base–charge end of the detonator.



0) US5121644A – DEPLOYING CABLES IN PIPELINES

20) Family number: 2588246 (US5121644A) © PatBase

Title: DEPLOYING CABLES IN PIPELINES

Priority: GB19900003343 19900214

Family:

Publication number	Publication date	Application number	Application date
DE69112094 D1	19950921	DE19916012094	19910125
DE69112094 T2	19960111	DE19916012094T	19910125
EP0442626 A2	19910821	EP19910300590	19910125
EP0442626 A3	19920527	EP19910300590	19910125
EP0442626 B1	19950816	EP19910300590	19910125
GB2241120 A1	19910821	GB19900003343	19900214
GB2241120 B2	19940119	GB19900003343	19900214
GB9003343 A0	19900411	GB19900003343	19900214
NO910581 A	19910815	NO19910000581	19910213
NO910581 A0	19910213	NO19910000581	19910213
US5121644 A	19920616	US19910654751	19910213

Probable Assignee: NORTEL NETWORKS LTD

Assignee(s):(std)**:** NORTHERN TELECOM LTD ; STC LTD ; STC SUBMARINE SYSTEMS LTD ; STC PLC ; NORTHERN TELECOM EUROP LTD

Assignee(s): NORTHERN TELECOM EUROPE LIMITED ; NORTHERN TELECOM LIMITED ; NORTEL NETWORKS CORP ; NORTEL NETWORKS LTD ; STC LIMITED ; STC SUBMARINE SYSTEMS LIMITED ; STC PLC A BRITISH CO ; NORTHERN TELECOM LTD MONTREAL QUEBEC CA

Inventor(s):(std)**:** GREY ALAN CHARLES DR ; GREY ALAN CHARLES ; STOKES JOHN LESLIE ; STOKES JOHN L ; GREY ALAN C

Inventor(s): JOHN LESLIE STOKES ; ALAN CHARLES GREY ; STOKES JOHN LESLIE LLANDDEWI SKIRRID ABERGAVENNY G ; STOKES JOHN LESLIE LLANDDEWI SKIRRID...

Designated states: BE DE FR NL

International class (IPC 8–9): G02B6/44 H02G1/08 (Advanced/Invention)

International class (IPC 1–7): B65H59/00 G01L5/04 G02B6/44 H02G1/06 H02G1/08

CPC: G01L5/101 G02B6/4464 H02G1/08 H02G1/086

European class: G01L5/10B G02B6/44C8E2 H02G1/08 H02G1/08E

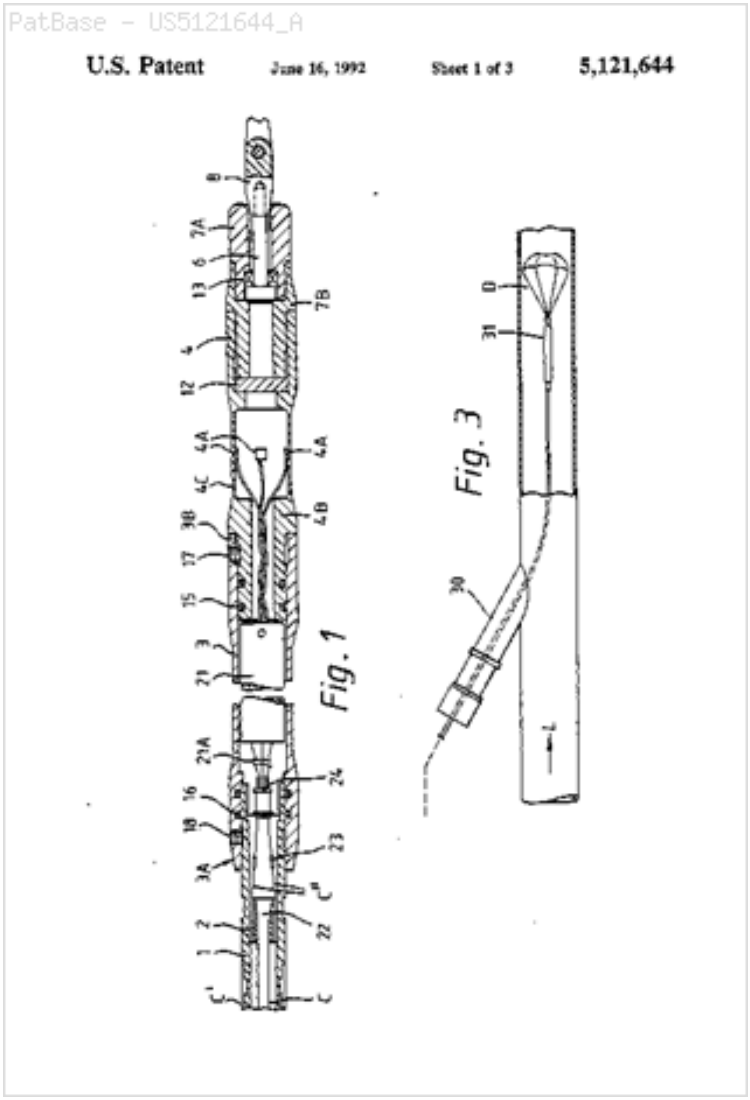
US class: 254/134.4 73/865.9

Classification Explorer

Cited documents: US4953828 A, US4939939 A, US4856937 A, US4822005 A, US4495808 A, US4458880 A, US1208065 A, GB2205916 A1, GB2171218 A1, FR2614698 A1, FR2577724 A1, EP0422827 A2, EP0253636 A1, EP0251129 A2, DE3220286 A1,

Forward Citations: WO9940661, WO9912066, WO9217927, WO15100491, WO09138646, WO09138646, WO07104910, WO05009780, WO05009780, WO0192921, WO0192921, WO0118442, US9291521, US8775102, US8744790, US8727319, US8720030, US8702064, US8587327, US8528385, US8517344, US8307725, US8275227, US7621505, US7360752, US7331215, US6976498, US6945515, US6932323, US6889703, US6811356, US6736156, US6691734, US6691728, US6681795, US6536463, US6364991, US6296231, US6264171, US6059264, US6019351, US6012621, US5967495, US5922995, US5906357, US5813658, US5762321, US5730424, US5474277, US5374034, US5234198, US2011238374, US2011178713, US2011084244, US2010155681, US2010099947, US2009245738, US2009010606, US2008203368, US2006284149, US2006284148, US2005173686, US2005172737, US2005017227, US2004118454, US2004079929, JP2011518334, GC3545, GB2362445, GB2362445,

Abstract:
Source: US5121644A Cable deployment in a fluid filled pipeline under pressure is monitored by use of a strain gauge device coupled between the leading end of the cable and a drogue. The strain gauge measures the pull of the drogue on the leading end of the cable and the strain gauge signal is transmitted back to the other end of the cable via the cable conductors. Changes in fluid flow rate, features of the pipeline, and failure of the drogue to inflate can be detected quickly by monitoring the strain gauge signal, so that the cable feed rate can be changed accordingly in order to maintain satisfactory deployment.



0) US2004035967A – GYRATORY CRUSHER WITH HYDROSTATIC BEARINGS

21) Family number: 30315428 (US2004035967A) © PatBase

Title: GYRATORY CRUSHER WITH HYDROSTATIC BEARINGS

Priority: CA20032417892 20030130 US20020225778 20020823

Family:

Publication number	Publication date	Application number	Application date
CA2417892 AA	20040223	CA20032417892	20030130
US2004035967 AA	20040226	US20020225778	20020823
US7048214 BB	20060523	US20020225778	20020823

Probable Assignee: NAWA ENGINEERS AND CONSULTANTS P LTD

Assignee(s):(std): JOHNSON BRUCE G ; JOHNSON BRUCE GORDON ; JOHNSON LOUIS WEIN

Assignee(s): NAWA ENGINEERS AND CONSULTANTS (P) LTD ; NAWA ENGINEERS AND CONSULTANTS LTD ; NAWA ENGINEERS AND CONSULTANTS P LTD ; DURABLE CRUSHERS INC ; JOHNSON ANNE I ; JOHNSON ANNE I MS

Inventor(s):(std): JOHNSON BRUCE GORDON ; JOHNSON LOUIS WEIN

Agent(s): BORDEN LADNER GERVAIS LLP

International class (IPC 8–9): B02C2/00 B02C2/04 (Advanced/Invention); B02C2/00 (Core/Invention)

International class (IPC 1–7): B02C2/00

CPC: B02C2/00 B02C2/005 B02C2/04

European class: B02C2/00 B02C2/00B B02C2/04

US class: 241/207 241/216 241/286 241/290 241/65

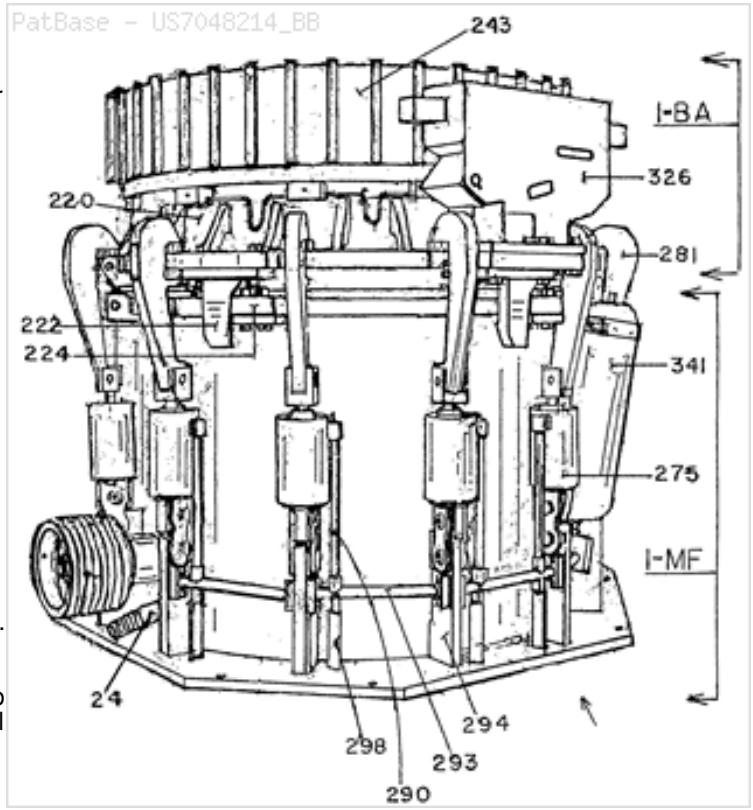
Classification Explorer

Cited documents: US4571112 A, US4454994 A, US4351490 A, US4192472 A, US3759453 A, US3337143 A, US3207449 A, US3118623 A,

Forward Citations: WO14170120, WO13052792, WO13052754, WO11133261, WO11044313, WO10053747, WO10053747, WO09126085, US9527086, US9486804, US9433945, US9388855, US9157469, US9074713, US8832921, US8800904, US8444075, US8328125, US8282030, US8215576, US8011884, US7891595, US7566018, US7549315, US2015003760, US2014103154, US2014008475, US2013327865, US2013152372, US2012006923, US2011259984, US2011084156, US2010282886, US2010193621, US2010108193, US2009084168, US2006117972, US2005269436, RU2471559, EP2792411, CN105263632, CN104588161, CN104588154, CN103998800, CN103998800, CN103945943, CN103648651, CN101905181, AU2010200018, AU2009311492,

Abstract:

Source: US2004035967A A rock crusher of the gyratory cone type having a mainframe structured to be exceptionally strong yet lighter and less costly to manufacture. A tapered spindle bolted to mainframe, is drilled with multiple oil holes, is hollow for circulating heating/cooling fluid, and supports an adjustable thrust bearing. An eccentric member journals on spindle; eccentric has outer taper offset and canted relative to inner taper, and each taper has concentric cylinderical extensions; A gyrating conical member journals on eccentric. Said thrust bearing having spherical surfaces supports conical member on said spindle. A double reduction gear train transfers power to eccentric. Flow dividers direct lubricant to specific multiple ports for hydrostatic lubrication to conical and thrust bearings. Counterbalancing means. A detachable top frame positioned on top of mainframe is restrained against radial and circular movement. Pivoting hooks and hydraulic cylinders tilt outward facilitating rapid servicing. Gas accumulators with hooks and cylinders restrain top frame against crushing forces, yield to non−crushable objects. Detachable top frame has internal thread engaging an external thread of a rotatable member that when rotated adjusts for product sizes and replacement of wear parts; a means to lubricate said threads. Power means to unlock, rotate, and lock said rotatable member. A wear resistant mantle is clamped to gyrating conical member by hydraulic means. A wear resistant liner is held in rotatable member by slidable wedges.



22) Family number: 60730869 (US2017049554A) © PatBase

Title: METHODS AND DEVICES FOR TREATING A HYPER–INFLATED LUNG

Priority: US20140088881P 20141208 US20140986270P 20140430 US20150108040P 20150126 WO2015US28481 20150430 US20150307727 20150430

Family:

Publication number	Publication date	Application number	Application date
AU2015253052 AA	20151105	AU20150253052	20150430
CA2939137 AA	20160809	CA20152939137	20150430
CN106413601 A	20170215	CN201580022439	20150430
EP3136999 A2	20170308	EP20150785508	20150430
US2017049554 AA	20170223	US20150307727	20150430
WO15168387 A2	20151105	WO2015US28481	20150430
WO15168387 A3	20160317	WO2015US28481	20150430

Probable Assignee: SOFFIO MEDICAL INC

Assignee(s):(std)**:** SOFFIO MEDICAL INC

Assignee(s): LEVIN HOWARD ; LEUNG MARK ; LI JIANMIN ; BARENBOYM MICHAEL ; BELL BENJAMIN DAVID ; FOELSCHE GERHARD ANDREW ; BOURNE GEORGE ; GELFAND MARK ; CHERNOMORSKY ARY

Inventor(s):(std)**:** BARENBOYM MICHAEL ; BELL BENJAMIN DAVID ; FOELSCHE GERHARD ANDREW ; CHERNOMORSKY ARY ; BOURNE GEORGE ; GELFAND MARK ; LEVIN HOWARD ; LEUNG MARK ; LI JIANMIN

Agent(s): WRAYS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; SUTTO LUCA; NELSON JEFFRY H

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): A61B17/34 A61F2/04 A61M16/00 A61M39/02 (Advanced/Invention); A61B17/34 (Advanced/Non–invention)

CPC: A61M2210/1039 A61M2039/0252 A61F2/04 A61F2002/043 A61M39/0247

Classification Explorer

Cited documents: US2010204707 AA, US2009209970 AA, US2006079838 AA, US2005043752 AA,

Abstract:
Source: US2017049554A A method and device to improve lung function in a patient having restricted ventilation. The device may include an implantable airway bypass device that relieves trapped air. The method may include a treatment procedure that minimizes irritation of tissue to control healing processes.

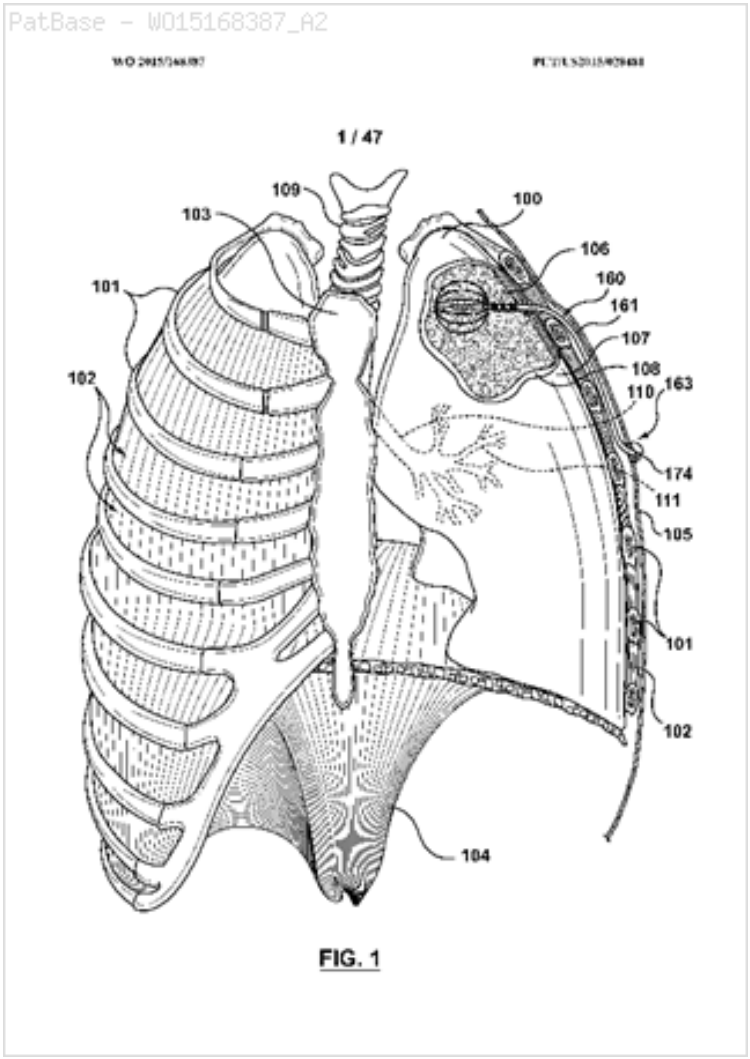


FIG. 1

0) WO08125353A2 – MACHINING CENTER FOR SUBTRACTIVE AND ADDITIVE M...

23) Family number: 42400062 (WO08125353A2) © PatBase

Title: MACHINING CENTER FOR SUBTRACTIVE AND ADDITIVE MACHINING OPERATIONS

Priority: DE200710017759 20070416 WO2008EP03051 20080416

Family:

Publication number	Publication date	Application number	Application date
DE102007017759 A1	20081023	DE200710017759	20070416
EP2176439 A2	20100421	EP20080735290	20080416
WO08125353 A2	20081023	WO2008EP03051	20080416
WO08125353 A3	20100318	WO2008EP03051	20080416

Probable Assignee: INNOVARIS GMBH AND CO KG

Assignee(s):(std)**:** DIRSCHERL MARKUS ; HERMLE MASCHB GMBH ; INNOVARIS GMBH AND CO KG

Assignee(s): HERMLE MASCHINENBAU GMBH

Inventor(s):(std)**:** DIRSCHERL MARKUS

Agent(s): HAGER THOMAS JOHANNES; HOEFER AND PARTNER

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): B05B15/12 B05B7/16 C23C4/12 (Advanced/Invention); B05B15/12 B05B7/16 C23C4/12 (Core/Invention)

CPC: C23C24/04 C23C4/12 B05B7/144 B05B15/1214 B05B15/1262

European class: B05B15/12D C23C4/12 L05B15/12F7 L05B7/14A8

Classification Explorer

Cited documents: WO0242056 A1, EP0554033 A1,

Forward Citations: WO13153096, DE212013000051, DE102009048706,

Abstract:
The invention relates to a machining center for the combined production of a workpiece by thermal molding and subtractive machining, comprising a molding chamber (1), wherein both the additive and subtractive machining operations of the workpiece occur inside the machining center (1).

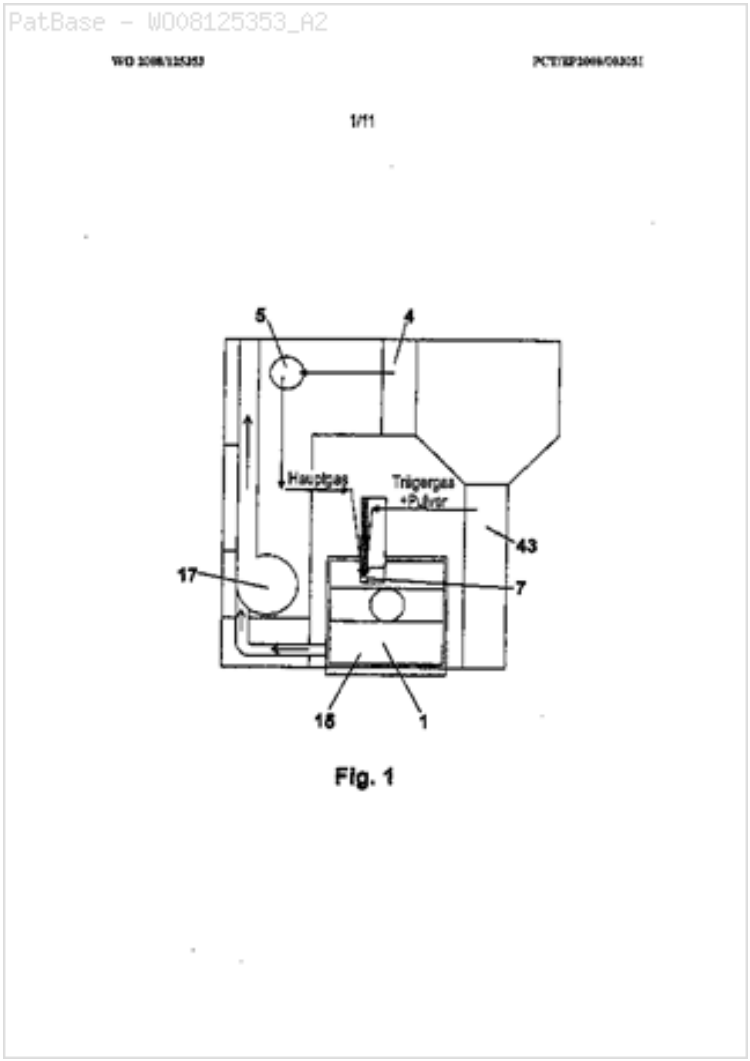


Fig. 1

0) US2004093817A – REFINEMENTS TO THE CONSTRUCTION SYSTEMS FOR STR...

24) Family number: 28838032 (US2004093817A) © PatBase

Title: REFINEMENTS TO THE CONSTRUCTION SYSTEMS FOR STRUCTURES IN REINFORCED CONCRETE OR SOME OTHER MATERIAL BY MEANS OF HIGH–PRECISION INTEGRAL MODULAR FORMS

Priority: ES20020000264 20021118 ES20020002648 20021118 US20060495544 20060731 US20030697203 20031030

Family:

Publication number	Publication date	Application number	Application date
DE10353277 A1	20090507	DE20031053277	20031114
ES2281212 AA	20070916	ES20020002648	20021118
ES2281212 BA	20080816	ES20020002648	20021118
FR2850415 A1	20040730	FR20030005952	20030519
FR2850415 B1	20070406	FR20030005952	20030519
GB200310568 A0	20030611	GB20030010568	20030508
GB2395221 A1	20040519	GB20030010568	20030508
GB2395221 B2	20060104	GB20030010568	20030508
US2004093817 AA	20040520	US20030697203	20031030
US2006260238 AA	20061123	US20060495544	20060731

Probable Assignee: SIST S INDUSTRIALIZADOS BARCON

Assignee(s):(std)**:** BARCONS SALVADOR P ; BARCONS SALVADOR PUJOL ; PUJOL BARCONS SALVADOR ; SIST S INDUSTRIALIZADOS BARCON

Assignee(s): SISTEMAS INDUSTRIALIZADOS BARCONS S L ; SISTEMAS INDUSTRIALIZADOS BARCONS SL ; SISTEMAS INDUSTRIALIZADOS BARCONS S L POLIGONOINDU ; SISTEMAS INDUSTRIALIZADOS BARCONS S L PUERTO DESANTA MARIA ; SISTEMAS INDUSTRIALIZADOS BARCONS S L POLIGONOINDUSTRIAL LAS SALINAS DE LEVANTE ; SALVADOR PUJOL BARCONS

Inventor(s):(std)**:** BARCONS SALVADOR P ; BARCONS SALVADOR PUJOL ; PUJOL BARCONS SALVADOR

Inventor(s): SALVADOR PUJOL BARCONS

Agent(s): CABINET NETTER; CROWELL AND MORING LLP, INTELLECTUAL PROPERTY GROUP

International class (IPC 8–9)**:** E02D27/01 E04B1/16 E04B1/18 E04G1/36 E04G11/02 E04G11/06 E04G11/08 E04G11/10 E04G11/20 E04G11/28 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/00 E04G15/02 E04G15/06 E04G17/00 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00 E04G21/00 E04G21/02 E04G21/12 E04G25/00 E04G27/00 E04G9/02 E04G9/08 (Advanced/Invention); E02D27/01 E04B1/16 E04B1/18 E04G1/36 E04G11/00 E04G13/00 E04G15/00 E04G17/00 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00 E04G21/00 E04G21/02 E04G21/12 E04G25/00 E04G27/00 E04G9/02 E04G9/08 (Core/Invention)

International class (IPC 1–7)**:** B28B7/22 E02D1/00 E04B1/00 E04F10/00 E04G1/00 E04G11/02 E04G21/00

CPC: E04G19/00 E02D27/01 E04B1/161 E04G1/36 E04G11/02 E04G11/087 E04G11/10 E04G11/20 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/02 E04G15/06 E04G17/001 E04G17/002 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/003 E04G19/006 E04G21/025 E04G21/122 E04G27/00 E04G15/00 E04G17/00 E04G25/00

European class: E02D27/01 E04B1/16A E04G1/36 E04G11/02 E04G11/08D E04G11/10 E04G11/20 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/00 E04G15/02 E04G15/06 E04G17/00 E04G17/00B E04G17/00D E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00A E04G19/00B E04G21/02B E04G21/12C E04G25/00 E04G27/00

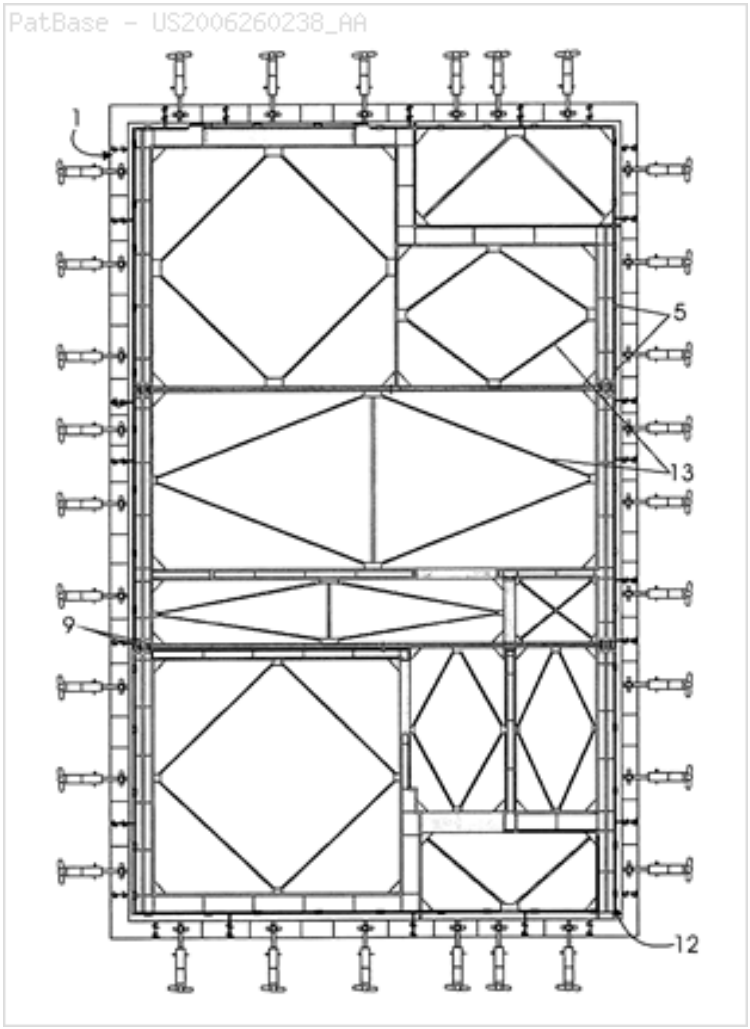
US class: 249/13 52/294 52/414

Classification Explorer

Cited documents: WO9841714 A1, WO9728939 A1, WO0248479 A2, US6158710 A, US3357673 A, US2846749 A, US2526529 A, US2004079859 AA, US2003209648 AA, US1747036 A, FR622331 A, FR2384919 A1, FR1352779 A, ES2142222 AA, ES2120298 AA, EP0436392 A1, EP0123264 A2, DE3536523 C2, DE3536523 A1, DE3129838 A1,

Forward Citations: WO13023330, WO10112633, WO08145790, US9453345, US9441365, US9359780, US9315987, US9273479, US9273477, US9206614, US9080337, US8943774, US8844241, US8793953, US8763328, US8555590, US8458985, US8458969, US8326664, US7698866, US7658051, US7191528, US7055251, US2015191924, US2011301995, US2011131914, US2010223867, US2010119336, US2006207113, US2006107543, US2006042183, ES2308934, EP2461118, EP2461118, CN105019651, CN103470031, CN103276895, CN103276895, CN103195079, CN103104094, CN103104094, CN102720361, CN102425303, CN101942841,

Abstract:
Source: US2004093817A A foundation framework for structures in a reinforced setting material includes a foundation raft with a form having a plurality of modular panels and angular reinforcements for joining at least two faces of at least one right−angle dihedral formed by faces of the modular panels. A layout and positioning template is disposed on top of the form of the foundation raft for correctly dimensioning, positioning, and fitting walls, installations and reinforcements in the foundation raft. Adjustment legs for centering the layout and positioning template are provided, as well as self−centering clamps and a stabilizer having security pins and an anchorage mechanism for securing the form to a support surface.



25) Family number: 34457786 (US2007102242A) © PatBase

Title: POWERED CONTROLLED ACCELERATION SUSPENSION WORK PLATFORM HOIST SYSTEM

Priority:

AU20060312312	20060518	AU20110200634	20110215	US20080017271	20080121
US20050267629	20051104	EP20060770574	20060518	CN201180055039	20111102
WO2006US19266	20060518	US20090582445	20091020	US20100946398	20101115
US20110150608	20110601	US20130771405	20130220	US20120717882	20121218
US20140284818	20140522	US20150611477	20150202	WO2011US58927	20111102

Family:

Publication number	Publication date	Application number	Application date
AU2006312312 AA	20070518	AU20060312312	20060518
AU2006312312 BB	20110120	AU20060312312	20060518
AU2011200634 AA	20110310	AU20110200634	20110215
AU2011200634 BB	20111006	AU20110200634	20110215
AU2011329365 AA	20120524	AU20110329365	20111102
AU2011329365 BB	20170302	AU20110329365	20111102
CN101316975 A	20081203	CN200680044777	20060518
CN101316975 B	20110216	CN200680044777	20060518
CN101994388 A	20110330	CN201010286484	20060518
CN101994388 B	20120118	CN201010286484	20060518
CN103209920 A	20130717	CN201180055039	20111102
CN103209920 B	20151125	CN201180055039	20111102
CN105347148 A	20160224	CN201510631780	20111102
DE602006043514 D1	20141211	DE200660043514T	20060518
DK1943398 T3	20150209	DK20060770574T	20060518
EP1943398 A2	20080716	EP20060770574	20060518
EP1943398 A4	20130612	EP20060770574	20060518
EP1943398 B1	20141029	EP20060770574	20060518
EP1943398 B8	20150128	EP20060770574	20060518
EP2640659 A1	20130925	EP20110841215	20111102
ES2527744 T3	20150129	ES20060770574T	20060518
IN02842DN2011 A	20120323	IN2011DN02842	20110418
IN04104DN2013 A	20141121	IN2013DN04104	20130508
IN04725DN2008 A	20080815	IN2008DN04725	20080602
IN268099 B	20150821	IN2008DN04725	20080602
US2007102242 AA	20070510	US20050267629	20051104
US2008174955 AA	20080724	US20080017271	20080121
US2010038186 AA	20100218	US20090582445	20091020
US2011278100 AA	20111117	US20100946398	20101115
US2012138392 AA	20120607	US20110150608	20110601
US2013161129 AA	20130627	US20130771405	20130220
US2013292204 AA	20131107	US20120717882	20121218
US2014253011 AA	20140911	US20140284818	20140522
US2015144424 AA	20150528	US20150611477	20150202
US7631730 BB	20091215	US20050267629	20051104
US7760497 BB	20100720	US20080017271	20080121
US7849971 BB	20101214	US20090582445	20091020
US8403112 BB	20130326	US20100946398	20101115
US8657074 BB	20140225	US20120717882	20121218

US8733509 BB	20140527	US20130771405	20130220	
US8944217 BB	20150203	US20110150608	20110601	
WO07055733 A2	20070518	WO2006US19266	20060518	
WO07055733 A3	20071206	WO2006US19266	20060518	
WO12067820 A1	20120524	WO2011US58927	20111102	

Probable Assignee: SKY CLIMBER LLC

Assignee(s):(std)**:** ANASIS GEORGE ; ANASIS GEORGE M ; BONANNO JAMES ; DE SMEDT JEAN FRANCOIS ; DE SMEDT JOAN FRANCOIS ; DESMEDT JEAN FRANCOIS ; SKY CLIMBER LLC ; EDDY ROBERT ; INGRAM GARY E ; EDDY ROBERT E ; HUSQVARNA AB ; LI HUI ; INGRAM GARY

Assignee(s): SKY CLIMBER LLC DELAWARE ; SKY CLIBER LLC

Inventor(s):(std)**:** ANASIS GEORGE M ; BONANNO JAMES ; DE SMEDT JEAN FRANCOIS ; DESMEDT JEAN FRANCOIS ; ANASIS GEORGE ; EDDY ROBERT ; GEORGE ANASIS ; INGRAM GARY ; INGRAM GARY E ; LI HUI ; ROBERT EDDY ; JEAN FRANCOIS DESMEDT ; DE SMEDT JOAN FRANCOIS ; EDDY ROBERT E

Inventor(s): GARY E INGRAM ; INGRAM GARY E DELAWARE ; EDDY ROBERT DELAWARE ; ANASIS GEORGE DELAWARE ; DESMEDT JEAN FRANCOIS DELAWARE

Agent(s): FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; FISHER ADAMS KELLY; MOTSCH AND SEITZ; CLARK JANE ANNE; DONNE EDDY; TOMAS TESIFONTE ENRIQUE; GALLAGHER AND DAWSEY CO LPA; MICHAEL J; DAVID J; DAWSEY DAVID 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 YU ZA ZM ZW

International class (IPC 8–9): B66B1/06 B66B1/08 B66B1/28 B66B11/04 B66D1/46 B66D1/60 B66D1/74 B66F11/04 E04G3/18 E04G3/28 E04G3/32 H02P27/06 H05K7/20 (Advanced/Invention); B66B1/28 E04G3/18 E04G3/28 H05K7/20 (Core/Invention)

International class (IPC 1–7): E04G3/28

CPC: H02P27/06 E04G3/32 E04G2003/286 B66D1/46 B66D1/605 B66D1/7489

European class: B66D1/60B E04G3/32

US class: 182/142 182/144 182/148 182/19 187/224 187/293 187/296 187/298 187/391 248/329 294/1.1 318/767 361/601 361/679.01 361/688 361/688P 361/697 361/704 60/324 62/129 62/236

Classification Explorer

Cited documents: USRE28455 E, US8733509 BB, US8453797 BB, US8403112 BB, US8360203 BB, US8098169 BB, US8061485 BB, US7854202 BB, US7849971 BB, US7760497 BB, US7631730 BB, US7537090 BB, US7324314 BB, US7193826 BB, US7185500 BB, US7024805 BB, US6889764 BB, US6848675 BB, US6822866 BB, US6822861 BB, US6707374 BA, US6666299 BB, US6598859 BA, US6499306 BB, US6445580 BA, US6439458 BA, US6405114 BA, US6291987 BA, US6247680 BA, US6075350 A, US5871249 A, US5629603 A, US5291388 A, US5196998 A, US5196656 A, US5167401 A, US5134356 A, US4904918 A, US4869341 A, US4821842 A, US4621842 A, US4600085 A, US4462484 A, US4300134 A, US4232903 A, US3858688 A, US3852701 A, US3817346 A, US3774217 A, US2013161129 AA, US2012138392 AA, US2011278100 AA, US2009220300 AA, US2008208389 AA, US2008174955 AA, US2008093176 AA, US2008087497 AA, US2007102242 AA, US2005146850 AA, US2005088769 AA, US2001017035 AA, CN101994388 A, CN101316975 A, AU2011200634 AA, AU2006312312 AA,

Forward Citations: WO15138838, WO14116764, WO12067820, US9407093, US9351424, US9343904, US9321615, US9300133, US9139408, US9136704, US9136703, US9121497, US9036351, US8985275, US8944217, US8733509, US8657074, US8480086, US8462499, US8403112, US7631730, US2015307334, US2015216089, US2015060209, US2015034417, US2014321057, US2014253011, US2014097285, US2013161129, US2013114224, US2012107077, US2011278100, US2011128698, US2010259899, US2010184511, US2007102242, TWI526649, EP2993538, EP2628700, CN104570895, CN104280251, CN103209920, CN102777024, AU2011329365,

Abstract:
Source: US2007102242A A powered controlled acceleration suspension work platform hoist system for raising and lowering a work platform at a predetermined acceleration. The system incorporates several hoists attached to the work platform and in electrical communication with the motor control system. The motor control system is attached to the work platform and is in electrical communication with a constant frequency input power source and the hoist motors. The motor control system controls the acceleration of the work platform as it is raised and lowered by controlling the hoist motors. The controlled acceleration hoist system also includes a platform control system attached to the work platform that is in electrical communication with the motor control system and the hoist motors. Acceleration control is achieved by converting the constant frequency input power to a variable frequency power supply. This may be accomplished through the use of a variable frequency drive(s).

PatBase - WO12067820_A1

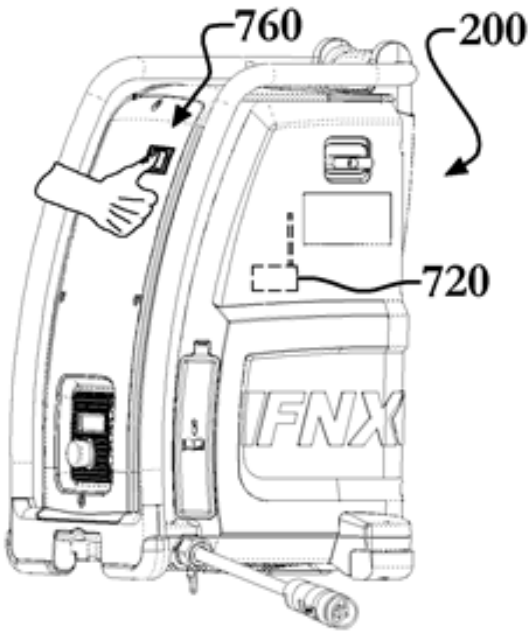


Fig. 35

26) Family number: 63453291 (CA2884211A)

© PatBase

Title: BARRIER SYSTEM FOR FLOOD PROTECTION

Priority: CA20152884211 20150303

Family:

Publication number	Publication date	Application number	Application date
CA2884211 AA	20160903	CA20152884211	20150303

Probable Assignee: BORIS FELDMAN

Assignee(s):(std)**:** BORIS FELDMAN ; MICHAEL FELDMAN

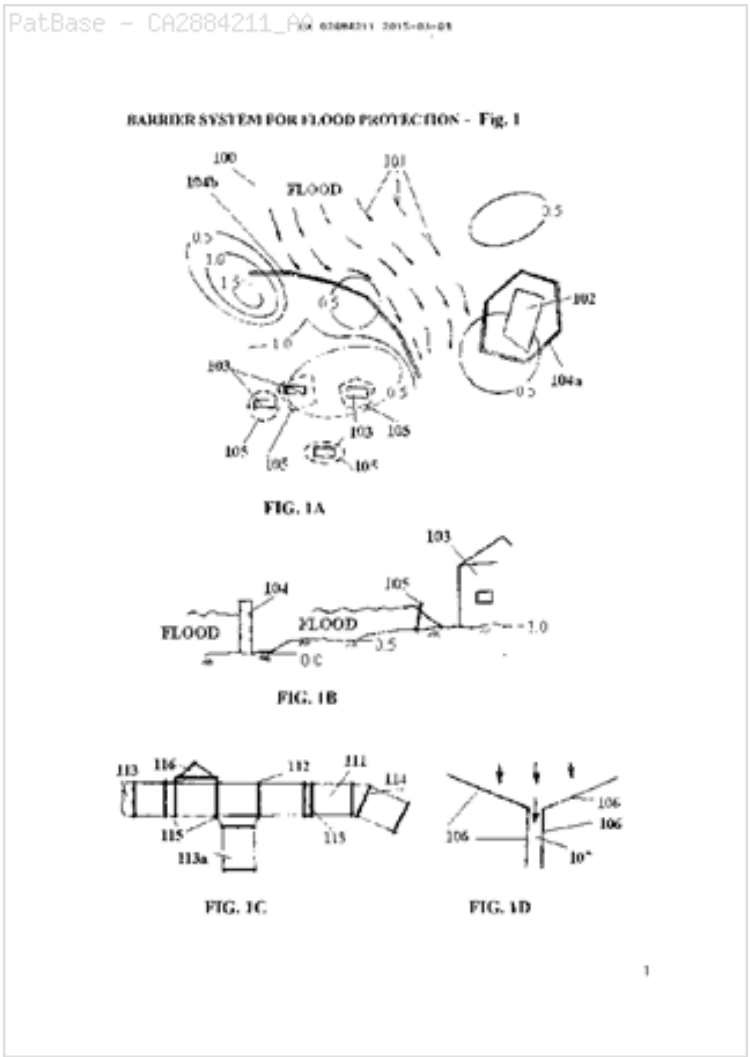
Inventor(s):(std)**:** BORIS FELDMAN ; MICHAEL FELDMAN

International class (IPC 8–9): E02B3/10 (Advanced/Invention)

CPC: E02B3/108

Classification Explorer

Abstract:
Source: CA2884211A Protective barrier system against floods, one of the most dangerous disasters, is disclosed. This barrier system includes from one to four implementations of protective barriers depending on the properties and arrangement of protected objects. Said barriers use a palisade of vertical or little inclined straight members enclosed on the side of flooding by a flexible strong membrane. They allow creating a reliable protection against flood up to1.5–2 meters in height with a smaller amount of sand or generally without it. Barriers about 1 meter in height are compact for storage, inexpensive and can be mounted by forces of 1–2 people in a few hours.



0) NL8901419A – TESTING POROUS LINING OF WELL BOREHOLE – APPLYI...

27) Family number: 8553282 (NL8901419A) © PatBase

Title: Testing porous lining of well borehole – applying pressure sensor in probe with pneumatic sealing collar

Priority: NL19890001419 19890605

Family:

Publication number	Publication date	Application number	Application date
NL8901419 A	19910102	NL19890001419	19890605

Probable Assignee: HOLLANDSCHE BETONGROEP NV

Assignee(s):(std): HOLLANDSCHE BETONGROEP NV

Assignee(s): HOLLANDSCHE BETON GROEP N V TE RIJSWIJK Z H

International class (IPC 8–9): E02D19/18 G01M3/26 G01M3/28 (Advanced/Invention); E02D19/00 G01M3/26 G01M3/28 (Core/Invention)

International class (IPC 1–7): G01F1/34

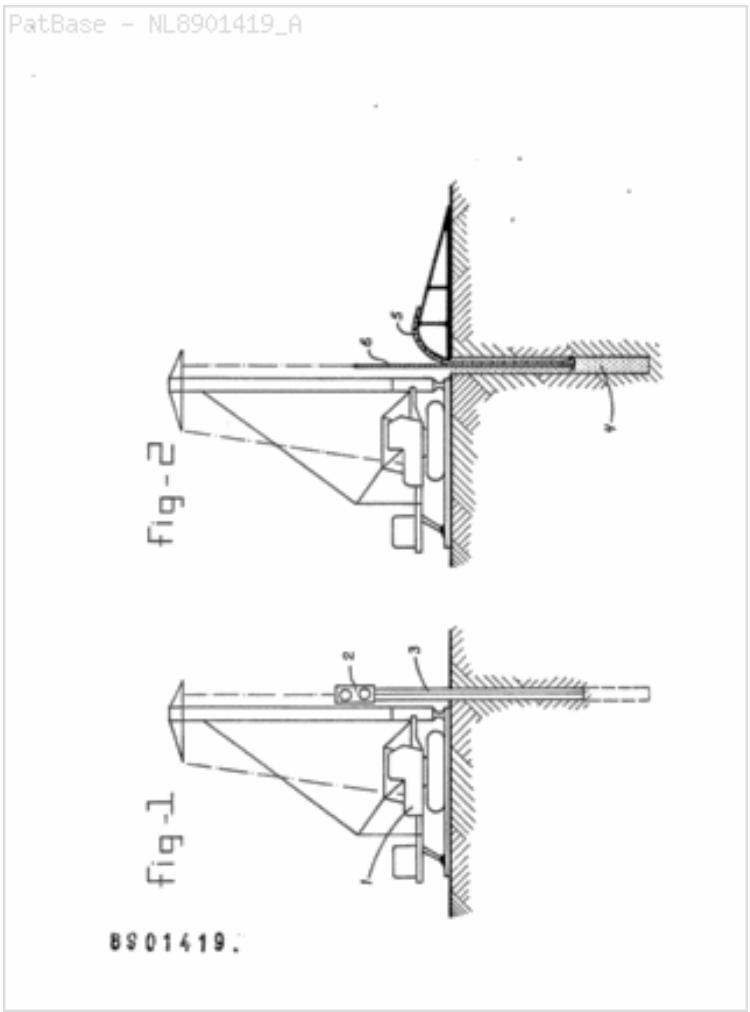
CPC: E02D19/18 E02D19/185 G01M3/26 G01M3/2853

European class: E02D19/18 E02D19/18B G01M3/26 G01M3/28D

Classification Explorer

Forward Citations: US8256268, EP0494097,

Abstract:
The method is USE to measure the water content of the porous lining of a bore hole (12). The lining is made from a mixture of concrete and high density polythene. The probe (13) has a water sensor (14) in a measuring chamber (15). The water in the bore hole enters the chamber through radial access holes (16). – When the probe has been lowered to the required position, a flexible collar (18) above the meter is inflated with compressed air to seal off the volume below it. The pressure in the bore hole below the collar is controlled via two pipes (24,25) and channels (22,23) through the probe body. The pressure is reduced to draw the water through the lining. The pressure reduction and time needed to draw the water out are used to measure the porosity. (17pp Dwg.No.6/9)



0) DE2936591A1 – VERFAHREN ZUR ERZEUGUNG VON ELEKTRISCHEM STROM ...

28) Family number: 1818336 (DE2936591A1) © PatBase

Title: VERFAHREN ZUR ERZEUGUNG VON ELEKTRISCHEM STROM UND VORRICHTUNG ZUR DURCHFUEHRUNG DES VERFAHRENS HYDROELECTRIC TURBINE GENERATING STATION – TAPS ENERGY FROM FLOW IN SEA USING UNDERWATER CAVITY SYSTEM OF WORKED–OUT OIL OR GAS FIELD

Priority: DE19792931176 19790801 DE19792936591 19790911

Family:

Publication number	Publication date	Application number	Application date
DE2931176 A1	19810312	DE19792931176	19790801
DE2936591 A1	19810611	DE19792936591	19790911

Probable Assignee: MUELLER THOMAS

Assignee(s):(std)**:** MUELLER THOMAS

International class (IPC 8–9)**:** F03B13/00 (Advanced/Invention); F03B13/00 (Core/Invention)

International class (IPC 1–7)**:** E02B9/00 F03B13/00

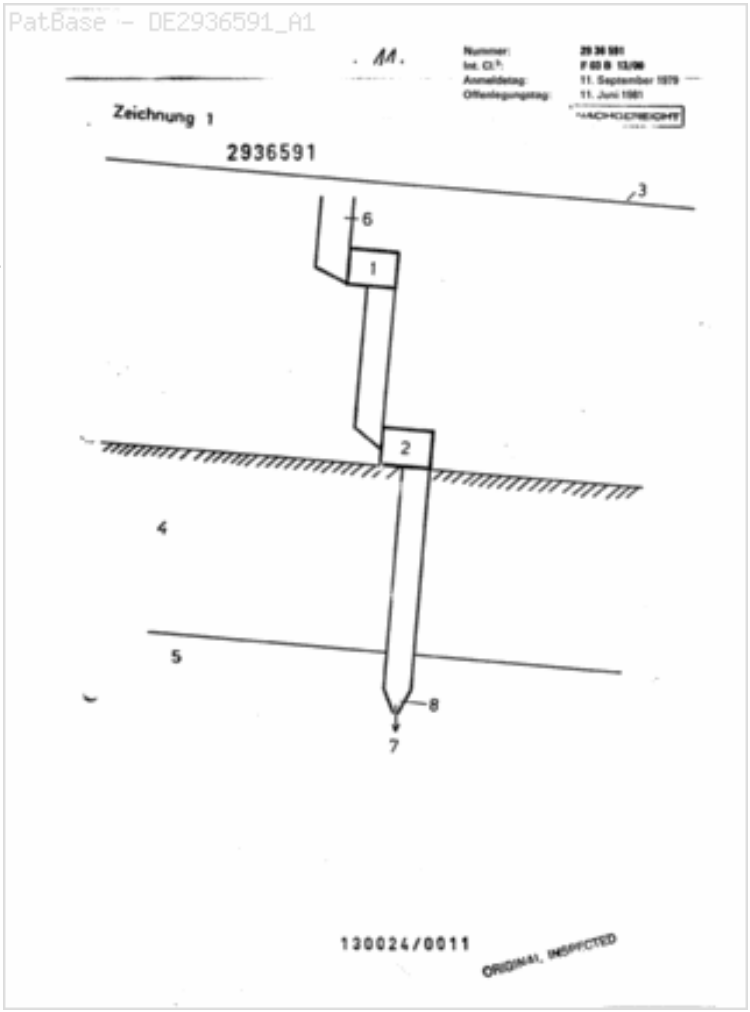
CPC: F03B13/00

European class: F03B13/00

Classification Explorer

Forward Citations: GB2426294, DE19513817, DE19513817,

Abstract:
Source: DE2936591A1 Nasserkraftwerk zur Erzeugung von elektrischem Strom in Gewaessern dadurch gekennzeichnet, dass mindestens eine Turbine in mindestens einem Canz oder teilweise unter Her asserob@rflaeche befindlichen Hohlraumsystem eingebaut ist, und dass die Turbine von wasser durchstroemt ist, das in unter dem Gewaesser befindliche mit Fluessigkeit gefullte Erdoel– oder Frdgasfelder und/oder mit Fluessigkeit gefuellte Lagerstaetten sonstiger Art und/oder in geeignete mit Fluessigkeit gefuellte Gesteins– oder Erdschichten geleitet ist, wobei der Hoehenunterschied zwischen dem Hohlraumsystetn mit mindestens einer Turbine und der mit Fluessigkeit gefuellten Lagerstaette so nroo ist, dass die Druckkraft des Fallwassers den Fluessigkeitsinhalt der Lagerstaette nach unten und zur Seite bzw, nach allen Seiten verdraengt. The hydroelectric generating station taps the energy from flowing streams in the open sea. Masses of water are made to pass through a turbine in an existing field, such as one formerly used for oil or gas extraction. The turbine is inserted in the underwater cavity system using the difference in height between the cavity system (1/2) and the worked out field. The pressure of the water drop presses the liquid in the field downwards and outwards at the sides. The down pipe is fitted with a nozzle (8) at the bottom end. The down pipe is anchored in a cement or concrete base.



29) Family number: 54909208 (US2015045850A) © PatBase

Title: DEVICES AND METHODS FOR THE TREATMENT OF METABOLIC DISORDERS

Priority: US20140825459 20141103 US20160241479 20160819 WO2012EP55831 20120330

Family:

Publication number	Publication date	Application number	Application date
US2015045850 AA	20150212	US20120825459	20120330
US2016367802 AA	20161222	US20160241479	20160819
US9427580 BB	20160830	US20120825459	20120330
WO13143608 A1	20131003	WO2012EP55831	20120330

Probable Assignee: ETHICON ENDO SURGERY INC

Assignee(s):(std)**:** BORK TORALF ; CRIVELLI ROCCO ; D ARCANGELO MICHELE ; ETHICON ENDO SURGERY INC ; HARRIS JASON ; MIGURAS MATHILDE ; TARDY YANIK S ; PFLEIDERER MARTIN ; PASTORELLI ALESSANDRO ; ORTIZ MARK STEVEN ; ORTIZ MARK S ; TARDY YANIK ; HARRIS JASON L

Inventor(s):(std)**:** BORK TORALF ; CRIVELLI ROCCO ; D ARCANGELO MICHELE ; HARRIS JASON ; HARRIS JASON L ; MIGURAS MATHILDE ; ORTIZ MARK S ; ORTIZ MARK STEVEN ; PASTORELLI ALESSANDRO ; PFLEIDERER MARTIN ; TARDY YANIK ; TARDY YANIK S

Agent(s): MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC; LEIHKAUF STEFFEN FALK 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): A61F5/00 A61N1/05 A61N1/36 (Advanced/Invention)

CPC: A61F5/0026 A61F2005/0016 A61F2005/002 A61N1/36007 A61N1/0509 A61N1/0517

US class: 1/1 607/40

Classification Explorer

Cited documents: WO10143181 A1, US2014277249 AA, US2013035740 AA, US2010268306 AA, US2010056948 AA, US2008319504 AA, US2007021736 AA,

Forward Citations: US2016121111, US2014236254,

Abstract:
Source: US2015045850A An implantable system for stimulating the release of satiety hormone in a subject comprises a stimulus device (11) which is implantable in the subject and adapted to apply an electrical stimulus to a tissue of a gastrointestinal system of said subject, and a detection device which is implantable in the subject and adapted to continuously monitoring at least one of a mechanical characteristic and an electrical characteristic of the subject to detect an ingestion of food by said subject, wherein the detection device cooperates with the stimulus device (11) such that the stimulus device (11) applies said electrical stimulus in response to a detected ingestion of food.

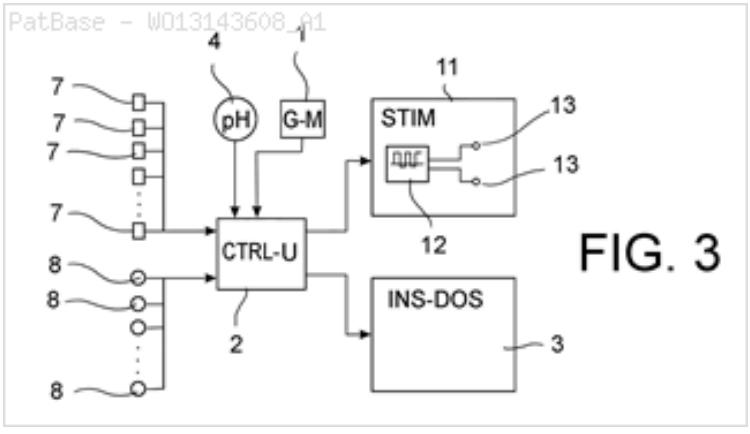


FIG. 3

0) SE200004550A – HAVSHUS

30) Family number: 14263547 (SE200004550A) © PatBase

Title: HAVSHUS

Priority: SE20000004550 20001211

Family:

Publication number	Publication date	Application number	Application date
SE200004550 A	20020612	SE20000004550D	20001211
SE200004550 A0	20001211	SE20000004550	20001211
SE200004550 L	20020612	SE20000004550	20001211
SE523904 C2	20040601	SE20000004550	20001211

Probable Assignee: KEMENY JOSEF

Assignee(s):(std)**:** JOSEF KEMENY ; KEMENY JOSEF

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

Inventor(s): JOSEF KEMENY

International class (IPC 8–9)**:** B63B35/44 (Advanced/Invention); B63B35/44 (Core/Invention); B63B (Subclass/Invention)

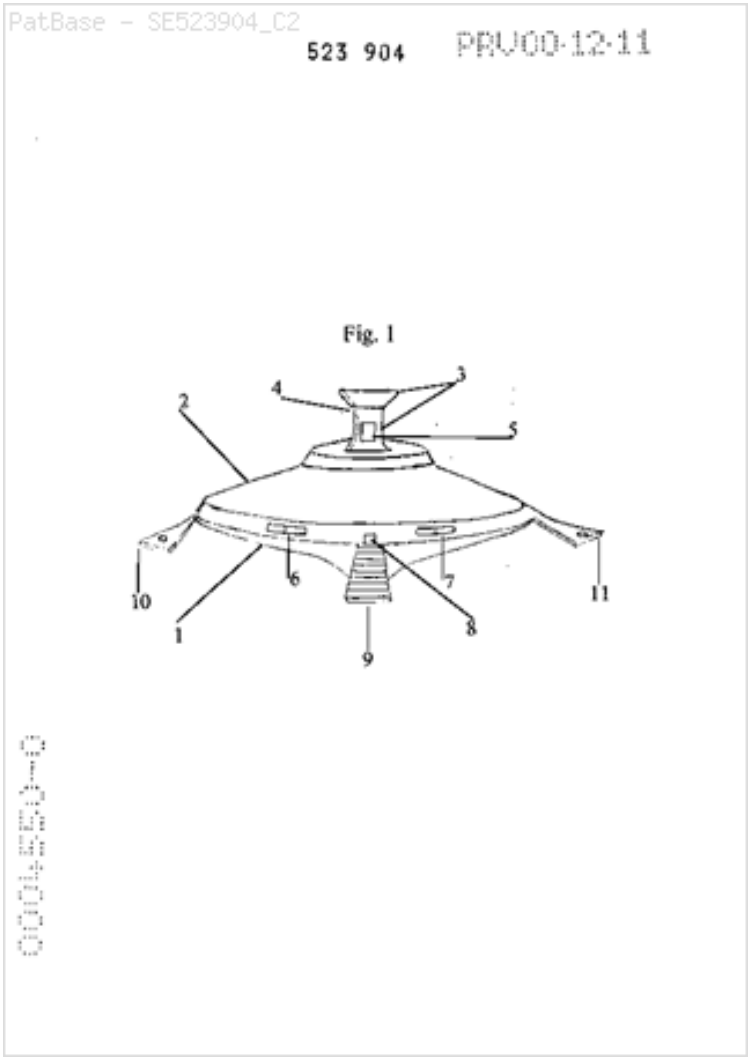
International class (IPC 1–7)**:** B63B35/44

CPC: B63B35/44

European class: B63B35/44

Classification Explorer

Abstract:
Source: SE200004550A The sea house comprises a base or body (1), an intermediate part for residence (2), a cylindrical upper part (3) with a roof terrace/landing place for small, light helicopters and is placed onn four equal size lowerable and regulatable legs (9,10,11,13) which stand freely from the ground on a stable concrete platform. When the water level rises, the water mass lifts up the house, so that it floats like a boat. Two columns locate firmly in the ground surface, maintaining the house in place.



31) Family number: 31306421 (US2870261A) © PatBase

Title: ARRANGEMENT OF SUBSCRIBERS' CIRCUITS IN ELECTRONIC TELEPHONE EXCHANGES

Priority: 19540804 DE1955N011001 19550731 DE1955P014566 19550729 DE19803018544 19800514 DE1956N012534 19560726 DE1956N012533 19560726 US19550523901 19550722 US19560592843 19560621

Family:

Publication number	Publication date	Application number	Application date
BE549884 A	19570128		00000000
BE549911 A	00000000		00000000
CH333037 A	19580930		19550804
CH354811 A	19610615		19560728
DE1004674 B	19570321	DE1956N012534	19560726
DE1045451 B	19581204	DE1956N012533	19560726
DE1232241 A	00000000		00000000
DE1232241 B	19670112	DE1955P014566	19550729
DE3018544 A1	19811119	DE19803018544	19800514
DE3018544 C2	19850207	DE19803018544	19800514
DE951014 A	19561018	DE1955N011001	19550731
DK213581 A	19811115	DK19810002135	19810513
FI811476 A	19811115	FI19810001476	19810513
FI811476 L	19811115	FI19810001476	19810513
FR1128810 A	19570110		19550803
FR1156990 A	19580523		19560726
FR1167718 A	19581128		19560730
GB333974 A	19300828	GB19290017255	19290605
GB774959 A	19570515	GB19550022012	19550729
GB800657 A	19580827	GB19560023294	19560727
GB809090 A	19590218	GB19560023139	19560726
NL189724 B	00000000		00000000
NL189724 C	19930701	NL19810002207	19810506
NL209353 A	00000000		00000000
NL8102207 A	19811201	NL19810002207	19810506
NL84695 C	00000000		00000000
NL87359 C	00000000		00000000
NO811533 A	19811116	NO19810001533	19810506
SE436509 B	19841217	SE19810002653	19810427
SE436509 C	19850328	SE19810002653	19810427
SE8102653 A	19811115	SE19810002653	19810427
SE8102653 L	19811115	SE19810002653	19810427
US2854579 A	19580930	US19550523901	19550722
US2870261 A	19590120	US19560592843	19560621

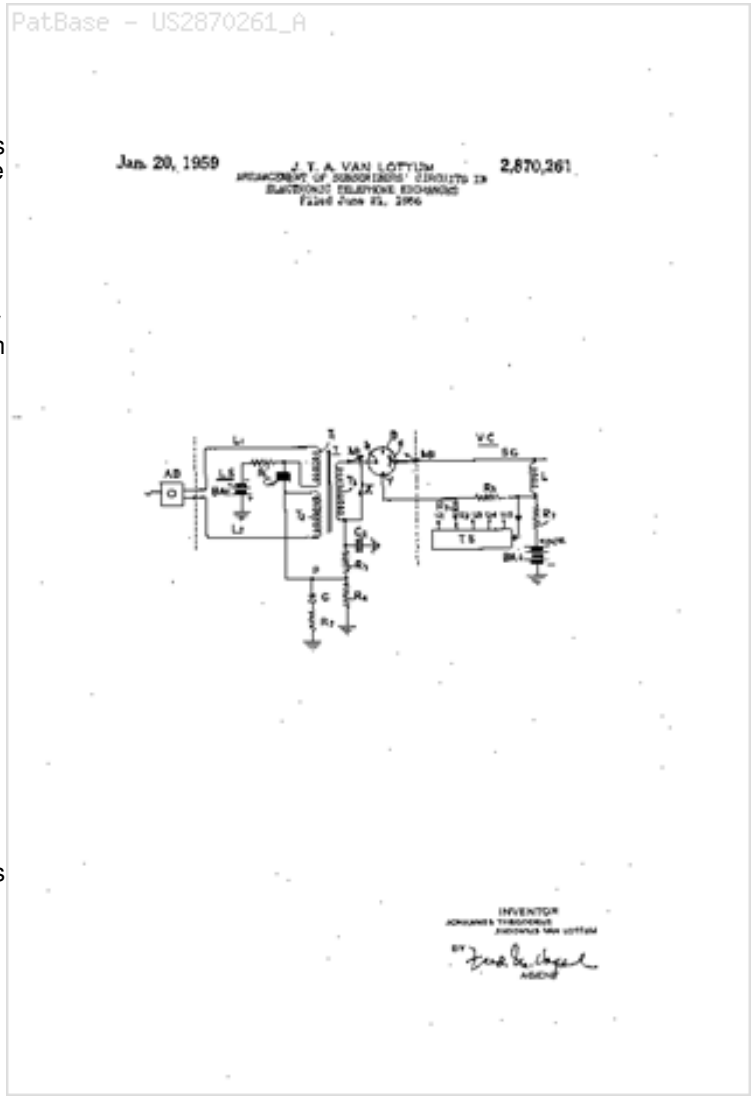
Probable Assignee: NORTH AMERICAN PHILLIPS COMPAN

Assignee(s):(std)**:** ACTIVATED SLUDGE LTD ; AUG WINKHAUS ; AUG WINKHAUS FA ; FIRMA AUG WINKHAUS TE TELGTE BONDSREPUBLIEK DUITSL ; JAMES ALGER COOMBS ; PHILIPS NV ; WINKHAUS A ; PHILIPS CORP ; PHILIPS ELECTRICAL IND LTD ; PHILIPS PATENTVERWALTUNG ; NORTH AMERICAN PHILLIPS COMPAN ; WINKHAUS AUG ; WINKHAUS AUGUST FA ; WINKHAUS FA AUGUST

Assignee(s):

	ACTIVATED SLUDGE LIMITED ; PHILIPS PATENTVERWALTUNG G M B H ; PHILLIPS ELECTRICAL INDUSTRIES LIMITED ; PHILIPS ELECTRICAL INDUSTRIES LIMITED ; NORTH AMERICAN PHILLIPS COMPANY INC ; NORTH AMERICAN PHILIPS COMPANY INC ; PHILIPS PATENTVERWALTUNG GMBH ; PHILIPS GLOEILAMPENFABRIEKEN NV ; NORTH AMERICAN PHILLIPS CO INC ; FIRMA AUG WINKHAUS ; FIRMA AUG WINKHAUS TE TELGTE BONDSREPUBLIEK DUITSLAND ; NORTH AMERICAN PHILIPS CO INC ; N V PHILIPS GLOEILAMPENFABRIEKEN ; FA AUG WINKHAUS ; FA AUG WINKHAUS 4404 TELGTE DE
Inventor(s):(std)	DE VRIJER FREDERICK WILLEM ; FREDERIK WILLEM DE VRIJER ; GRUNEL FRIEDRICH WILHELM ; KORTENBREDE L ; KORTENBREDE LUDGER ; NAUTA CORNELIS ; THEODORUS ANTONIUS VAN LOTTUM ; VERSTER NICO FREDERICK ; L KORTENBREDE ; LOTTUM JOHANNES THEODORUS ANTO ; VRIJER FREDERIK WILLEM DE
Inventor(s):	WILLEM DE VRIJER FREDERIK ; LOTTUM JOHANNES THEODORUS ANTONIUS VAN ; ANTONIUS VAN LOTTUM JOHANNES THEODORUS ; VRIJER FREDERICK WILLEM DE ; KORTENBREDE LUDGER 4404 TELGTE DE
International class (IPC 8–9):	B01D21/00 E05B67/00 H01H36/00 H01H5/02 H03K5/02 H03L7/18 H03L7/183 H04N5/06 H04Q3/52 (Advanced/Invention); B01D21/00 E05B67/00 H03K5/02 H03L7/16 H04N5/06 H04Q3/52 (Core/Invention)
International class (IPC 1–7):	B01D21/18 C02C1/34 E05B65/36 E05B67/00 E05B67/02 E05B67/06 E05B67/24 E05B67/36 E05B7/00 E05B71/00
CPC:	H04Q3/525 H01H5/02 H01H36/0073 H01H2003/506 H03L7/18 H03L7/183 H04N5/06 E05B67/003 H03K5/02
European class:	85C6A 85C6E1A 95C20B B01D21/06 B01D21/24A B01D21/24A4 B01D21/24N E05B67/00B H01H36/00C H01H5/02 H03K5/02 H03L7/18 H03L7/183 H04N5/06 H04Q3/52L T01H3/50C
US class:	327/115 327/117 331/16 331/175 331/18 331/23 331/51 331/76 348/E05.011 348/E5.011 379/413
Classification Explorer	
Cited documents:	US2773934 A, US2766326 A, US2715656 A, US2521789 A, DE699682 A, DE6944529 U, DE520540 A, DE402597 A, DE333312 A, DE260167 A,
Forward Citations:	WO9412997, WO07082511, US5864272, US4933014, US4923519, US3851108, US3383619, US3375448, US3369205, US3333695, US3260821, US3251003, US3217267, US3190964, US3165706, US3163823, US3134857, US2985725, US2649412, US2418189, FR2804240, FR2698720, EP0476318, EP0476260, DE978013, DE4230813, DE3335662, DE19937126, DE1640426, DE1271243, DE1260523, DE1208137, DE102010029817,

Abstract:
Source: GB333974A 333,974. Coombs, J. A., and Activated Sludge, Ltd. June 5, 1929. Gravity–separation apparatus.– Matter deposited on the floor of a settling tank is swept or moved centrifugally into pits or sumps provided beyond the edge of the floor. Sewage or other liquid is supplied to the tank 1, Fig. 6, through a central vertical pipe 12 which delivers into a container 12, which is closed at the bottom and directs the liquid upwards into a cylindrical casing 13, from which it passes downwards and is distributed to flow outwardly through the tank, so that solid matter settles on the floor, the clear liquid overflowing into a circumferential effluent trough 9. The settled solid matter is moved from the floor, which is preferably inclined, by rotary sweepers or scrapers 3 and pushed into sumps 7, which may be arranged circumferentially around a circular tank or situated in the corners of a rectangular one. The flow of liquid to the channel 9 may be regulated by means of a vertical cylindrical perforated baffle 20. The liquid is initially supplied to either end of a hollow cross–beam 25 and passes thence to the pipe 12. The arms carrying the scrapers have wheels 16 travelling' on a rail 4 and their inner ends are hinged to the container 12x which is carried by a shaft 14, rotated in bearings in the cross–beam 25 by a motor 27 and worm gearing 26. In the form shown a central sump 32 is provided, the solid matter settling therein being directed to an outlet pipe 34 by scrapers on a frame 13. Vanes or blades 28 which give a rotational movement to the liquid may be provided within the casing 13, these being fixed either to the casing or to the container 12x. Sludge collecting in the sumps 7 may be raised by air lifts to an annular discharge channel 11. The upper edge of the baffle or partition 20 may be formed as an overflow trough similar to and connected with the trough 9. In an arrangement shown in Fig. 1, a rectangular tank is provided with branch overflow troughs 9 extending diagonally over the sumps 7 at the corners and communicating with the trough 9. A modification is described in which an annular channel is provided between the sumps 7 at the edge of the floor and additional sweeping devices at the end of the rotary scraper arms push the matter collecting in the channels into the sump.



0) US5569156A – ELECTROHYDRAULIC VENTRICULAR ASSIST DEVICE

32) Family number: 8503602 (US5569156A) © PatBase

Title: ELECTROHYDRAULIC VENTRICULAR ASSIST DEVICE

Priority: CA19932105908 19930910 CA19932105908 19930910 US19950451522 19950526 US19940303766 19940909 CA19932105935 19930910 WO1994CA00492 19940909

Family:

Publication number	Publication date	Application number	Application date
AU199476074 A1	19950327	AU19940076074	19940909
CA2105908 AA	19950311	CA19932105908	19930910
CA2105908 C	20030128	CA19932105908	19930910
CA2105935 AA	19950311	CA19932105935	19930910
CA2105935 C	20010327	CA19932105935	19930910
DE69419420 D1	19990812	DE19946019420	19940909
DE69419420 T2	19991118	DE19946019420T	19940909
EP0717640 A1	19960626	EP19940926076	19940909
EP0717640 B1	19990707	EP19940926076	19940909
JP3619520 B2	20050209	JP19950508369T	19940909
JP9503933 T2	19970422	JP19950508369T	19940909
US5569156 A	19961029	US19940303766	19940909
US5704891 A	19980106	US19950451522	19950526
WO9507109 A1	19950316	WO1994CA00492	19940909

Probable Assignee: OTTAWA HEART INST RESEARCH COR

Assignee(s):(std): OTTAWA HEART INST RESEARCH COR

Assignee(s): OTTAWA HEART INST RESEARCH CORP ; OTTAWA HEART INST RESEARCH CORP OTTAWA ; OTTAWA HEART INST RESEARCH CORP OTTAWA ONTARIO CA ; MUSSIVAND TOFY ; OTTAWA HEART INST

Inventor(s):(std): MUSSIVAND TOFY

Inventor(s): MUSSIVAND TOFY NAVAN ONTARIO K4B 1H9 CA ; TOFY MUSSIVAND

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AM 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 KE KG KP KR KZ LI LK LT 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 TT UA UZ VN

International class (IPC 8–9): A61M1/10 A61M1/12 (Advanced/Invention); A61M1/12 (Advanced/Non–invention); A61M1/10 (Core/Invention)

International class (IPC 1–7): A61M1/10 A61M1/12 A61N1/362

CPC: A61M1/1063 A61M1/1086 A61M1/1037 A61M1/12

European class: A61M1/10E2 A61M1/10R K61M1/10E K61M1/10E4H2 K61M1/12

US class: 600/16 623/3 623/3.28

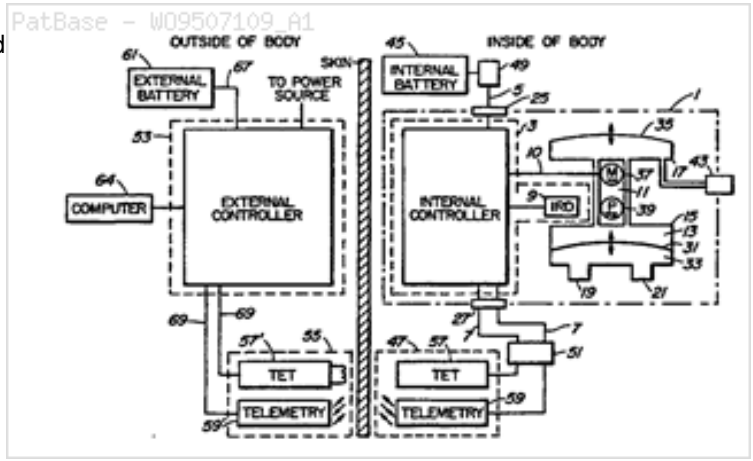
Classification Explorer

Cited documents: US5133743 A, US5129789 A, US5089020 A, US5089018 A, US5089016 A, US4981484 A, US4976729 A, US4888011 A, US4838889 A, US4820301 A, US4781715 A, US4704120 A, US4588404 A, US4547991 A, US4397049 A, US4222127 A, US4173796 A, US3919722 A, US3744243 A, GBA2239802, GB2239802 A1, CA2047534 AA, CA2007439 AA, CA1188852 A1,

Forward Citations: WO12087819, WO12087819, WO07053881, WO0180927, USRE44695, US9592397, US9585991, US9585607, US9583874, US9572917, US9561375, US9555176, US9538946, US9532741, US9510782, US9504773, US9498159, US9498155, US9463268, US9451908, US9427183, US9420968, US9420965, US9414777,

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Abstract:
Source: US5569156A The invention is directed to a unified system for an electrohydraulic ventricular assist device adapted for implantation in the thorax and for cannulation to the blood circulatory system comprising an internal electronic controller for generating an actuating signal actuating means far converting the actuating signal into a back arid forth rhythmic displacement of a fluid, a blood pumping chamber having an inflow blood port and an outflow blood port for converting the back and forth displacement of the fluid into a rhythmic unidirectional displacement of blood through the inflow and outflow port, hermetic coupling means for supplying the internal electronic controller with a supply voltage, detecting means for generating the actuating signal in response to the status of the blood pumping chamber, a volume displacement chamber (VDC) acting as a reservoir for the back and forth rhythmic displacement of a fluid, and a support with a surface curvature compatible with the internal human sagittal and transverse chest wall curvatures for supporting the internal electronic controller, the actuating means, the blood pumping chamber, the hermetic coupling means and the detecting means in a compact structure with the blood pumping chamber arranged with the inflow and outflow ports oriented away from the support and the structure with an overall size that when the unified system is placed within the human thorax with the support surface adjacent the chest wall, the structure does not adversely compress adjacent organs.



0) WO05024415A2 – APPARATUS FOR MONITORING GEOTECHNICAL AND STRUC...

33) Family number: 31747464 (WO05024415A2) © PatBase

Title: APPARATUS FOR MONITORING GEOTECHNICAL AND STRUCTURAL PARAMETERS OF SOILS, ROCKS AND STRUCTURES IN GENERAL

Priority: EP20040770773 20040902 IT2003SV00034 20030909 WO2004IT00474 20040902

Family:

Publication number	Publication date	Application number	Application date
DE602004041158 D1	20130425	DE200460041158T	20040902
EP1664486 A2	20060607	EP20040770773	20040902
EP1664486 B1	20130227	EP20040770773	20040902
ITSV20030034 A1	20050310	IT2003SV00034	20030909
NO20061620 A	20060609	NO20060001620	20060410
NO333780 B1	20130916	NO20060001620	20060410
WO05024415 A2	20050317	WO2004IT00474	20040902
WO05024415 A3	20050519	WO2004IT00474	20040902

Probable Assignee: CSG SRL

Assignee(s):(std)**:** C S G S R L ; CSG SRL ; FOGLINO DANIELA ; FOGLINO LUIGI ; LOVISOLO MARIO

Inventor(s):(std)**:** FOGLINO DANIELA ; FOGLINO LUIGI ; LOVISOLO MARIO

Agent(s): PATENTANWAELTE BECKER AND AUE; Karaghiosoff Giorgio Alessandro

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): E02D1/02 E21B47/00 E21B47/01 E21B49/00 E21F17/00 G01N33/24 (Advanced/Invention); E02D1/00 E21F17/00 (Core/Invention); G01N (Subclass/Invention)

International class (IPC 1–7): E02D1/00 E21B47/01 G01N33/00 G01N33/24

CPC: E02D1/022 E21F17/00 G01N33/24

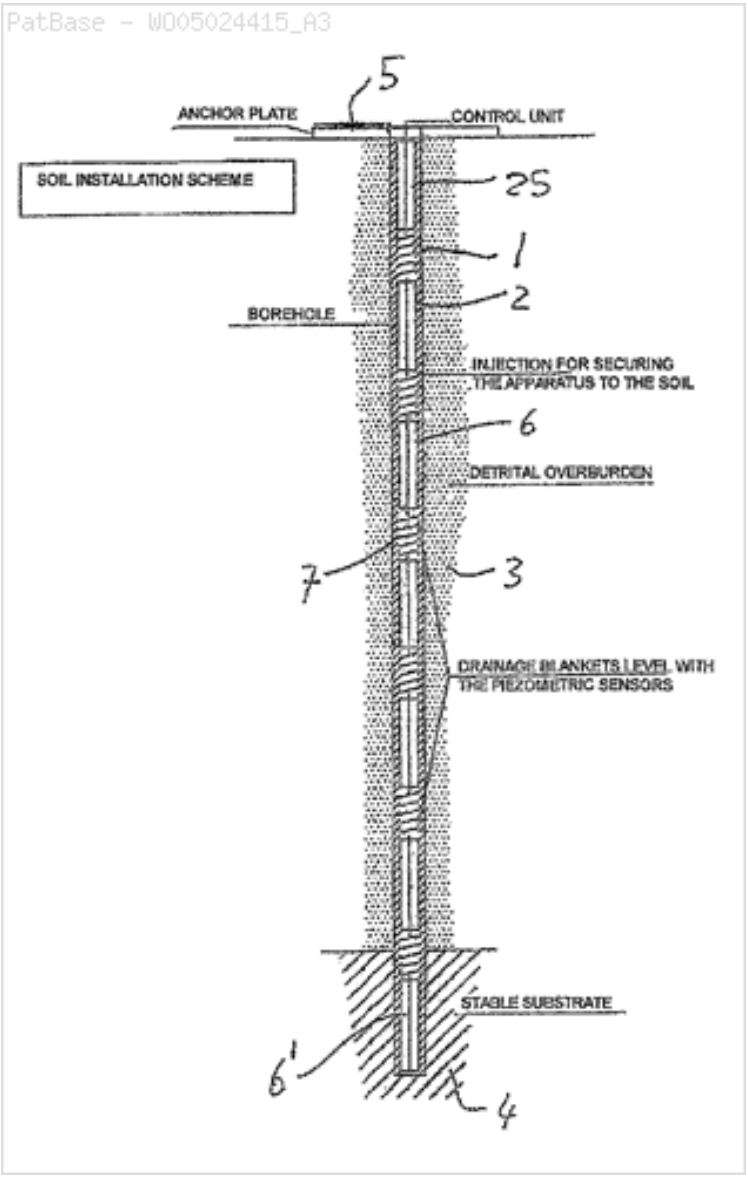
European class: E02D1/02B E21F17/00 G01N33/24

Classification Explorer

Cited documents: US5661464 A, US5475187 A, US5337613 A, EP0505276 A1,

Forward Citations: ITGE20110046, ITGE20110045, ES2319249, EP2527538, EP2514916,

Abstract:
The invention relates to an apparatus for monitoring geotechnical and structural parameters of soils (3) and structures in general, comprising at least one enclosure (6), housing at least one sensor (12, 17, 18, 21) for at least one parameter. According to the invention, the apparatus comprises at least two, preferably a plurality of rigid enclosures (6), each for housing at least one type of sensor (12, 17, 18, 21), which are arranged in succession and connected by non−rigid connections, particularly helical springs (7), which allow the apparatus to accommodate displacements of soil (3) without being damaged. In accordance with an improvement, means (35) are provided for stopping the axial extension of helical springs (7), to prevent the apparatus from breading due to landslide displacements. According to an additional improvement, means (32) are provided for removably securing the apparatus to the soil (3) to be monitored, i.e. anchor elements (32) which are adapted to expand radially within the borehole (1). These elements (32) are arranged in a predetermined order all along the apparatus.



0) EP0655535A1 – METHOD AND APPARATUS FOR DREDGING A TRENCH IN A...

34) Family number: 9308543 (EP0655535A1) © PatBase

Title: METHOD AND APPARATUS FOR DREDGING A TRENCH IN A WATER BED.

Priority: NL19930002037 19931125

Family:

Publication number	Publication date	Application number	Application date
DE69405354 D1	19971009	DE19946005354	19941124
EP0655535 A1	19950531	EP19940203420	19941124
EP0655535 B1	19970903	EP19940203420	19941124
NL9302037 A	19950616	NL19930002037	19931125

Probable Assignee: HAK A NEDERLAND BV

Assignee(s):(std)**:** A HAK NEDERLAND BV ; HAK A NEDERLAND BV

Assignee(s): A HAK NEDERLAND B V ; A HAK NEDERLAND B V TRICHT NL

Inventor(s):(std)**:** DE VALCK JOZEF P A ; DE VALCK JOZEF PETRUS ANTONIUS

Inventor(s): DE VALCK JOZEF PETRUS ANTONIUS NL 7213 VW GORSSEL ; DE VALCK JOZEF PETRUS ANTONIUS NL 7213 VW...

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

International class (IPC 8–9): E02F1/00 E02F3/90 E02F9/06 (Advanced/Invention); E02F1/00 E02F3/88 E02F9/00 (Core/Invention)

International class (IPC 1–7): E02F1/00 E02F3/88 E02F3/90 E02F3/92 E02F9/06

CPC: E02F1/00 E02F3/907 E02F9/065

European class: E02F1/00 E02F3/90D E02F9/06B2

Classification Explorer

Cited documents: US2933837 A, NL7702503 A, NL7700999 A, FR2269134 A1,

Forward Citations: WO10079193, NL1033662, BE1018582,

Abstract:
Source: EP0655535A1 The invention relates to a method and an apparatus for dredging a trench in a bed. According to the method the cutter head of a cutter dredger is moved in a reciprocating motion parallel to the course of the trench to be dredged during the dredging, wherein the cutter head is moved perpendicular to the course after every motion. The apparatus comprises a seaworthy cutter dredger ship (100), which is pulled by cables (11–18) along the course of the trench. Advantageously the ship (100) has a shallow draught, and use is made of a dish cutter head on a movable vertical bearing girder.

PatBase - NL9302037_A

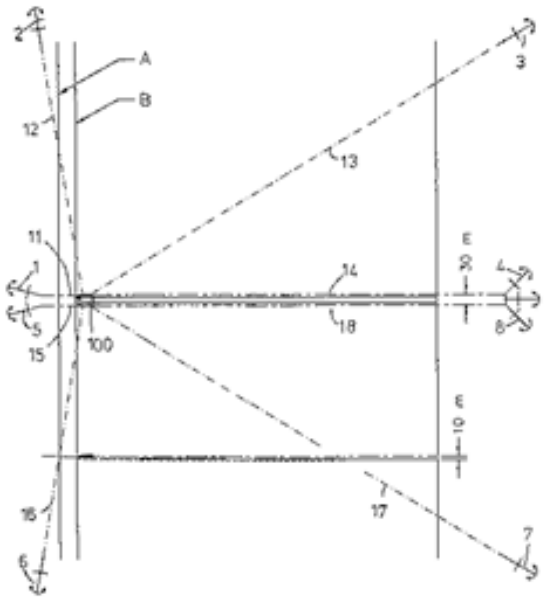


FIG.1A

9302037

0) WO06065158A1 – MODULAR IMPERMANENT HOUSING SYSTEM SYSTEME MODU...

35) Family number: 33086516 (WO06065158A1) © PatBase

Title: MODULAR IMPERMANENT HOUSING SYSTEM

Priority: PH12004000558 20041213

Family:

Publication number	Publication date	Application number	Application date
PH2004000558 A	20070716	PH20040000558	20041213
WO06065158 A1	20060622	WO2005PH00025	20051212

Probable Assignee: PURINO PHILIPP M

Assignee(s):(std)**:** PURINO PHILIPP M

Assignee(s): PHILIP PURINO

Inventor(s):(std)**:** PHILIP PURINO ; PURINO PHILIPP 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 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): E04H1/12 (Advanced/Invention); E04H1/12 (Core/Invention)

CPC: E04B1/24 E04B2001/2406 E04B2001/2415 E04B2001/2454 E04B2001/2463 E04B2001/249 E04H9/028 E04H9/145

European class: E04B1/24 E04H1/12B E04H9/14F P04B1/24B2 P04B1/24B4 P04B1/24B42 P04B1/24B52 P04B1/24R P04H9/02S

Classification Explorer

Cited documents: US6286269, KR880019844 U, JP2003085197, JP11350760,

Forward Citations: GB2449358,

Abstract:
The present invention provides at short notice a fast–and–easy–assemble modular impermanent housing system, which is an immediate response to the human need for basic emergency shelter. The system is divided into five major divisions: the main structural framing system, sub–framing system, fenestration system, utility system and the architectural finishing system. The main focus is the main structural framing system which comprises pre–cut, pre– engineered and pre–fabricated building components starting from the concrete footingl; connected to the steel cylindrical pedestal pipe (2,3); followed by a cube–connector (4); and then the first batch of the plurality of steel beams (5) and brackets (6) system; succeeded by the steel cylindrical pipe?ost (7,8); the second batch of steel beams (10) and bracket (11) system follows next; and lastly is the roof framing holder plate (12). An adjustable cube–connector (9) will serve as the x–factor that makes the present invention a modular impermanent housing system adaptable to sloping or any kind of site terrain.

PatBase - WO006065158_A1

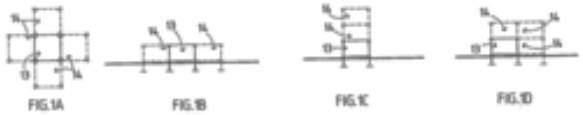


FIGURE 1

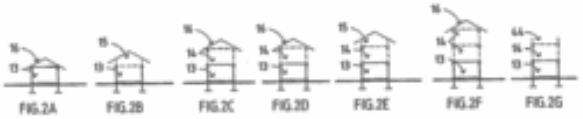


FIGURE 2

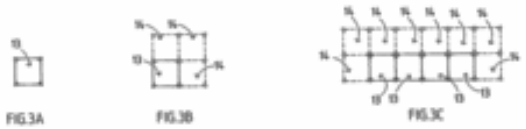


FIGURE 3

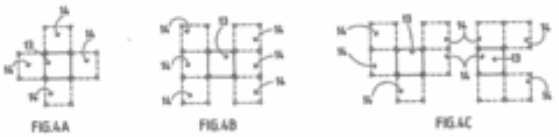


FIGURE 4

0) DE102007022498A1 – SHIP E.G. FERRY SHIP, YACHT I.E. SPEED YACHT, O...

36) Family number: 42513721 (DE102007022498A1) © PatBase

Title: SHIP E.G. FERRY SHIP, YACHT I.E. SPEED YACHT, OR BOAT I.E. RECREATIONAL BOAT, DESIGN FOR E.G. TOWING KITE DRIVE, HAS TWO BOOMS ARRANGED EITHER ALTERNATIVELY OR EQUILATERALLY, WHERE BOOMS ARE TEMPORARILY CONNECTABLE WITH EACH OTHER IN PAIR

Priority: DE200710022498 20070514

Family:

Publication number	Publication date	Application number	Application date
DE102007022498 A1	20081120	DE200710022498	20070514

Probable Assignee: MEYER FLORIAN

Assignee(s):(std)**:** MEYER FLORIAN

International class (IPC 8–9)**:** B63H19/00 B63H9/04 (Advanced/Invention); B63H19/00 B63H9/00 (Core/Invention)

CPC: B63B1/10 B63B2001/102 B63B2001/205 B63H9/0685

European class: B63B1/10 B63H9/06E L63B1/10A L63B1/20M1

Classification Explorer

Cited documents: DE10142447, AT272127 B,

Forward Citations: EP2298637,

Abstract:
The design has two booms arranged either alternatively or equilaterally, where the booms are temporarily connectable with each other in a pair as well as variable. Multiple sliding guides are fastened between the booms and a hull side, where the sliding guides are alternatively regulatable in a potential manner. The two booms are elongated and located opposite to a boom hull. A kite e.g. towing kite, is connected in a top deck of an e.g. ferry ship, in a distant height and range with a rope, where the rope is specifically adjustable in the length and force.

0) US4819493A – AUTOMOBILE ELECTRIC DOOR LOCK ACTUATOR

37) Family number: 12782353 (US4819493A) © PatBase

Title: AUTOMOBILE ELECTRIC DOOR LOCK ACTUATOR

Priority: CA19880563723 19880408 FR19880011375 19880830 GB19880022142 19880921 US19870098654 19870921

Family:

Publication number	Publication date	Application number	Application date
BRPI8804858 A	19890425	BR1988PI04858	19880920
CA1313459 A1	19930209	CA19880563723	19880408
DE3817929 A1	19890406	DE19883817929	19880526
ES2009041 AF	19890816	ES19880002872	19880921
FR2620757 A1	19890324	FR19880005165	19880419
FR2620757 B1	19950324	FR19880005165	19880419
FR2620782 A1	19890324	FR19880011375	19880830
FR2620782 B1	19950127	FR19880011375	19880830
GB2210118 A1	19890601	GB19880022142	19880921
GB2210118 B2	19920415	GB19880022142	19880921
GB2241737 A1	19910911	GB19910004542	19910304
GB2241737 B2	19920415	GB19910004542	19910304
GB8822142 A0	19881026	GB19880022142	19880921
GB9104542 A0	19910417	GB19910004542	19910304
IT1226717 A	19910205	IT19880021536	19880728
IT8821536 A0	19880728	IT19880021536	19880728
JP1083783 A2	19890329	JP19880135781	19880603
JP64083783 A2	19890329	JP19880135781	19880603
KR960011528 B1	19960823	KR19880005013	19880430
MX165962 B	19921211	MX19880013066	19880919
US4819493 A	19890411	US19870098654	19870921

Probable Assignee: STONERIDGE CONTROL DEVICES INC

Assignee(s):(std)**:** DORNAN ARTHUR E ; KELSEY HAYES CO

Assignee(s): KELSEY HAYES CO A CORP OF DE ; KELSEY HAYES CO ROMULUS MICH US ; STONERIDGE CONTROL DEVICES INC ; NATIONAL CITY BANK ; KELSEY HAYES CY ; KELSEY HAYES COMPANY ; STONERIDGE CONTROL DEVICES INC A OF MASSACHUSETTS ; STONERIDGE CONTROL DEVICES INC A OF MASSACHUSETTS CORP ; CHASE MANHATTAN BANK

Inventor(s):(std)**:** EDWARD DORNAN ARTHUR ; DORNAN ARTHUR EDWARD ; DORNAN ARTHUR E ; ARTHUR EDWARD DORNAN ; AASAA EDOWAADO DOONAN

Inventor(s): DORNAN ARTHUR EDWARD YPSILANTI MICH

Agent(s): G RONALD BELL AND ASSOCIATES

International class (IPC 8–9)**:** E05B65/12 E05B65/20 F16D43/24 F16H19/04 (Advanced/Invention); E05B65/12 E05B65/20 F16D43/00 (Core/Invention)

International class (IPC 1–7)**:** B60K E05B47/06 E05B65/20 E05B65/32 E05B65/36 F16D11/06 F16D19/00 F16D43/16 F16H19/04 H02K7/10

CPC: Y10T74/18808 Y10T74/19614 E05B81/25 E05B81/46 F16D43/24

European class: E05B81/25 E05B81/46 F16D43/24

US class: 192/103C 74/405 74/625 74/89.17

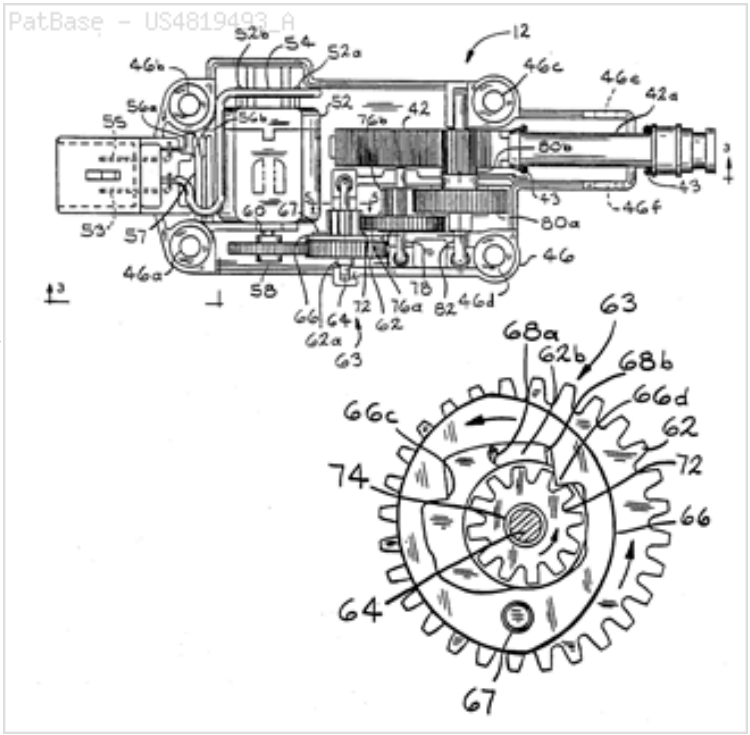
Classification Explorer

Cited documents:

US4706512 A, US4616527 A, US3783703 A, US2996156 A, US2737277 A, US2513798 A, US2262330 A, JP5224652 A2, JP52094618 B4, GB2159001 A1, GB2026592 A1, FR506642 A, FR486053 A, EP0198509 A1, EP0170577 A1, EP0106725 A1, DE3418802 C2,

Forward Citations: WO17018920, US8366159, US8322077, US8191442, US7213482, US7192066, US7032937, US6889571, US6557688, US6318196, US5983739, US5634676, US5024124, US2011163554, US2011120022, US2007126244, US2005052032, US2004074326, GB2291109, GB2291109, GB2287277, GB2287277, ES2177365, EP1389356, EP0790373, EP0788967, DE19516162, DE19516162, DE10216845, DE10216845, CN101881100, CN101881099,

Abstract:
Source: US4819493A An electric door lock actuator includes an outer casing which houses a reversible electric motor. The motor is coupled to a inertial clutch assembly and a gear train to reciprocally move a rack which extends outwardly from the casing between an advanced and a retracted position. The clutch assembly includes a drive gear coupled to the electric motor, and driven gear connected to operate the rack through the gear train. The clutch also includes an inertially operated clutch plate eccentrically mounted on the clutch drive gear and having a pair of arcuately spaced driving teeth alternately operably engageable with the driven clutch gear when the motor is driven in either a forward or a reverse direction. The clutch is operative to connect the motor to either advance or retract the rack when the motor shaft is operated in either a forward or a reverse direction. When the motor is not operating, the clutch disconnects the motor shaft from the rack such that the rack can move between the advanced and retracted positions without rotating the motor shaft.



0) DE3227704A1 – CENTRAL CONSUMPTION MEASURING DEVICE FOR DOMEST...

38) Family number: 3289264 (DE3227704A1) © PatBase

Title: Central consumption measuring device for domestic systems (cold water, hot water and hot water for heating requirements)

Priority: DE19823227704 19820724

Family:

Publication number	Publication date	Application number	Application date
DE3227704 A1	19840126	DE19823227704	19820724

Probable Assignee: DROSTE WAERMETECHNIK A

Assignee(s):(std)**:** DROSTE WAERMETECHNIK A

Assignee(s): A DROSTE WAERMETECHNIK

Inventor(s):(std)**:** DROSTE WILHELM KARL

International class (IPC 8–9): G01D11/24 (Advanced/Invention); G01D11/24 (Core/Invention)

International class (IPC 1–7): G01D11/24

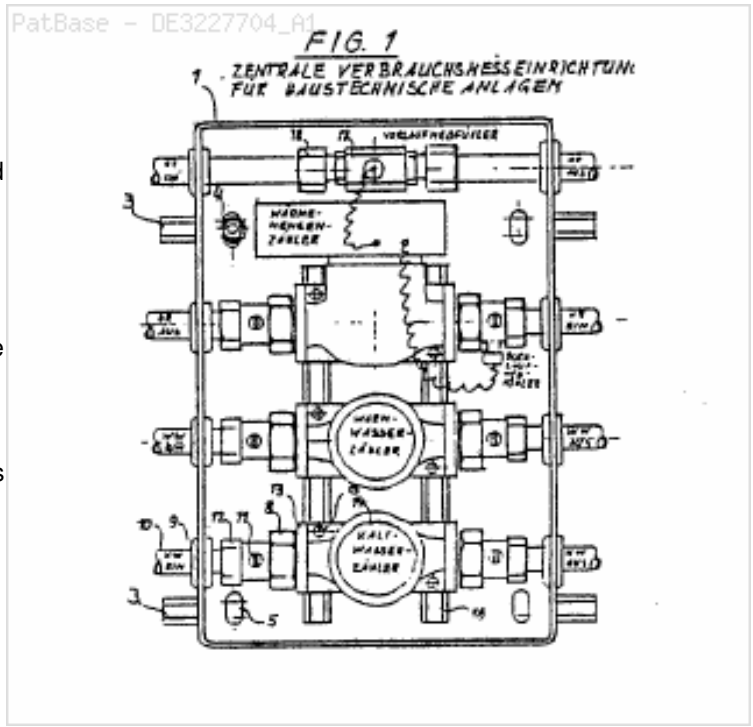
CPC: G01D11/24

European class: G01D11/24

Classification Explorer

Forward Citations: US6310261,

Abstract:
Source: DE3227704A1 It is the object of the invention to combine consumption measurements in domestic systems. The invention described is based on the concept of installing in the future one central consumption measuring device for cold water, hot water and hot water central heating in each flat in multiple dwellings. All pipelines branching off from a so–called riser line which consists of cold water, hot water, circulation line, heater supply and heater return are conducted to the central consumption measuring device and from there run on to the appropriate loads. The central consumption measuring device contains one meter each for cold water, hot water and calorimeter for the heater consumption. These meters are installed in a vented flush–mounted housing. All instruments have a separate blocking device and corresponding screw fittings for easy installation and removal.



39) Family number: 65267475 (WO17046190A2) © PatBase

Title: TERMINAL ENCLOSURE WITH MODULAR ASPECTS AND MODULES FOR INTERFACING WITH THE TERMINAL ENCLOSURE

Priority: US20150218263P 20150914 US20150218307P 20150914 US20150267120P 20151214 US20150218373P 20150914 US20150218317P 20150914 US20150267232P 20151214 US20160289712P 20160201 US20160326353P 20160422 US20160383021P 20160902 US20160289751P 20160201 US20160327871P 20160426 US20160342641P 20160527

Family:

Publication number	Publication date	Application number	Application date
WO17046185 A2	20170323	WO2016EP71735	20160914
WO17046190 A2	20170323	WO2016EP71740	20160914

Probable Assignee: COMMSCOPE CONNECTIVITY BELGIUM BVBA

Assignee(s): COMMSCOPE CONNECTIVITY BELGIUM BVBA

Inventor(s): AZNAG MOHAMED ; CLAES PAUL JOSEPH ; COENEGRACHT PHILIPPE ; DE BIE ALEXANDRE CAROLINE M ; DIEPSTRATEN PATRICK JACQUES ANN ; FREDERICKX MADDY NADINE ; HOUBEN DIEDERIK ; VAN GENECHTEN GEERT

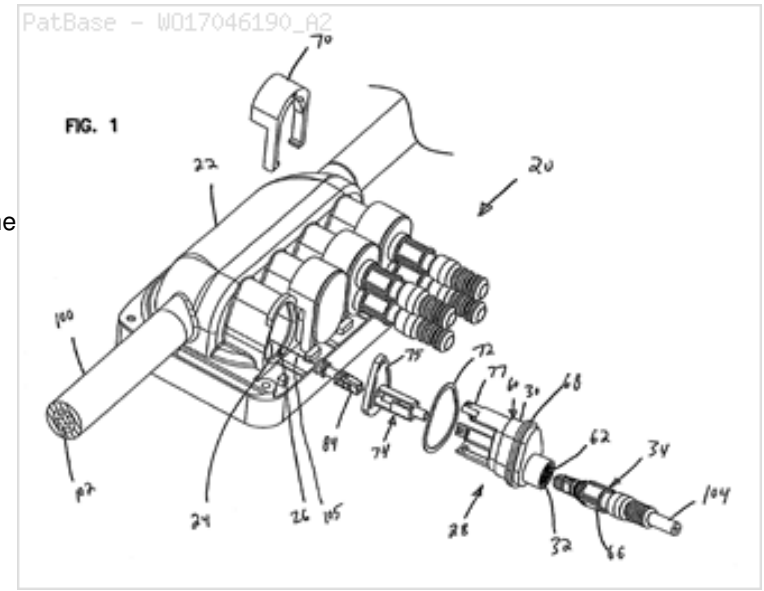
Agent(s): KEANE DAVID

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 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): G02B6/44 (Advanced/Invention)

Classification Explorer

Abstract:
Aspects of the present disclosure relate to a modular fiber optic distribution system for enhancing installation flexibility and for facilitating adding components to a terminal housing over time so as to delay cost. The system is configured to allow components (e.g., inserts, add–on modules, etc.) to be readily added to the terminal housing over time to expand capacity, provide upgrades and to provide forward and backward compatibility.



0) GB849131A – IMPROVEMENTS IN OR RELATING TO FUEL SYSTEMS FOR...

40) Family number: 20436404 (GB849131A)

© PatBase

Title: Improvements in or relating to fuel systems for propeller–driving gas turbine engines

Priority: GB19580022727 19580715 FR19590800063 19590715

Family:

Publication number	Publication date	Application number	Application date
BE588614 A1	19600701	BE19600588614	19600314
GB849131 A	19600921	GB19580022727	19580715

Probable Assignee: LUCAS INDUSTRIES LTD

Assignee(s):(std)**:** LUCAS INDUSTRIES LTD ; ROLLS ROYCE

Assignee(s): ROLLS ROYCE LIMITED ; JOSEPH LUCAS IND LTD ; JOSEPH LUCAS INDUSTRIES LIMITED ; LUCAS IND LTD

Inventor(s):(std)**:** BASFORD KENNETH ARNOLD ; BOTTOMS HARRY SIMISTER

International class (IPC 8–9)**:** B64D47/00 (Advanced/Invention)

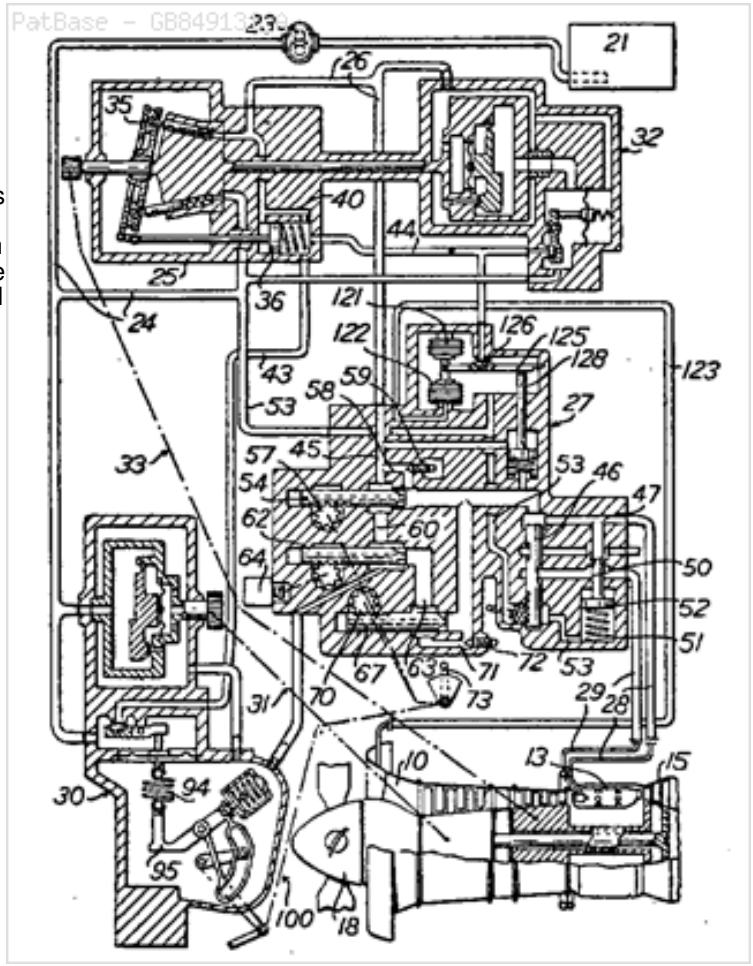
International class (IPC 1–7)**:** B64D47/00 F02C9/06

CPC: B64D47/00

European class: 46F45C2NP B64D47/00

Classification Explorer

Abstract:
Source: GB849131A 849,131. Driving variable pitch propellers. ROLLS–ROYCE Ltd., and LUCAS (INDUSTRIES) Ltd., J. June 18, 1959 [July 15, 1958], No. 22727/58. Class 114. [Also in Groups XXVI and XXIX] A fuel system for a gas turbine engine 15 driving a reversible pitch propeller 18 comprises two throttle valves 54, 67 arranged in parallel passages in a pressure fuel line 26, 29 leading to combustion equipment 13 of the engine, which throttles are connected via pinions 57, 70 to a pilot's control 73 so that one throttle (the forward throttle 54) is operative to vary the fuel supply during normal forward thrust operation and the other throttle (the reverse throttle 67) is operative to vary the fuel supply during operation with the propeller in reverse pitch.



0) BRPI0506274A – APERFEICOAMENTOS DOS SISTEMAS DE CONSTRUCAO DE ...

41) Family number: 39334248 (BRPI0506274A) © PatBase

Title: aperfeicoamentos dos sistemas de construcao de estruturas de concreto armado ou outro material mediante fErmas modulares e integrais de alta precisao Improvements to construction of systems of reinforced concrete structures or other material upon modular and integral fErmas high accuracy (Machine translation)

Priority: BR2005PI06274 20051207

Family:

Publication number	Publication date	Application number	Application date
BRPI0506274 A	20071002	BR2005PI06274	20051207

Probable Assignee: SIST S INDUSTRIALIZADOS BARCON

Assignee(s):(std)**:** SIST S INDUSTRIALIZADOS BARCON

Assignee(s): SISTEMAS INDUSTRIALIZADOS BARCONS S L

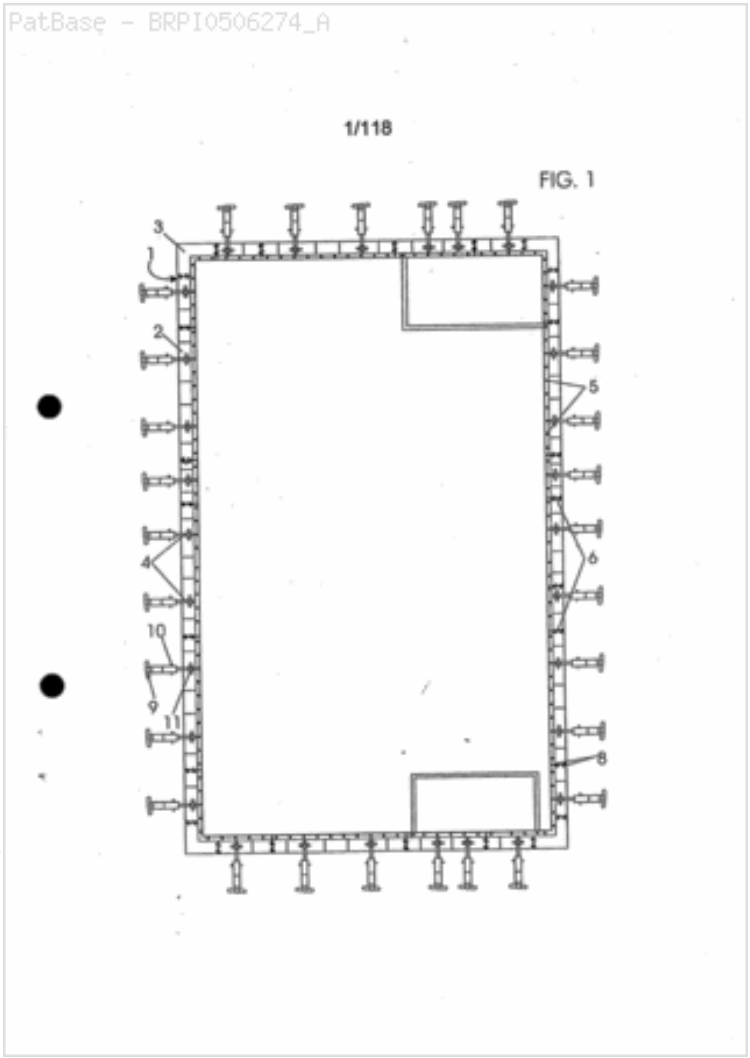
Inventor(s):(std)**:** BARCONS SALVADOR PUJOL

Inventor(s): SALVADOR PUJOL BARCONS

International class (IPC 8–9): E04G11/02 E04G11/08 E04G11/36 E04G11/48 E04G11/52 (Advanced/Invention); E04G11/00 (Core/Invention)

Classification Explorer

Abstract:
Source: BRPI0506274A 1 •:::: ««ss ss? « RESUMO APERFEICOAMENTOS DOS SISTEMAS DE CONSTRUCAO DE ESTRUTURAS DE CONCRETO ARMADO OU OUTRO MATERIAL MEDIANTE FORMAS MODULARES E INTEGRAIS DE ALTA PRECISAO 5 Consiste era: Montagem da forma (1), isolamento (22), armaduras (20) e estrutura do saneamento (18–19), construindo a laje de fundacao (27); Ajuste de um molde (12) que situa as instalacoes sanitarias (18–19) e outras e soldadura de varoes (21) para arranque de paredes; Retirada 10 do molde (12) e concretagem da forma (1); Recolocacao do molde (12), e cravacao de pecas em "U" (28) nos pontos assinalados por placas do molde (12); Extracao da placa (12), desformagem da laje (27) e colocacao de outro molde de paredes (37) para montagem, centragem e fixacao de armaduras 15 (20), isolamentos (61) e instalacoes (74–75–76–77) conforme indicacoes das pecas (28) e comprovacao do conjunto; Retirada do molde (37); Montagem do molde unindo os paineis modulares (41) mediante grampos autocentrantes (8) e separadores (98), situando caixas eletricas e demais, usando paineis cunha 20 (79 a 82) e esquadros (83–85–87); Previsao de moldes para geminadas e em altura sobrepondo (271) as suas paredes; Concretagem monolitica do molde incluindo escadas e outros; Desmontagem do molde desformagem paineis e modulos utilizando dispositivos proprios. 1 •:::: «« ss ss? "SUMMARY OF STRUCTURAL BUILDING IMPROVEMENTS SYSTEMS CONCRETE OR OTHER MATERIAL THROUGH MODULAR FORMS AND COMPREHENSIVE HIGH PRECISION 5 consists was: Installation of the form (1), insulation (22), armor (20) and sanitation structure (18– 19), building the foundation slab



(27); Setting a mold (12) which places the sanitary installations (18–19) and other and welding rods (21) to start–up walls; Withdrawal of the mold 10 (12), and concreting of the medium (1); Replacement of the mold (12) and crimping pieces in "U" (28) at the points indicated by the mold plates (12); Extraction of the plate (12), slab desformagem (27) and placement of another form walls (37) for assembly, centering and fixation of armor 15 (20), insulation (61) and installations (74–75–76–77) as indications of parts (28) and proof of the set; Mold removal (37); Fitting the mold joining the modular panels (41) by self–centering clamps (8) and tabs (98), placing eletricas boxes and other, using wedge panels 20 (79–82) and squares (83–85–87); Prediction of molds for twin and height overlapping (271) its walls; Monolithic concrete cast including stairs and others; Disassemble the mold desformagem panels and modules using own devices.

0) US2783120A – FACSIMILE RECORDER

42) Family number: 19822329 (US2783120A) © PatBase

Title: FACSIMILE RECORDER

Priority: US19520279261 19520329

Family:

Publication number	Publication date	Application number	Application date
BE518824 A	00000000		00000000
CH322492 A	19570615		19530328
DE1035195 B	19580731	DE1953I007080	19530328
FR1082656 A	19541231		19530328
GB734435 A	19550803	GB19530002738	19530130
US2783120 A	19570226	US19520279261	19520329

Probable Assignee: WESTERN UNION TELEGRAPH CO

Assignee(s):(std)**:** CREED AND CO LTD ; INT STANDARD ELECTRIC CORP ; STANDARD TELEPHONE AND RADIO SA ; WESTERN UNION TELEGRAPH CO

Assignee(s): STANDARD TELEPHONE ET RADIO S A

Inventor(s):(std)**:** DOUGLAS MADDEN ZABRISKIE ; ZABRISKIE DOUGLAS M ; ZABRISKIE DOUGLAS MADDEN

Inventor(s): MADDEN ZABRISKIE DOUGLAS

International class (IPC 8–9): H04N1/00 H04N1/14 (Advanced/Invention); H04N1/00 H04N1/12 (Core/Invention)

International class (IPC 1–7): B41J23/32 H04N1/02 H04N1/14

CPC: H04N1/00681 H04N1/00687 H04N1/14

European class: H04N1/00G H04N1/00G2B H04N1/14

US class: 346/139.00A 346/139A 347/159

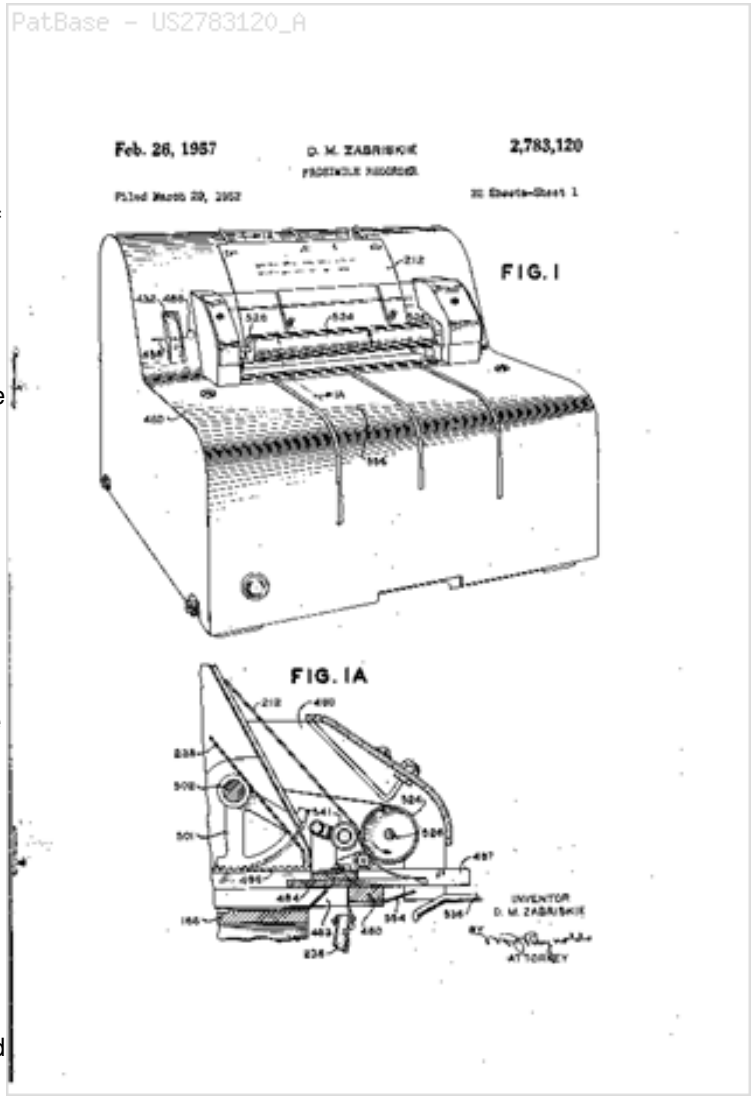
Classification Explorer

Cited documents: US2715055 A, US2639211 A, US2621999 A, US2591138 A, US2590554 A, US2530739 A, US2464970 A, US2398352 A, US2397562 A, US2278919 A, US2261316 A, US2141975 A, US1770888 A, US1604732 A, US1564634 A, DE848970 A, DE567256 A,

Forward Citations: US4178601, US3683412, US3080561, FR2376579,

Abstract:
Source: GB734435A 734,435.
Copying–telegraph receivers. CREED and CO., Ltd. Jan. 30, 1953 [March 29, 1952], No. 2738/53. Class 40(3). Facsimile receiving apparatus comprises an endless belt upon which are mounted a number of stylus units, a first guide member arranged in supporting engagement with the underside of one edge of the belt, a second guide member mounted parallel to, but out of contact with, the other edge of the belt and having a straight edge arranged to engage said stylus units during their scanning travel, and spring means arranged to exert a constant pressure on each stylus while in the scanning position to hold the stylus units in uniform pressure contact with the second guide member during the scanning period. The belt 70 carrying the stylus units passes over a metal pulley 46 keyed to the shaft of a motor SM and over a similar idler pulley 52 adjustably mounted in a bracket 56. Each stylus holder 82 is secured to a block 22 secured by rivets to the belt, and in the zone where the styli 84 engage the recording paper the rear edge of the belt 70 engages the top edge of a rail 120 secured to a steel bar 110 which is itself secured to an insulating block 104 mounted on a supporting member 20. The stylus mem. bers 84 engage the top edge of a steel rail 116 also secured to the steel bar 110 and a leaf–spring 126 mounted on a block 122 secured to the bar 110 engages the upper surface of the stylus holders 82. A modified form of stylus holder and mounting is described in connection with Figs. 22–24 (not shown), and the stylus may be adjusted within its holder, Figs. 22A, 22B (not shown). In a modification, Fig. 24A (not shown), a double leaf–spring engaging spaced points on the stylus holder is employed. The setting of the styli relative to the recording paper is facilitated by a gauge member comprising an arm 140 rotatable to a fixed position and carrying an adjustable anvil member 152, the inner end of which acts as an abutment against which the point of the stylus 84 is set. Paper – feed arrangements.– The recording paper 212 is fed from a roll 181 through a guide channel comprising plates 214, 216 terminating adjacent a platen 236 which comprises a pivoted aluminium bar having bent–over guide–plates and a groove 248 opposite the line of traverse of the stylus 84. A spring 250 stretched between brackets, one of which is shown at 252, Fig. 4, holds the paper 212 against the platen 236 which is normally urged forwardly to its recording position by a spring 270 carried in a block 272' secured to a rod 275 having a lever 276 biased in a clockwise direction by a spring 278. Retraction of the platen from the operative position is effected by a lever 290 biased clockwise by a spring 294, and in operation a small motor rotates the lever 290 anticlockwise so that a cord 284 allows the platen 236 to move to its operative position under the action of the spring 270. The feed roller 226 is driven by separate motors at normal and run–out speeds through gears 312, 314, Fig. 32, and oneway clutch mechanisms housed in flange portions 308, 309 formed as extensions of hubs 306, 307 carrying a steel tube 304 in which the rubber roller 302 is mounted. Metering, severing and delivery of recorded paper.–A pinion 356, Fig. 37, on the feed roller shaft, engages a gear 366, Fig. 8, secured to a hub 372 having flanges. 376, 377 forming an annular groove for the coil 378 forming part of a magnetic clutch comprising a clutch armature 394 secured to a hub 390 by screws 395 and a switch cam 396 clamped between the armature and the hub. A stop–arm 400 is clamped to a sleeve portion of the hub 390 and carries a stoppin 402, whose position relative to the lobe of the cam 396 can be adjusted. When the clutch is energized the stop–pin 402 of arm 400 moves away from a pin 410 carried on a stop–disc 370 until the lobe of cam 396 actuates the arm 406 of a two–plunger switch 408 to stop the fast–feed motor. On de–eriergization of the magnetic clutch, the cam and armature assembly are returned to their normal position, with pins 402, 410 in engagement, 'by a band 412, Fig. 37, attached at one end to the hub 390 and at its other end to a spring–actuated drum 416. The setting of the stop–disc 370 is effected by a pulley 434, Fig. 4, in two portions 438,'444 relatively adjustable and carrying bands 436, 437 secured to adjacent portions of the stopdisc 370. When the wheel 432 is set to the position R to feed out a predetermined'length of blank at the end of the message, an operating lever in the path of a pin carried by the hand wheel 432 operates a switch so that the magnetic clutch is energized at the end of the message. The paper is severed at the end of the paperfeed operation by a fixed blade 480 and a movable blade 484, one end of which is attached to a bar 486, which rides on a bar 482 and two similar bars support the opposite end of the blade 484. Parallel movement is given to the

PatBase - US2783120_A



moving blade assembly by a rack 498, engaged by a toothed segment 500 in conjunction with a similar rack and segment, mounted on a rocker shaft 502 connected by a crank 504 and slotted link 506 to a pin 509 on a sprocket wheel 510 driven through one revolution by a motor energized by the action of a micro−switch 408. The rotation of the wheel 510 through chain 538 and gears 534, 532, 530, 528 rotates a delivery feed roller 524, and a pair of spring−loaded rollers, one of which is shown at 540, attached to the moving blade 484 urges the severed sheet against the delivery roller. The slot 508 in the ink 506 allows a " dwell " period when the roller 540 and the second roller are in their forward position to ensure that the severed sheet is fed to the delivery roller. An indication that the supply roll is nearing exhaustion is provided by a spring−biased roller engaging the underside of the roll and carrying a rod 566 which in its upper position engages the arm 570 of a micro switch 572 which operates a signalling circuit and also prevents a new cycle of recording until the paper supply has been replenished. Circuit arrangements, Figs. 42, 43.−At the end of the stand−by signal of 12.5 kc., the current flow in valve 587 is increased and relay EMD is energized. The stylus motor SM is initially operated over the A.C. supply. Relay EMD completes a circuit for a tube 622 with a delay provided by elements 625, 626, and the firing of the tube 622 operates a start relay ST by which the driving circuit of the motor SM is transferred to a synchronous power amplifier 604. The start of the phasing signal which follows the standby signal energizes a timer circuit 634 which after a predetermined time, e.g. 2¢ seconds, closes contacts 636, energizing a " rur " relay RR. The contacts 636 are opened at the commencement of the facsimile signals and relay RR brings into operation the platen advance motor 296 and the normal feed motor 330. Operation of relay RR also energizes fast−feed relay FF which locks up over contacts 677, 678 of the switch 408. The endof−message signal, comprising a short pulse of 12.5 kc., causes relay EMD to release, opening the circuit of relay RR which removes power from motors 296, 330. The release of the relay ST is delayed to ensure continued operation of the stylus motor SM between messages transmitted in quick succession. If the switch 470 is in the fixed length position, the magnet 378 of the paper−feed motor is energized when relay RR is released and after the desired amount of paper has been fed by the fast−feed motor 348, cam 396 opens contact 678 of switch 408, releasing relay FF which removes power from motor 348 and clutch magnet 378. The operation of switch 408 closes contacts 696, 697 completing the circuit of knife relay KNF which locks up over knife switch 518. Relay KNF energizes knife motor 514 which operates the movable blade 484 and the cut−message deivery mechanism. After the completion of the operation, switch 518 is opened, releasing relay KNF and removing power from motor 514. If the switch 470 is set to the fixed−length position, the magnet 378 is energized at the start−of−message reception when relay FF operates. When the end−of−message signal is received, the fast−feed motor is brought in, and after the requisite total length of paper has been fed, the cam 396 opens contacts 697, shutting off the fast motor and initiating the knife cycle as before. When message transmission ceases, the stand−by tone holds relay EMD de−energized for sufficient time to allow ST to release and the motor will be disconnected from its two sources of power. When the " low−paper " switch 572 is operated, D.C. is supplied over conductor 602 to a signal lamp 705 and the energizing circuit of relay EMD is opened so that a new recorder cycle cannot be initiated. Specifications 680,661 and 717,726, [Group XL (c)], are referred to.

0) DE2751066A1 – ANORDNUNG FUER DIE ERLEICHTERTE, RATIONALISIERT...

43) Family number: 1710571 (DE2751066A1) © PatBase

Title: ANORDNUNG FUER DIE ERLEICHTERTE, RATIONALISIERTE ABBUCHUNG (UND RUECKBUCHUNG) VON WAREN UND ARTIKEL ALLER ART, DIE IN REGALEN, FAECHER– (SORTIER) SCHRAENKEN, ODER ANDEREN SORTIEREINRICHTUNGEN GELAGERT SIND CENTRALISED BOOK–KEEPING SYSTEM FOR FILING OR SORTING UNIT – OPERATES WITH DATA INPUT WHICH HANDLES ALL WITHDRAWALS OR DEPOSITS

Priority: DE19772751066 19771115

Family:

Publication number	Publication date	Application number	Application date
DE2751066 A1	19791025	DE19772751066	19771115
DE2751066 C2	19851205	DE19772751066	19771115

Probable Assignee: KOLLER ROMAN

Assignee(s):(std)**:** KOLLER ROMAN

Assignee(s): KOLLER ROMAN 8000 MUENCHEN DE

Inventor(s):(std)**:** KOLLER ROMAN

Inventor(s): KOLLER ROMAN 8000 MUENCHEN DE

International class (IPC 8–9)**:** G06Q10/00 G07F7/02 (Advanced/Invention)

International class (IPC 1–7)**:** G06F15/24 G07C11/00 G07C9/00 G07F7/08

CPC: G06Q10/087 G06Q20/342 G07F7/025

European class: G06F17/60C4 G06Q10/087 G06Q10/08E G06Q20/342 G07F7/02E

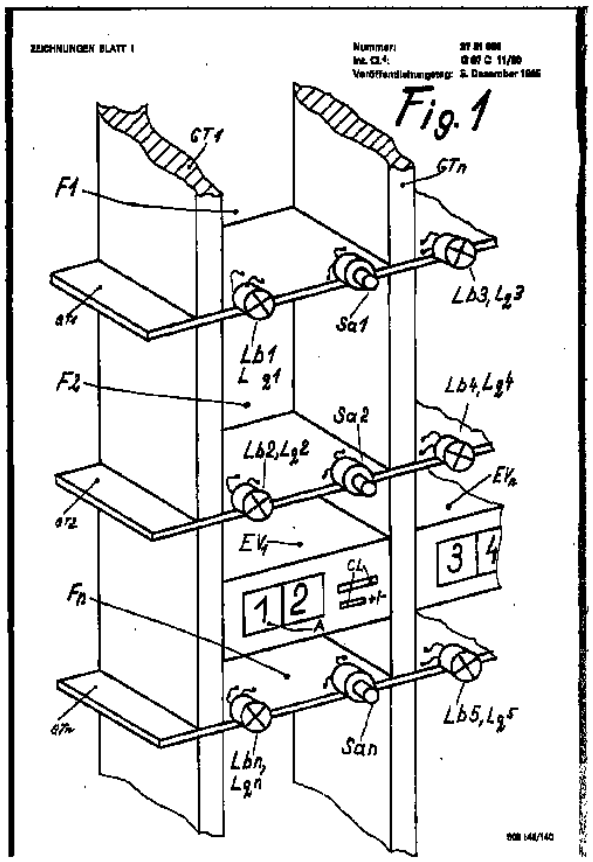
Classification Explorer

Cited documents: CH399800 A3, AT205781 B, AT205781,

Forward Citations: US5438523, US5321625, FR2606896, EP0490205, EP0442349, EP0340420, EP0224685, DE3812547, CH675645,

Abstract:
Source: DE2751066A1 Patentansprueche Anordnung fuer die erleichterte, rationalisierte Ab buchung (und Rueckbuchung) von Waren und Artikel aller Art, die in Regalen, Faecher– (Sortier) Schraenken, oder anderen Sortiereinrichtungen gelagert sind, zum Zwecke einer erleichterten, rationellen Eingabe der Artikel bezeichnung, Artikelcodenummer, Stueckzahl (evtl Gewicht), Entnehmercodenummer mit Datum und anderen spezifischen Daten (wie zB. The filing or sorting unit has a series of compartments into or from each of which articles can be deposited or removed. For each article deposited or withdrawn, the information relating to the article type, the article code number, the number of pieces or weight etc. are entered via an input unit, coupled to a central processor and employing code switches, rotary switches, alphanumeric input keys etc. Each of the compartments has at least one switch (Sa1..San) operated in response to insertion or withdrawal of one or more articles, with a respective data input for each compartment or each group of compartments (EV1..Evn).

PatBase – DE2751066_C2



0) GB828858A – IMPROVEMENTS IN OR RELATING TO CONTROL SYSTEMS ...

44) Family number: 20750278 (GB828858A)

© PatBase

Title: Improvements in or relating to control systems for variable pitch propellers

Priority: GB19570006458 19570226

Family:

Publication number	Publication date	Application number	Application date
GB828858 A	19600224	GB19570006458	19570226

Probable Assignee: BRISTOL AERO ENGINES LTD

Assignee(s):(std): BRISTOL AERO ENGINES LTD

Assignee(s): BRISTOL AERO ENGINES LIMITED

Inventor(s):(std): CROWE ROBERT KELMAN ; CULLEN JOHN RAMSAY

International class (IPC 8–9): B64C11/38 (Advanced/Invention); B64C11/00 (Core/Invention)

International class (IPC 1–7): B64C11/38

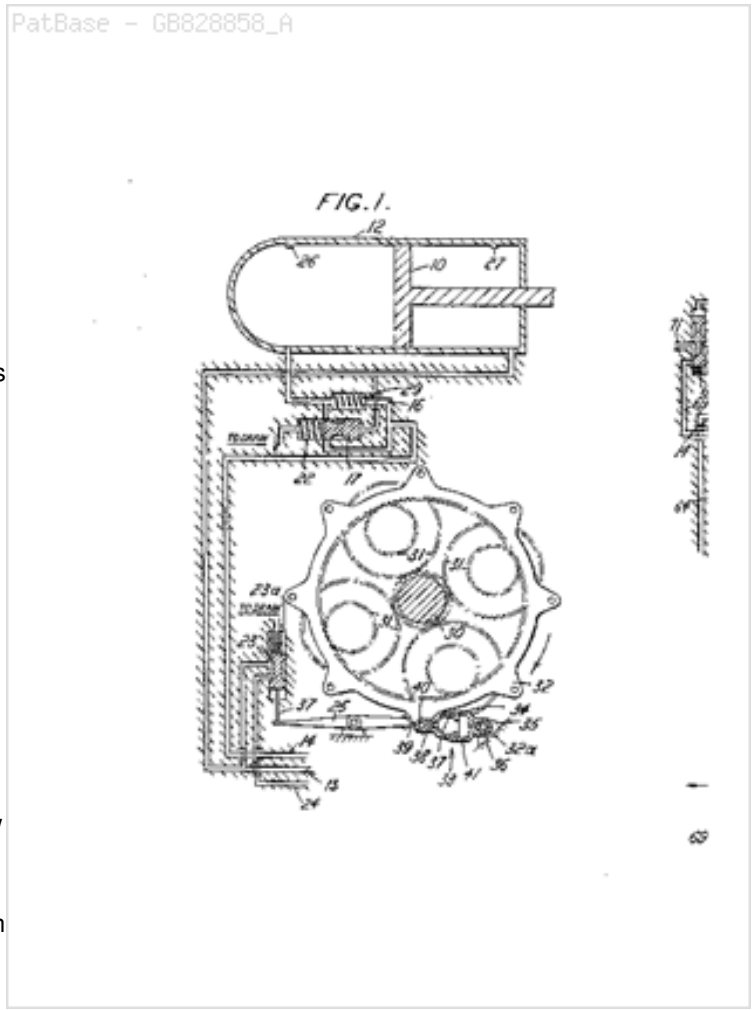
CPC: B64C11/385

European class: B64C11/38B

Classification Explorer

Forward Citations: US4863347, FR2498253,

Abstract:
Source: GB828858A 828,858. Variable pitch propellers. BRISTOL AERO–ENGINES Ltd. Feb. 17, 1958 [Feb. 26, 1957], No. 6458/57. Class 114 A control system for a variable pitch propeller includes pitch lock means operable by the onset of a predetermined negative–torque in the propeller drive transmission to lock the propeller against pitch fining movement. In the embodiment of Fig. 1, a double acting hydraulic pitch change motor 12 having a fixed brake stop 26 and a fixed feathering stop 27 has a fine pitch line 13 and a coarse pitch line 15. To coarsen the pitch oil is supplied under pressure via line 14, by–pass 16 and non–return valve 29 to the left hand side of the motor piston 10, oil on the other side exhausting through line 13. To reduce pitch oil under pressure is supplied to the line 13 from which it branches to act on the right hand side of the piston 10 and to move the pitch lock valve 17 against the action of its spring 22 so that oil from the left–hand side of the piston can exhaust through said valve into line 14. The port 32 of the reduction gearing driving the propeller shaft 30 is connected to hydraulic piston and cylinder units 33 forming port of a torquemeter so that when negative–torque is experienced, i.e. when the propeller windmills and drives the engine, the port 32 moves clockwise, thus tripping a lever 25 to raise a spring– loaded spill valve 23 which connects the fine pitch line 13 with a low pressure line 24, thereby relieving pressure on the valve 17. The spring 22 then closes said valve, forming a hydraulic lock in the motor cylinder so that fining of the propeller pitch with consequent increase in windmilling drag, is prevented. In another embodiment the spill valve is replaced by a multi–purpose increase



pitch valve and the system includes main control, servo, and negative–torque signal valves so arranged that with the onset of negative–torque the lock valve 17 closes as in the first embodiment but the coarse pitch line is placed in direct communication with the delivery side of the governor pump. The propeller moves to a coarser pitch, the windmilling and the negative–torque are reduced, and the propeller is returned to the control of the main control valve. Specification 814,844 is referred to.

0) US3766853A – SYSTEM FOR CLEANING ROLLERS OF A DUPLICATING MA...

45) Family number: 1381907 (US3766853A) © PatBase

Title: SYSTEM FOR CLEANING ROLLERS OF A DUPLICATING MACHINE, SUCH AS INK ROLLERS

Priority: DK19730001829 19730404 DK19750002768 19750619 US19720241023 19720404 US19720241024 19720404

Family:

Publication number	Publication date	Application number	Application date
BR7302384 A0	19740627	BR19730002384	19730403
CA1005275 A1	19770215	CA19730166066	19730314
CA979285 A1	19751209	CA19730166062	19730314
DE2316635 A1	19731011	DE19732316635	19730403
DE2316635 B2	19770505	DE19732316635	19730403
DE2316635 C3	19771215	DE19732316635	19730403
DE2365738 A1	19760520	DE19732365738	19730403
DE2365738 B2	19770407	DE19732365738	19730403
DE2365738 C3	19771117	DE19732365738	19730403
DK138783 B	19781030	DK19730001829	19730404
DK138783 C	19790409	DK19730001829	19730404
DK143387 B	19810817	DK19750002768	19750619
DK143387 C	19811214	DK19750002768	19750619
DK276875 A	19750915	DK19750002768	19750619
FR2179436 A5	19731116	FR19730011991	19730403
GB1423309 A	19760204	GB19730016160	19730404
GB1423310 A	19760204	GB19750012447	19730404
JP1078553 C3	19811225	JP19730037946	19730404
JP49015505 A2	19740212	JP19730037946	19730404
JP56019267 B4	19810506	JP19730037946	19730404
US3766853 A	19731023	US19720241024	19720404
US3788220 A	19740129	US19720241023	19720404

Probable Assignee: DICK CO AB

Assignee(s):(std)**:** DICK CO ; DICK CO AB

Assignee(s): DICK A CO US ; DICK A B COMPANY ; TONKIN KENNETH J ; LABEN WALLACE J ; DICK AB CO ; GALLAGHER JOHN P ; A B DICK CO ; A B DICK CO CHICAGO ILL V ST A ; A B DICK CO US ; A B DICK COMPANY ; A B DICK CY US ; AB DICK CO ; BORNEMAN LAWRENCE A ; DICK A B CO

Inventor(s):(std)**:** BORNEMAN LAWRENCE A ; BORNEMAN LAWRENCE ALFRED ; GALLAGHER J ; GALLAGHER J P ; GALLAGHER JOHN P ; GALLAGHER JOHN PATRICK ; BORNEMAN L ; BORNEMAN L A ; LABEN W ; LABEN W J ; LABEN WALLACE J ; LABEN WALLACE JOHN ; TONKIN KENNETH J ; TONKIN KENNETH JOHN ; TONKIN K ; TONKIN K J

Inventor(s): TONKIN K US ; TONKIN KENNETH JOHN GLENVIEW ; WALLACE JOHN LABEN ; LABEN WALLACE JOHN CHICAGO ; LAWRENCE ALFRED BORNEMAN ; LABEN W US ; BORNEMAN L US ; GALLAGHER JOHN PATRICK PARK RIDGE ; JOHN PATRICK GALLAGHER ; KENNETH JOHN TONKIN ; GALLAGHER J US

International class (IPC 8–9): B41F31/02 B41F31/06 B41F31/30 B41F35/00 B41F35/04 B41F35/06 B41F7/26 (Advanced/Invention); B41F7/02 (Advanced/Non–invention); B41F31/00 B41F31/02 B41F31/06 B41F35/00 B41F35/06 B41F7/00 (Core/Invention); B41F7/00 (Core/Non–invention)

International class (IPC 1–7): B41F17/02 B41F31/02 B41F31/04 B41F31/06 B41F35/04 B41F35/06 B41F7/02 B41F7/32 B41L17/08 B41L25/02 B41L27/04 B41L27/06 B41L27/16 B41L41/04 H05B39/02

CPC: B41F7/26 B41F31/30 B41F35/04

European class: B41F31/30 B41F35/04 B41F7/26

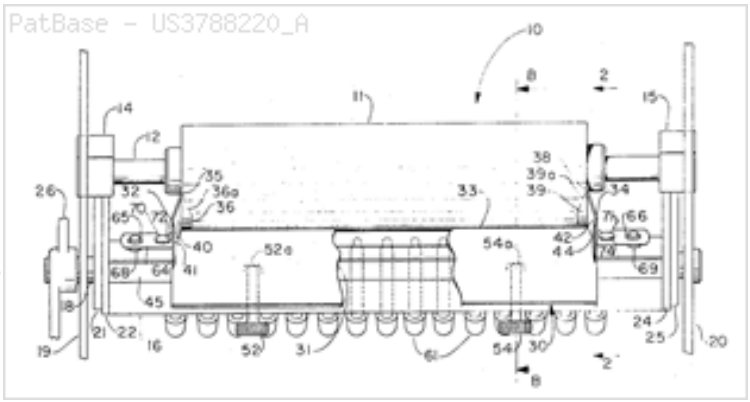
US class: 101/113 101/363 101/365 101/425

Classification Explorer

Cited documents: US3702586 A, US3701316 A, US3673959 A, US3658003 A, US3601045 A, US3561360 A, US3354823 A, US3135197 A, US3094924 A, US2895414 A, US1965596 A, US1814024 A, US1531030 A, US1469544 A,

Forward Citations: US7178461, US7032511, US6619206, US6598525, US6571704, US6418848, US6401612, US6397745, US6349645, US5979321, US5819660, US5452660, US5450792, US5271326, US5174209, US5046416, US4945832, US4480548, US4222328, US2004255803, US2004206259, JP62052174, JP62050145, JP61167922, JP59178428, JP56011436, JP48043950, FR2707211, EP0692382, EP0374482, DE4424590, DE4322615, DE3030076,

Abstract:
Source: US3766853A The invention relates to a system for cleaning rollers in an offset duplicating machine, for example the inking rollers, which includes a lever having a normal operating mode and a clean–up mode, while in the latter mode the lever being effective: (1) to operate an eccentric support and a bearing mount to bring an ink fountain roller and an ink ductor roller into continuous contact with the remaining rollers in the system; (2) to dispense cleaning fluid to the inking system rollers; (3) to remove contaminants from the inking system rollers by engaging a scraper assembly; and (4) to turn off the repellent supply and empty the repellent fountain.



0) DE2609457A1 – ROHRVERLEGUNGSSCHIFF MIT UNTERWASSERGRABENBAGGE...

46) Family number: 2533896 (DE2609457A1) © PatBase

Title: ROHRVERLEGUNGSSCHIFF MIT UNTERWASSERGRABENBAGGER PIPE LAYING VESSEL WITH SEAFLOOR TRENCH DIGGER – HAS INCLINED CONVEYOR TO CARRY SECTIONS OF LARGE BORE PIPING TO SEABED

Priority: DE19762609457 19760308

Family:

Publication number	Publication date	Application number	Application date
DE2609457 A1	19770915	DE19762609457	19760308

Probable Assignee: WIENANDS HERMANN

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

Inventor(s):(std)**:** WIENANDS ALFRED K DR RER NAT ; WIENANDS HERMANN ; WIENANDS RUDOLF C PROF DR ING

Inventor(s): C ; K

International class (IPC 8–9)**:** B63B35/04 E02F3/20 E02F5/10 E02F9/02 F16L1/20 (Advanced/Invention); E02F3/18 F02B3/06 (Advanced/Non–invention); B63B35/00 E02F3/18 E02F5/10 E02F9/02 F16L1/12 (Core/Invention); F02B3/00 (Core/Non–invention)

International class (IPC 1–7)**:** B63B35/04 E02F3/18 E02F5/00

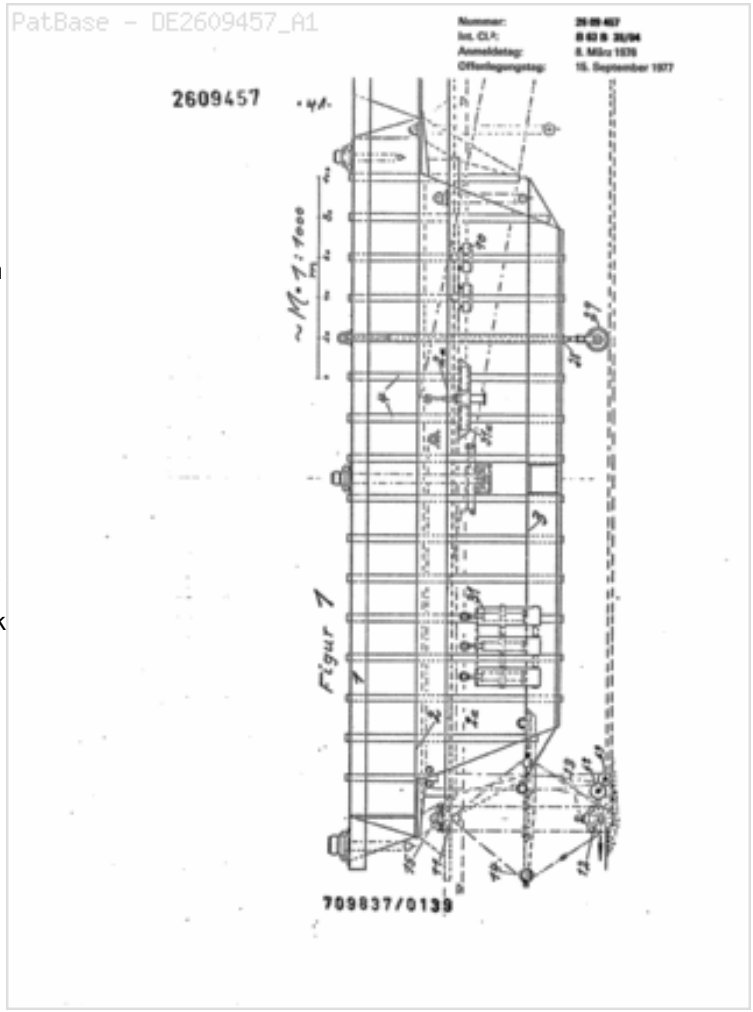
CPC: B63B35/03 E02F3/20 E02F5/104 E02F5/109 E02F9/026 F02B3/06 F16L1/202

European class: B63B35/03 E02F3/20 E02F5/10P E02F5/10P12 E02F9/02F F16L1/20C

Classification Explorer

Forward Citations: WO14025262, NL2009318,

Abstract:
Source: DE2609457A1 Rohrverlegungsschiff mit Unterwessergrabenbagger nach dem Prinzip eines Ringschiffes, filr die Verlegung groesserer Rohrleitun@en im Meeresboden, dadurch gekennzeichnet, dass drei uebereinander angeo#dnete Decks 1,2,3 Fig 1 zu einem Rohrverlegungsschiff zusammengefuegt, fuer das Zusammen schweissen oder Verbinden und Isolieren sowie filr das Ab senken fertiger Rohrleitungen in einen am Meeresboden vom Unterwasserbagger dieses Schiffes ausgehobenen Graben, gleich zeitig genutzt werden,. The pipe laying vessel has a seafloor trench digger with 3 main decks which between them house all the necessary facilities for connecting, lagging and transporting lengths of large−bore pipe to the trench prepared by its digger, on a round−the−clock basis. To assist with this, compartments on the lowest deck level can be selectively flooded to vary the vessel's draught and/or trim. The main working deck (2) has a stepped−down central portion (2a), with a track for the hoist supporting the digger as well as with a variety of fixed and mobile pipe manipulating devices. From it a conveyor belt, movable fore and aft extendable to a depth of 50 m or more and adjustable for angle, carries the pipe to the seafloor.



0) FR1257160A – APPAREIL INDIVIDUEL POUR LA PERCEPTION DES TAXE...

47) Family number: 21372710 (FR1257160A)

© PatBase

Title: APPAREIL INDIVIDUEL POUR LA PERCEPTION DES TAXES DE STATIONNEMENT
INDIVIDUAL DEVICE FOR COLLECTION OF PARKING FEES (Machine translation)

Priority: FR19600818781 19600217

Family:

Publication number	Publication date	Application number	Application date
FR1257160 A	19610331	FR19600818781	19600217

Inventor(s):(std)**:** NICOLAS JOSEPH

International class (IPC 8–9)**:** G07C1/30 (Advanced/Invention); G07C1/00 (Core/Invention)

International class (IPC 1–7)**:** G07F17/24

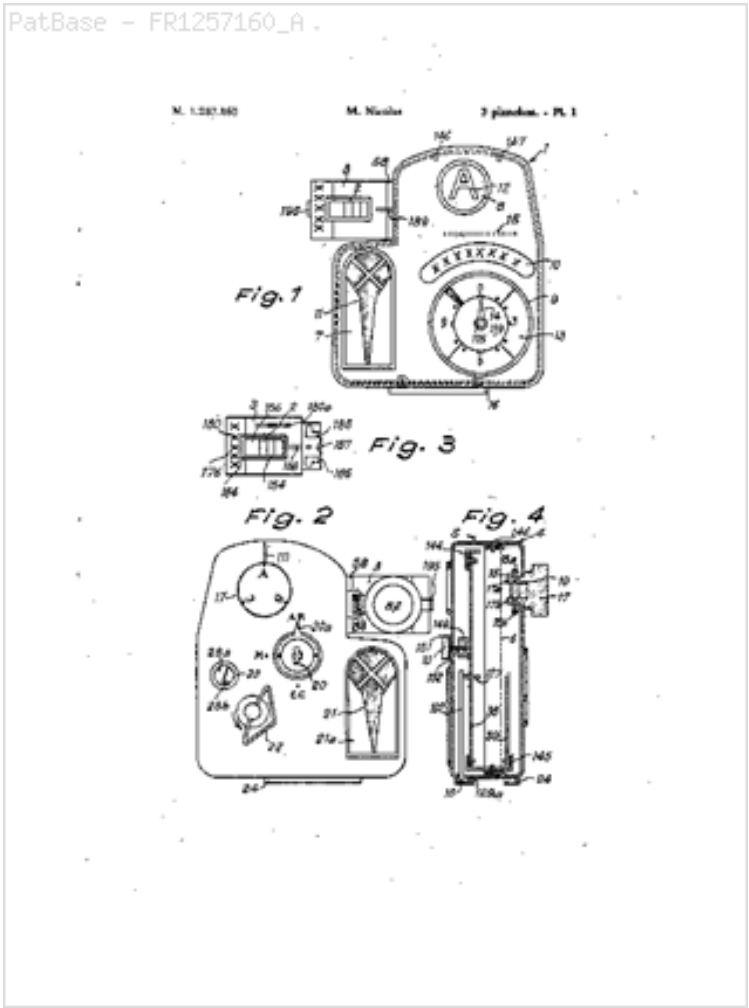
CPC: G07C1/30

European class: G07C1/30

Classification Explorer

Abstract:
Source: FR1257160A (Claim 1) En mettant la clef de la serrure de surete en position d'arret, on obtient en premier lieu l'arret du mouvement d'horlogerie par friction de la palette 97a (fig.

Machine translation: (Claim 1) By putting the key lock security interest in the position of stop, we get the first stop of the watch movement by friction of the blade 97a (Fig.



0) GB789124A – IMPROVEMENTS IN AND RELATING TO FLUID FLOW TEMP...

48) Family number: 19514932 (GB789124A)

© PatBase

Title: Improvements in and relating to fluid flow temperature i¡i¡rs or recorders

Priority: GB19550005415 19550223

Family:

Publication number	Publication date	Application number	Application date
GB789124 A	19580115	GB19550005415	19550223

Probable Assignee: UNITED GAS INDUSTRIES LTD

Assignee(s):(std)**:** UNITED GAS INDUSTRIES LTD

Assignee(s): UNITED GAS IND LTD ; UNITED GAS INDUSTRIES LIMITED

Inventor(s):(std)**:** CHARLES JOHN ARTHUR

International class (IPC 8–9)**:** G01K1/14 (Advanced/Invention); G01K1/14 (Core/Invention)

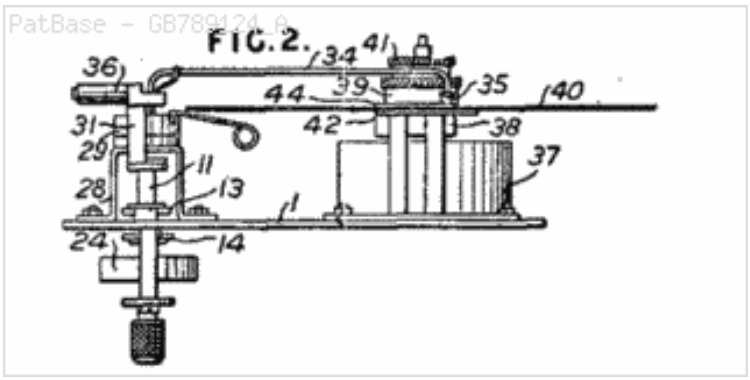
International class (IPC 1–7)**:** G01D11/02

CPC: G01K1/14

European class: G01K1/14

Classification Explorer

Abstract:
Source: GB789124A 789,124. Indicating– and recording–apparatus. UNITED GAS INDUSTRIES, Ltd. Feb. 23, 1956 [Feb. 23, 1955], No. 5415/55. Class 106 (4). [Also in Groups XV and XX] In a recording thermometer a coiled bimetallic. element 24, which is exposed to a fluid stream is anchored at its outer end and coupled at its inner end to a spindle which carries a magnet 14 close to a non–magnetic diaphragm in the wall 1. A similar magnet 13 outside the wall is mounted on a spindle 11 which carries a U–shaped member 31 which supports, on knife edges, a transverse bar from which projects a capillary tube 34 having a stylus head 35 moving over a rotating recording chart 40. The bar carries counterweights 36. The inner end of the capillary tube dips into an ink reservoir 29 carried by the bridge member 28. A clock mechanism 37 rotates a spindle carrying a circular head 38 on which rests the chart 40 being retained by a sleeve 39 secured by a nut 41. A pin projects from the lower surface of the sleeve 39 through the chart into a recess provided in the head 38. The chart is supported, below the stylus, by a table 42. A guide 44 is provided for the edge of the chart. The spindle 11 may be coupled to the recorder or a pointer through multiplying gearing or rack–and–pinion mechanism to produce a linear movement. The recording chart may move linearly instead of rotating. Specification 661,102 is referred to.



0) US3051456A – AGITATING DEVICE

49) Family number: 22798466 (US3051456A) © PatBase

Title:	AGITATING DEVICE
Priority:	US19590830142 19590728

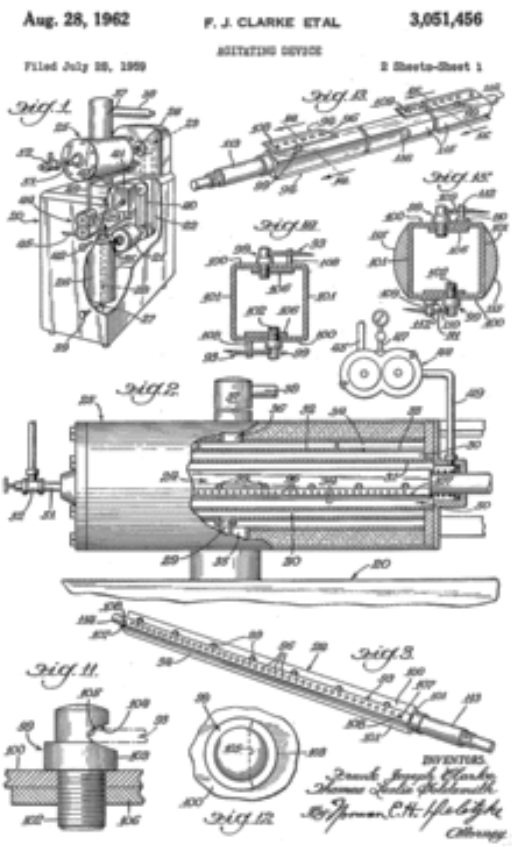
Family:

Publication number	Publication date	Application number	Application date
US3051456 A	19620828	US19590830142	19590728

Probable Assignee:	CLARKE BUILT LTD
Assignee(s):(std)**:**	CLARKE BUILT LTD
Assignee(s):	CLARKE BUILT LIMITED
Inventor(s):(std)**:**	JOSEPH CLARKE FRANK ; LESLIE GOLDSMITH THOMAS
Inventor(s):	CLARKE FRANK JOSEPH ; GOLDSMITH THOMAS LESLIE
International class (IPC 8–9)**:**	A23G9/20 A23G9/22 B01F13/10 B01F5/14 B01F7/04 (Advanced/Invention); B01F7/00 (Advanced/Non–invention); A23G9/04 B01F13/00 B01F5/00 B01F7/02 (Core/Invention); B01F7/00 (Core/Non–invention)
CPC:	A23G9/20 A23G9/224 B01F5/14 B01F7/003 B01F7/00533 B01F7/007 B01F7/04 B01F13/1027
European class:	A23G9/20 A23G9/22H B01F13/10C2 B01F5/14 B01F7/00B16F3B B01F7/04 L01F7/00B16B5A L01F7/00C4B
US class:	366/162.2 366/312 418/169 62/342
Classification Explorer	
Cited documents:	US2810557 A, US2576995 A, US2538716 A, US2526367 A, US2425671 A, US2306602 A, US2282298 A, US2278340 A, US2211387 A, US2063065 A, US1907486 A,
Forward Citations:	US4566287, US3902704, US3389567, US3330127, US3190082, US3166443,

Abstract:
Source: US3051456A (Claim 1) An agitator and scraper blade supporting device adapted to be mounted coaxially within an elongated and cylindrical product processing cylinder having a product inlet end and a product outlet end, comprising, an elongated and imperforate shaft means having at the product inlet portion thereof a substantially square cross section extending lengthwise thereof throughout approximately 25 one−half of the length of said shaft means and having on that portion an outer surface comprised of four longitudinally extending straight and flat major surfaces of substantially equal width and of substantially equal length and having throughout the remaining portion of the length 30 of said shaft means at the outlet portion thereof a pair of substantially equal length and substantially equal width and parallel and opposed major flat surfaces which extend longitudinally of said shaft and which are joined along their juxtaposed edges by two outwardly convex 35 and opposed and uniformly curved major surfaces of equal length and of equal width and uniformly spaced from the longitudinally extending central axis of said shaft means, said curved major surfaces each having a radius equal to the radial spacing af the edges of said −0 pair of parallel and opposed flat surfaces.

PatBase - US3051456_A



0) WO9114128A1 – A METHOD OF ESTABLISHING SUBTERRANEAN PIPELINES...

50) Family number: 3446196 (WO9114128A1) © PatBase

Title: A METHOD OF ESTABLISHING SUBTERRANEAN PIPELINES OF HEAT INSULATED, CONCENTRIC PIPES, SUCH A PIPELINE AND A PIPE ELEMENT THEREFOR

Priority: DK19900000573 19900306 WO1991DK00064 19910306

Family:

Publication number	Publication date	Application number	Application date
AT127898 E	19950915	AT19910905656T	19910306
AU199174556 A1	19911010	AU19910074556	19910306
DE69113053 D1	19951019	DE19916013053	19910306
DE69113053 T2	19960502	DE19916013053T	19910306
DK0550438 T3	19960122	DK19910905656T	19910306
DK57390 A0	19900306	DK19900000573	19900306
EP0550438 A1	19930714	EP19910905656	19910306
EP0550438 B1	19950913	EP19910905656	19910306
WO9114128 A1	19910919	WO1991DK00064	19910306

Probable Assignee: ABB I C MOELLER A S

Assignee(s):(std)**:** ABB I C MOELLER AS ; ABB I C MOLLER AS ; ABB I C MOELLER A S ; MOELLER I C AS ; MOELLER AS I C

Assignee(s): I C MOELLER A S ; ABB I C MOELLER A S FREDERECIA DK ; ABB IC MOELLER A S ; ABB IC MOLLER A S

Inventor(s):(std)**:** PEDERSEN HANS NOERGAARD ; PEDERSEN HANS NORGAARD

Inventor(s): PEDERSEN HANS NORGAARD DK 8700 HORSENS DK ; HANS NORGAARD PEDERSEN

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CM DE DK ES FI FR GA GB GR HU IT JP KP KR LI LK LU MC MG ML MR MW NL NO PL RO SD SE SN SU TD TG US

International class (IPC 8–9): F16L59/12 (Advanced/Invention); F16L59/12 (Core/Invention)

International class (IPC 1–7): F16L53/00 F16L59/14

CPC: F16L59/123

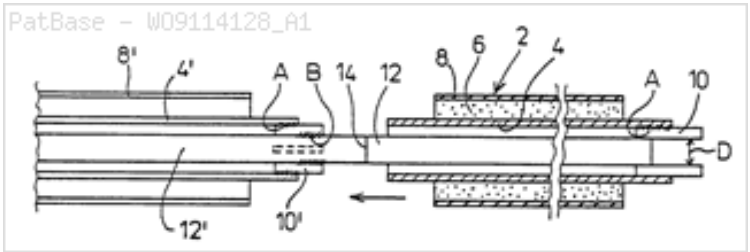
European class: F16L59/12H

Classification Explorer

Cited documents: US2924245 A, DE3603886 A1, DE2655420 A1, CH600234,

Forward Citations: US4456075, FR2738443, ES2136482, EP0760454,

Abstract:
In various processing or extractive systems it is actual to convey warm substances through subterranean, insulated pipes of such great length that it is required to add heat en route. Preferably this is arranged with the use of concentric pipes with an outer heat insulating coating. Because the temperature in the double pipe may change it has been found necessary to insert in long pipes expensive axial compensators such as U–bent pipe elements. With the invention this is avoided in a simple manner in that the pair of pipes is made of a central pipe (12), about which is mounted a row of pipe elements (2) of the type "district heating pipe", the inner pipe (4) of which will then form the outer pipe in the pair of concentric pipes, while a surrounding rigid insulation foam (6) and an outer mantle pipe (8) of plastic will serve to anchor the pipe in a self stabilizing manner in the earth, viz. by an earth friction locking effect. The pipe elements (2) may be prepared for mounting in that at one end of the inner pipe (4) there is welded in some inwardly protruding centering rib plates (10) for later welding to the central pipe (12).



0) FR1424685A – DISPOSITIF D'ASSERVISSEMENT MECANIQUE DE COMPTE...

51) Family number: 21351484 (FR1424685A)

© PatBase

Title: DISPOSITIF D'ASSERVISSEMENT MECANIQUE DE COMPTEUR ET ORGANE DE CONTROLE DE DEBIT ASSOCIE MECHANICAL DEVICE SERVO METER AND BODY CONTROL FLOW ASSOCIATED (Machine translation)

Priority: FR19650005410 19650212

Family:

Publication number	Publication date	Application number	Application date
FR1424685 A	19660114	FR19650005410	19650212

Inventor(s):(std)**:** DELALANDRE CAMILLE MARC

International class (IPC 8–9): G01F15/00 G01F15/07 (Advanced/Invention); G01F15/00 (Core/Invention)

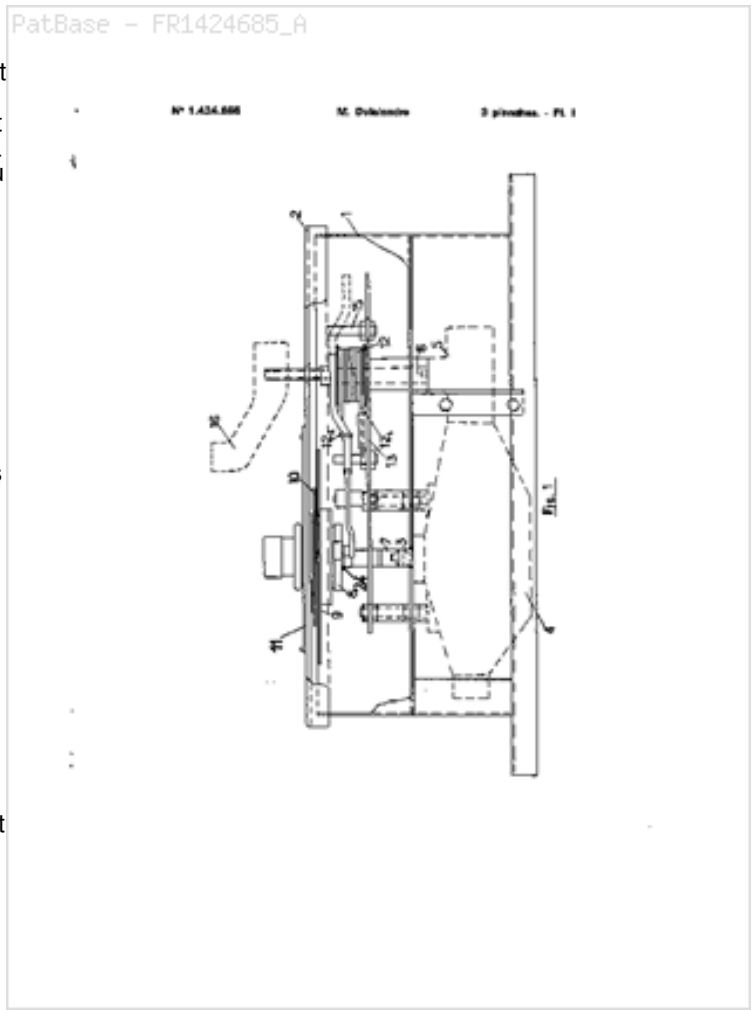
International class (IPC 1–7): G01F25/00

CPC: G01F15/001 G01F15/07

European class: G01F15/00B G01F15/07

Classification Explorer

Abstract:
Source: FR1424685A [Source: Claim 1]
ATTENTION debut du champ CLMS peut contenir fin de DESC **. triquement a l'arbre de commande de la vanne. Le ressort 12 est ancre, par l'un des prolongements 121 sur la platine 13 du mecanisme, L'extremite 122 du ressort est fixee a un bras de levier 14 susceptible d'entrainer l'arbre de commande de la vanne 5. Le levier, dans sa position desarmee, bute sur une butee 15 correspondant a la position de fermeture de la vanne. Pour passer dans sa position d'armement ou d'ouverture de la vanne, le levier 14 est entraine dans le sens des aiguilles d'une montre par une poignee de manoeuvre 16 rendue solidaire de l'axe de commande du levier de la vanne 5. L'extremite du levier 14 vient s'engager dans la genouillere 16 d'un levier de declenchement 161 cooperant avec le profil de la came 8 du oadran de decomptage. Lorsque, en fin de decomptage, le galet 162 du levier de declenchement penetre dans le profil de la came 8, la genouillere 16 libere l'extremite du levier 14 qui, sollicite par le ressort spirale 12, ramene le levier dans sa position de fermeture entrainant automatiquement la fermeture de la vanne. Dans l'exemple de realisation represente figure 3, un meme bouton poussoir 17 permet de regler les positions angulaires respectives des cadrans de decomptage 9 et de predetermination 10. Le bouton poussoir 17 est susceptible d'etre entraine en rotation et peut se deplacer telescopiquement paf rapport a la bague 18 du cadran de predetermination. Ainsi, lorsque le bouton poussoir est enfonce, des broches 19 menagees a l'extremite ouverte dudit bouton, viennent en prise avec des logements 20 menages sur le moyeu de la came 8 du compteur de decomptage, ce qui permet de regler la position angulaire dudit cadran. Par l'intermediaire de la rotation du cadran de decomptage; il est possible d'entrainer le compteur de predetermination dans une position angulaire determinee. D'autre part, un embrayage a friction entre l'arbre moteur 3 du compteur et le cadran de decomptage 9 permet de modifier la



position angulaire dudit cadran malgre un blocage possible de l'arbre moteur du compteur. A cet effet, le moyeu de la came 8 du cadran de decomptage 9 comporte un toc 21 susceptible de venir en prise avec un toc 22, menage sur la face en regard du cadran de predetermination. Un contre ecrou, dispose concentriquement a l'embase du bouton poussoir, permet, par l'intermediaire d'un plot de friction 23, d'immobiliser le cadran de predetermination dans une position choisie ou bien encore de liberer ce dernier pour l'amener dans une autre position de reglage. Le ressort 23, dispose entre l'embase du bouton poussoir et la tete mobile de ce dernier, assure le debrayage des griffes d'entrainement 19 du cadran de decomptage, lequel peut, alors, apres armement du levier de la vanne 5, etre entraine en rotation par l'arbre moteur du compteur 4 de debit, jusqu'au declenchement apres decomptage du levier d'armement 14 de la vanne qui assure la fermeture de cette derniere. Bien entendu, l'invention n'est pas limitee aux exemples de realisation ei−dessus decrits et representes, a partir desquels on pourra prevoir d'autres formes et d'autres modes de realisation, sans pour cela sortir du cadre de l'invention. Ainsi, par exemple, les cadrans mobiles sont remplaces par des aiguilles commandees par le meme dispositif. D'autre part, les cadrans mobiles peuvent etre realises cylindriques et disposes concentriquement les uns aux autres. RESUME L'invention s'etend notamment aux earacteristi− ques ci−apres et a leurs diverses combinaisons possibles 1" Dispositif d'asservissement de compteur et organe de controle de debit associe, dispositif comportant un organe de comptage au decomptage mecanique susceptibles d'etre commande par l'arbre moteur d'un compteur, pour agir sur l'organe de controle associe apres un certain debit, dispositif caracterise par ce que le cadran de decomptage cooperant avec un cadran de predetermination sont regles aux valeurs desirees a partir d'une commande commune operant selectivement ou simultanement sur lesdits cadrans, ce qui permet de simplifier la construction du dispositif et d'assurer un reglage rapide des valeurs desirees; 20 La commande commune est constituee par un bouton poussoir monte telescopiquement dans le support amovible du cadran de predetermination, ce qui permet, par enfoncement et rotation dudit bouton, de faire coincider l'une des valeurs du cadran de decomptage, soit avec le repere fixe d'une fenetre du couvercle du dispositif, soit avec une des valeurs du cadran de predetermination; 30 Le cadran de predetermination est entraine en rotation pour se deplacer dd'une valeur angulaire correspondant a la valeur de predetermination, par l'intermediaire du cadran de decomptage comportant un toc de manoeuvre cooperant avec un toc d'entrainement dispose sur la face en regard du disque de predetermination; 40 Un embrayage a friction est prevu entre l'arbre moteur du compteur et le disque de decomptage afin de pouvoir deplacer le disque dans une position angulaire determinee malgre l'impossibilite d'entrainer l'arbre moteur du compteur; 5 Un contre−ecrou, dispose concentriquement a l'embase fixe du bouton poussoir, permet, par l'intermediaire d'un plot de friction, de bloquer le disque de predetermination dans la position angulaire choisie; 60 L'organe associe du cadran de decomptage est constitue par une vanne deplacable entre une position d'ouverture et une position de fermeture par l'intermediaire d'un levier d'armement sollicite par un ressort pour fermer la vanne apres une quantite determinee par le deplacement angulaire du cadran de decomptage; 70 Le e levier d'armement coopere avec un levier de declenchement sollicite par le profil de la came du cadran de decomptage, lesdits leviers etant realises de maniere a offrir un tres faible coefficient de freinage sur la came du cadran de decomptage; 80 L'ensemble du mecanisme du dispositif est loge dans un carter etanche. [Source: Claim 1] ** WARNING ** start of CLMS field may contain end of DESC **. metrically has the drive shaft of the valve. The spring 12 is anchored by one of the extensions 121 on the plate 13 of the mechanism, the extremity 122 of the spring is fixed at a lever arm 14 may cause the valve to the drive shaft 5. the lever in its disarmed position, abuts a butee 15 corresponding to the closed position of the valve. To move into its armed position or opening of the valve, the lever 14 is driven in the direction of clockwise by an operating handle 16 secured to the control shaft of the valve lever 5. the extremity of the lever 14 is engaged in the brace 16 of a triggering lever 161 cooperating with the cam profile 8 oadran reversal. When, at the end of counting, the roller 162 of the triggering lever penetrates into the profile of the cam 8, the toggle 16 frees the extremity of the lever 14 which seeks the spiral spring 12, brings back the lever to its closed position automatically causing the closure of the valve. In the exemplary embodiment represented in Figure 3, even a push button 17 allows to adjust the respective angular positions of the dials countdown predetermination 9 and 10. The push button 17 may be rotated and trains can move telescopically bam relative to the ring 18 of predetermination dial. Thus, when the pushbutton is pressed, the pins 19 provided at the open end of said button, engage with the recesses 20 formed on the hub of the cam 8 count−down counter, which allows to adjust the angular position of said dial. Through the intermediary of the rotation of counting dial; it is possible to cause the predetermination counter in a determined angular position. On the other hand, a friction clutch between the drive shaft 3 of the counter and the counting dial 9 to change the angular position of said dial despite a potential blockage of the motor shaft of the counter. For this purpose, the hub of the cam 8 of the dial downcounting 9 comprises a toc 21 capable of engaging a toc 22, formed on the face opposite the predetermination dial. Against a mother, has concentrically to the base of the push button, allows, through the intermediary of a friction pad 23, to immobilize the predetermination dial in a selected position or even to release it to bring in another position of adjustment. The spring 23, arranged between the base of the push button and the mobile head of the latter, provides the disengaging of the drive claws 19 of counting dial, which can then, after arming the valve lever 5, be causes rotated by the motor shaft of the counter 4 to flow until after triggering counting of the cocking lever 14 of the valve that ensures the closing of the latter. Of course, the invention is not limited to the examples of realization ei above described and represented, from which we can predict other forms and other embodiments without departing from the scope of the invention. For example, mobile dials are replaced by needles controlled by the same device. On the other hand, mobile dials can be made cylindrical and arranged concentrically to each other.SUMMARY The invention particularly extends to earacteristi− c above after and their various combinations 1 "counter−locked device and debit supervisory body associates device having a counting unit counting the mechanical likely to be control by the motor shaft of a counter, to act on the supervisory body associates after a certain flow, device characterized by that the dial countdown cooperating with a predetermination dial rules are the values DESIRED from to a common control operant selectively or simultaneously on those dials, which simplifies the construction of the device and ensure rapid Setting desired values; 20 the common control is constituted by a push button mounted telescopically in the removable media dial predetermination, which allows, by insertion and rotation of said knob,

to match one of the countdown values of the dial or with the reference frame fixed to a window of the device lid, or with a predetermination of the values of the dial; 30 The dial is predetermination causes rotated to move dd'une corresponding angular value to the value of predetermination, through the intermediary of the dial countdown with an operating cooperating with toc toc has a drive on the opposite face predetermination of the disc; 40 A friction clutch is planned between the motor shaft counter and the counting of disk to move the disk in an angular position determined despite the impossibility to cause the drive shaft of the counter; 5 A against–nut, disposed concentrically fixed base of the push button makes it possible, with the assistance of a friction stud, block the predetermination disk in the selected angular position; 60 The body combines the countdown dial is a movable valve between an open position and a closed position by a cocking lever intermediate solicits by a spring to close the valve after a specified amount per the angular displacement of counting dial; The 70 th cocking lever cooperates with a triggering lever solicits by the cam profile of the countdown dial, said levers being realized in such a manner to offer a very low braking coefficient on the cam of counting dial; 80 The entire mechanism of the device is housed in a waterproof casing.

0) US4779526A – MACHINE FOR FORMING CYLINDRICAL BALES OF CROP

52) Family number: 2108005 (US4779526A) © PatBase

Title: Machine for forming cylindrical bales of crop

Priority: CA19870531156 19870304 CA19880556848 19880119 EP19860108374 19860619 GB19860005466 19860305 GB19870002291 19870202 GB19870002292 19870202

Family:

Publication number	Publication date	Application number	Application date
AU198769726 A1	19870910	AU19870069726	19870305
AU595860 B2	19900412	AU19870069726	19870305
CA1271405 A1	19900710	CA19870531156	19870304
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DE3676189 D1	19910124	DE19863676189	19860619
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DE3772409 D1	19911002	DE19873772409	19870214
EP0235650 A2	19870909	EP19870102104	19870214
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EP0235650 B1	19910828	EP19870102104	19870214
EP0238706 A2	19870930	EP19860108374	19860619
EP0238706 A3	19880113	EP19860108374	19860619
EP0238706 B1	19901212	EP19860108374	19860619
EP0239761 A2	19871007	EP19870102103	19870214
EP0239761 A3	19880107	EP19870102103	19870214
EP0239761 B1	19910717	EP19870102103	19870214
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GB2187416 B2	19891115	GB19870002291	19870202
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GB2189189 B2	19891108	GB19860005466	19860305
GB2208157 A1	19890308	GB19870002292	19870202
GB2208157 B2	19900822	GB19870002292	19870202
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GB8702292 A0	19870311	GB19870002292	19870202
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US4779526 A	19881025	US19870138248	19871228
US4813348 A	19890321	US19870020417	19870302

Probable Assignee: DEERE AND CO A CORP OF DE

Assignee(s):(std)**:** DEERE AND CO ; FRERICH JOSEF

Assignee(s): VIAUD JEAN ; DEERE AND CO A CORP OF DE ; DEERE AND CO MOLINE ILL US ; DEERE AND COMPANY

Inventor(s):(std)**:** FRERICH JOSEF ; JIYAN BUIOODO ; VIAUD JEAN ; YOOZEFU FURERITSUHI

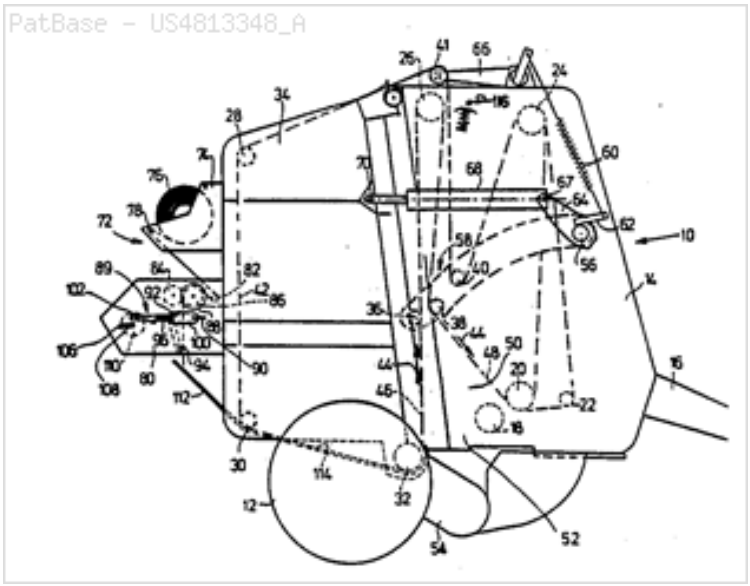
Inventor(s): VIAUD JEAN F 57200 SARREGUEMINES FR ; JOSEF FRERICH ; FRERICH JOSEF D 6661 DIETRICHINGEN DE ; FRERICH JOSEF W 6661 DIETRICHINGEN DE ; JEAN VIAUD

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP

Designated states: DE ES FR GB IT NL

International class (IPC 8–9):	A01F15/00 A01F15/07 A01F15/08 A01F15/14 B65B11/00 B65B11/56 (Advanced/Invention); A01F15/00 (Advanced/Non–invention); A01F15/00 B65B11/00 (Core/Invention)
International class (IPC 1–7):	A01D91/00 A01F15/00 A01F15/08 A01F15/14 B30B3/04 B30B9/00 B65B11/00 B65B11/56 B65B13/20 B65B63/04
CPC:	A01F15/0715 A01F2015/076
European class:	A01F15/07D1 K01F15/07D11
US class:	100/5 100/6 100/88 53/118 56/341
Classification Explorer	
Cited documents:	US4729213 A, US4604855 A, US4514969 A, US4505197 A, US4409784 A, US4407113 A, US4366665 A, US4306494 A, US4253387 A, GB2146288 A1, GB2137927 A1, GB2128542 A1, GB2034273 A1, FR2239188 A1, EP0130258 B1, EP0129021 A2, EP0126278 A1, EP0075252 A2, EP0060366 A1, DE3418681 A1, DE3330757 A1, DE3322024 C1, DE3322024 A1,
Forward Citations:	USRE35882, US8516779, US8087216, US7694491, US7591628, US6966162, US6233913, US6050052, US5822967, US5596864, US5568716, US5433059, US5327821, US5327820, US5319899, US5247775, US5216873, US5129208, US5129207, US5014613, US4995216, US4938004, US4896477, US2016037726, US2015047311, US2010186606, US2009107349, US2009107348, US2007101694, US2004182043, KR200469816, JP4648864, JP4592426, JP2007267612, JP2006191878, EP0469677, EP0316506, EP0252458, AU2008229911,

Abstract:
Source: US4779526A A baling machine for forming large cylindrical bales of hay has a variable volume baling chamber defined by moving belts with a crop inlet on the underside of the machine. When a bale has been completed it is wrapped with surface wrapping material stored in a holder on the back of the baler. The wrapping material is advanced by feed rolls through a cutting mechanism below the holder, and is thus guided by a plate extending along the underside of a run of the belts to the baling chamber. In order to avoid wasting wrap, a cutter is triggered by a peg carried by a metering wheel movable between an adjustable "home" position against an abutment or stop to a trigger position in which it engages and lifts a release lever to release the cutter, and this distance is a measure of the length of wrap material required for the completed bale. In respective embodiments, the metering wheel is in the form of a friction wheel, a worm wheel and a ratchet wheel with all wheels being selectively driven by one of the feed rolls.



53) Family number: 18678204 (GB426266A)

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Title: Improvements relating to indicating mechanism for liquid measuring and dispensing apparatus

Priority: GB19330026264 19330923

Family:

Publication number	Publication date	Application number	Application date
GB426266 A	19350325	GB19330026264	19330923

Probable Assignee: JOHN FRASER

Assignee(s):(std): AVERY HARDOLL LTD ; JOHN FRASER

Assignee(s): AVERY HARDOLL LIMITED

International class (IPC 8–9): G01F11/00 (Advanced/Invention)

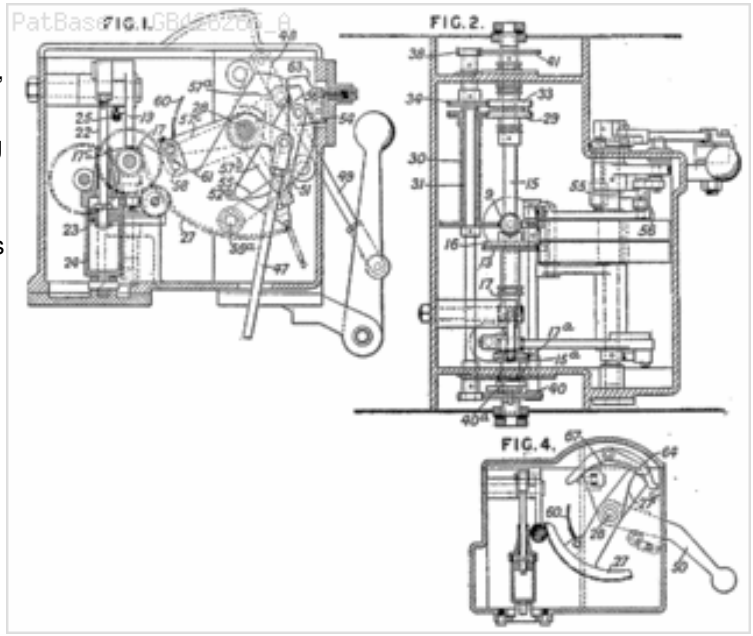
International class (IPC 1–7): G01F13/00

CPC: G01F11/00

European class: 42E21D G01F11/00

Classification Explorer

Abstract:
Source: GB426266A 426,266. Petrol and c. pumps. AVERYHARDOLL, Ltd., and FRASER, J., Avery House, Clerkenwell Green, London. Sept. 23, 1933, No. 26264. [Class 116] [See also Group XIX] In meter pumps for measuring and dispensing petrol and c., means are provided for automatically zeroizing the indicating mechanism on actuating a member to start the pump driving – motor. The fractions pointers are mounted directly on a shaft 15, which is normally driven during delivery by frictional engagement between a disc 16 on the shaft and a wheel 13 driven through gearing by the spindle of the flow meter (not shown). The units pointers are mounted on sleeves driven by wheels 41, gearing 38, 34 and frictionallyengaging wheels 33, 29 from a sleeve 30 driven by a worm 9 on the flow meter spindle. The wheels 13, 16 and 29, 33 are held in driving engagement during delivery by the thrust of a quadrant 19, Fig. 1, gearing with a sleeve 17 on the shaft 15, the quadrant being influenced by a spring 25 and being provided with a dashpot control 22, 23, 24. On starting a delivery operation, by actuation of a handle as described below, a sector 27 is rotated, thereby rotating a wheel 17 on the sleeve 17 and thus advancing the sleeve axially. The axial movement of the sleeve brings a friction disc 17 on the sleeve into engagement with a disc 15 on the shaft 15 which is moved axially for a short distance thus disengaging the wheels 13, 16 and 29, 33 so that, on further movement of the sector 27, the rotation of the shaft 15 zeroizes the fractions pointers. The axial displacement of the shaft 15 brings an arm 40 thereon into the path of a pin, (not shown), on the pinion 40, so that when the zeroizing movement of the fractions shaft 15 takes place, the pinion 40, shaft 31 and gear 38 are also rotated to zeroize the units pointers. The movement of the sector 27 to bring about the above described zeroizing movements, is effected by energy stored in clock springs 60 during the first part of the movement of the starting handle 50, this handle being linked at 49 to a crank 48 on a shaft 28 which is also linked to a rod 47 actuating the pump–motor starting–switch. A toothed quadrant 51, fast on the shaft 28 wipes over a double–acting spring–held pawl 52 which prevents unintentional movement of the shaft 28 and ensures a full movement of the handle 50 in each direction being made before any return of the handle is possible. The quadrant 51 is linked at 54 both to a radius link 55 swinging about a fixed pivot 55a, and to a link 56 coupled to one arm 57a of a three–armed lever 57a, 57b, 57 on the shaft 28. The clock springs 60 are coupled at their inner ends to the hub of the three–armed lever, and at their outer ends to a plate 61 which moves only with the sector 27. A spring–pressed pawl 63 retains the sector 27 stationary while the handle 50 is moved through the



first part of its movement to start the motor and to tension the springs 60, but when the arm 57b engages a pin 58 on the plate 61, the sector is positively moved past the pawl 63 and then completes its movement to zeroize the indicators, by energy stored in the springs 60. On stopping the motor, the arm 57 of the three−armed lever re−sets the sector 27. According to a modification, the handle 50, Fig. 4, may be mounted directly on a shaft 28 to which the clock springs 60 are anchored, the sector 27 having an arm 27 engaging a catch 64 to enable the springs to be tensioned during movement of the handle 50 to start the motor. The shaft 28 has a sector 67 which trips the catch 64 to initiate zeroizing. Specification 412,242 is referred to.

0) AT206746B – LICHTBILDAUFNAHMEGERAET FACIAL IMAGE RECORDING...

54) Family number: 25766236 (AT206746B)

© PatBase

Title: LICHTBILDAUFNAHMEGERAET FACIAL IMAGE RECORDING DEVICE (Machine translation)

Priority: 19560823

Family:

Publication number	Publication date	Application number	Application date
AT206746 B	19591228	AT19570004849	19570722

Probable Assignee: DECKEL FRIEDRICH WILHELM DIPL

Assignee(s):(std)**:** DECKEL FRIEDRICH WILHELM DIPL ; DECKEL HANS DR ING

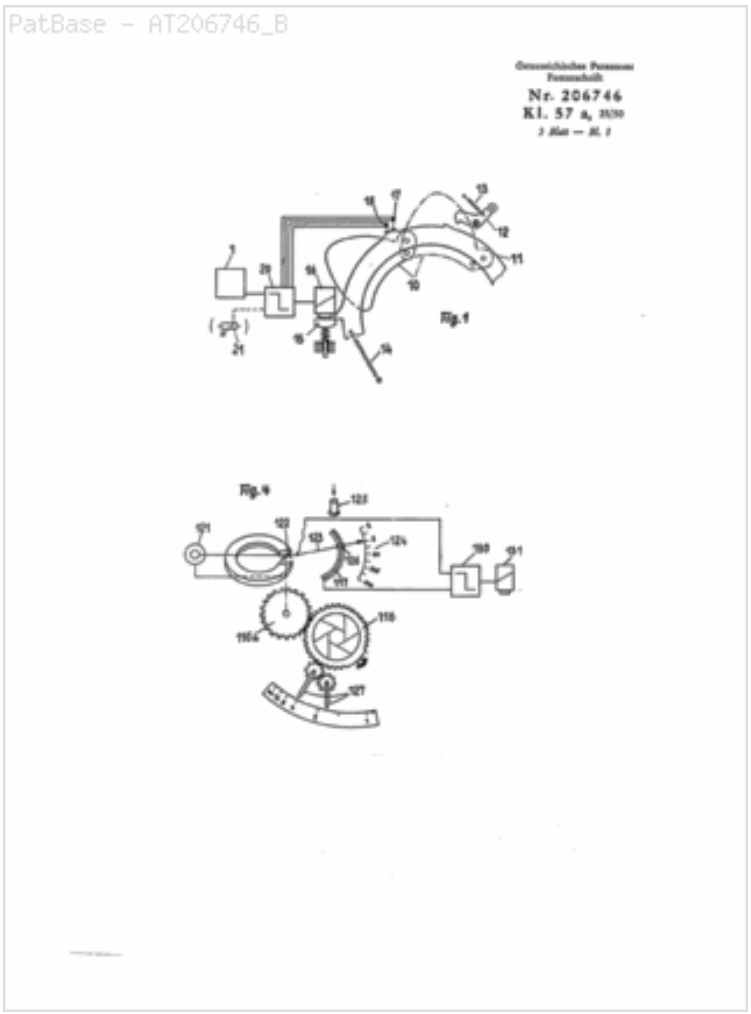
Assignee(s): DIPL ING FRIEDRICH WILHELM DECKEL ; DR ING HANS DECKEL

Inventor(s):(std)**:** DECKEL FRIEDRICH WILHELM DIPL ; DECKEL HANS DR ING

Inventor(s): DIPL ING FRIEDRICH WILHELM DECKEL ; DR ING HANS DECKEL

International class (IPC 1–7)**:** G03B7/00

Abstract:
Source: AT206746B [Source: Claim 1] 3. Lichtbildaufnahmegeraet nach Anspruch 1 oder 2, dadurch gekennzeichnet, dass der Elektromagnet als Arbeitswiderstand in den Teil einer Transistoren–Kippschaltung (Flip–FlopSchaltung) geschaltet ist, der nach dem Kippvorgang Strom erhaelt (Fig. 2).
[Source: claim 1] 3. photo recording device according to claim 1 or 2, characterised in that the electromagnet work resistance in the part of a transistor circuit (flip–FlopSchaltung) is switched, which receives electricity after tipping (fig. 2).



0) DE102011100627A1 – FLOATING CONCRETE PLATFORM FOR BUILDINGS, SETTL...

55) Family number: 52325108 (DE102011100627A1) © PatBase

Title: FLOATING CONCRETE PLATFORM FOR BUILDINGS, SETTLEMENTS, ENERGY INDEPENDENT ECOLOGICAL CITIES AND TRANSPORT DEVICE FOR TRANSPORTING HOUSES, POWER PLANTS, INDUSTRIAL PLANTS AND MASS, HAS CAVITIES SURROUNDED BY CONCRETE COMPONENTS AND LAYERS

Priority: DE201110100627 20110505

Family:

Publication number	Publication date	Application number	Application date
DE102011100627 A1	20121108	DE201110100627	20110505

Probable Assignee: INGBUERO ARMANDPLAN

Assignee(s):(std)**:** INGBUERO ARMANDPLAN

Assignee(s): INGENIEURBUERO ARMANDPLAN

Inventor(s):(std)**:** ARMAND GUENTER

International class (IPC 8–9)**:** B63B35/34 B63B35/44 B63B5/14 B63B9/06 (Advanced/Invention)

CPC: B63B5/14 B63B35/44

Classification Explorer

Cited documents: WO9634793 A1, WO96034793, WO8809284 A1, WO88009284, US4548153 A, US2004182300 AA, GB2365385 A1, GB158908 A, GB131152 A, GB113873 A, DE3444346 A1, DE3431510 A1, DE340517 A, DE2722984 A1, DE20207585 U1,

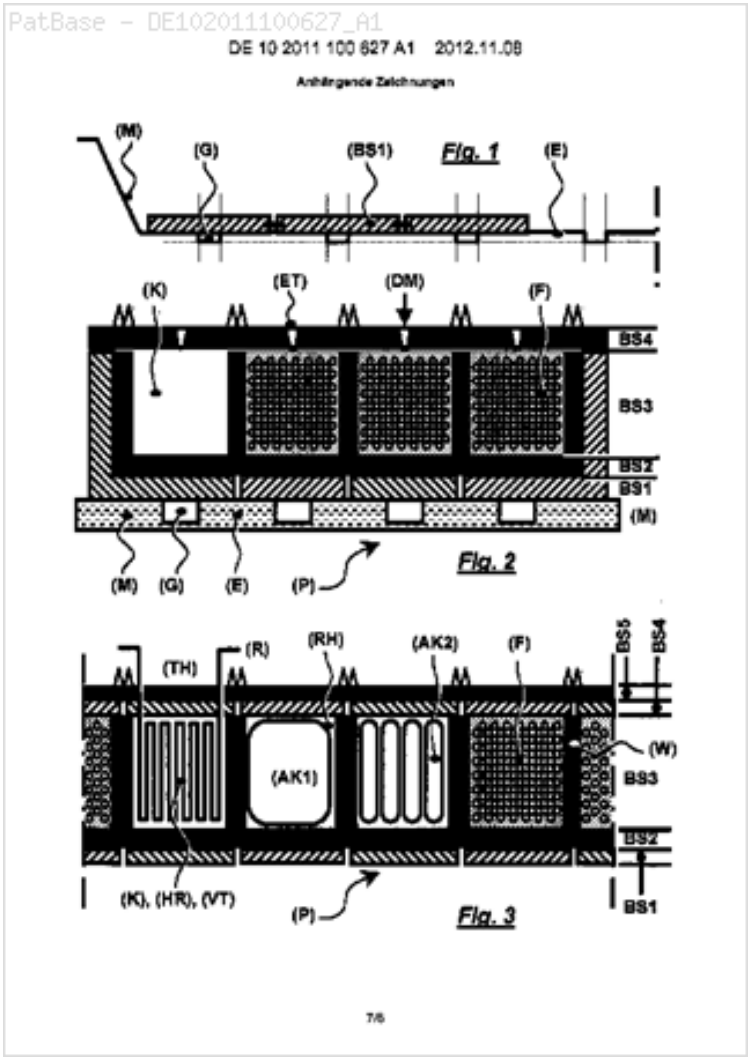
DE202009012013 U1

DE2009012013 U, DE2009011464,

DE102009011464 A1

Forward Citations: DE202013009991,

Abstract:
The floating concrete platform has cavities surrounded by the concrete components and the concrete layers, where the cavities are partially filled with buoyant material. The concrete layers are extended over the major portion of the platform. The concrete slabs (BS1) are manufactured in series and are juxtaposed under the platform. A heavy chain or heavy concrete and copper chips, or other anti−fouling substances as additive are received by the concrete of the floor and the outer layers of the floating body. The buoyant body is made of bellows, foam glass and foamed glass waste. Independent claims are included for the following: (1) a floodable trough for manufacturing floating concrete platform; and (2) a method for manufacturing floating concrete platform.



0) US6011840A – TELEPHONE ACCESSORY INCORPORATING DEMAND METER ...

56) Family number: 11983234 (US6011840A) © PatBase

Title:	Telephone accessory incorporating demand meter for multiple users
Priority:	US19970954319 19971017

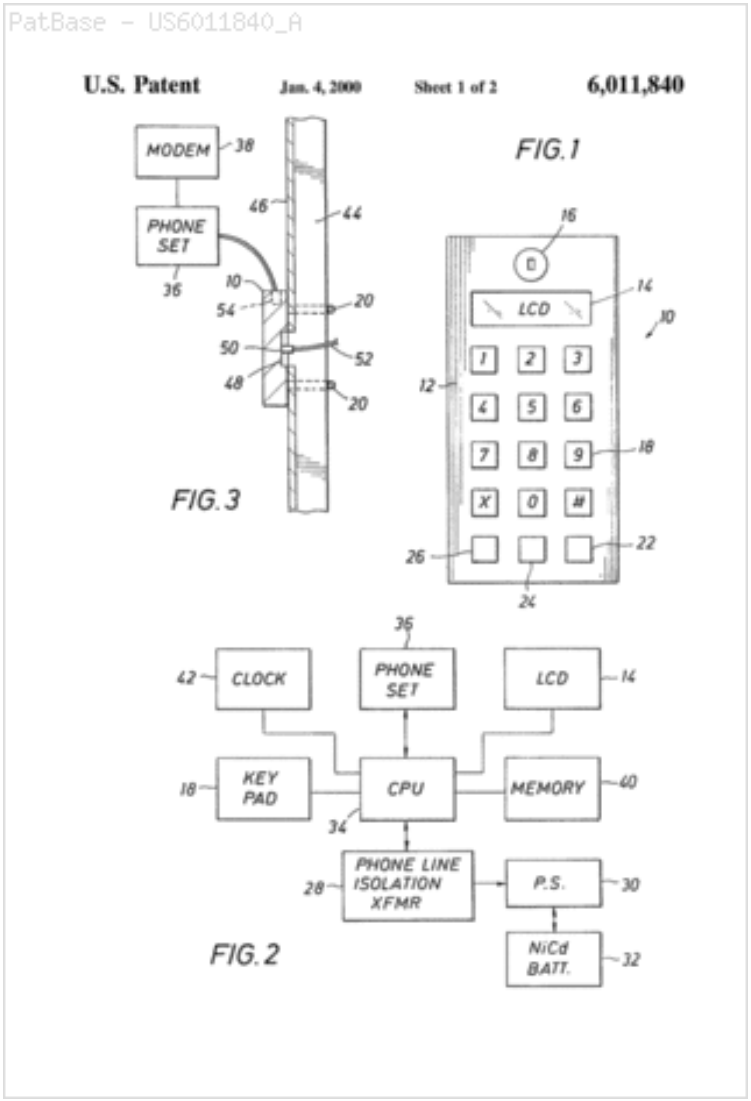
Family:

Publication number	Publication date	Application number	Application date
US6011840 A	20000104	US19970954319	19971017

Probable Assignee:	COBB BRANT
Assignee(s):(std)**:**	COBB BRANT
Inventor(s):(std)**:**	COBB BRANT
International class (IPC 8–9)**:**	H04M1/673 (Advanced/Invention); H04M1/66 (Core/Invention)
International class (IPC 1–7)**:**	H04M1/66 H04M3/00
CPC:	H04M1/673
European class:	H04M1/673
US class:	379/192 379/199 379/200 379/445
Classification Explorer	
Cited documents:	US5745555 A, US5509067 A, US5438612 A, US5274698 A, US5200995 A,
Forward Citations:	WO02078300, WO02078300, US6744863, US2007129023, US2004156357, GB2411072,

Abstract:
Source: US6011840A The present apparatus is a device interposed between a phone set and a telephone jack. It is secured by a lock and hasp to a post or frame member so that it overshadows and prevents access to a conventional telephone jack and the wall plate surrounding the jack. When locked in place, and connected serially between the phone set and the telephone line, it includes the user to input a PIN number, and to thereby make calls to specified telephone numbers (one or more). A field in memory stores unique PIN numbers for the users and calls numbers, and keeps track of available time not yet used by the N users. By decrementing with each call, the elapsed total time can be tracked. Charges can be controlled by limiting the authorized telephone numbers.

PatBase - US6011840_A



0) GB477265A – IMPROVEMENTS IN AND RELATING TO SHIMS FOR SUPPO...

57) Family number: 19163146 (GB477265A)

© PatBase

Title: Improvements in and relating to shims for supporting and levelling appliances

Priority: 19370701 GB19380019445 19380630

Family:

Publication number	Publication date	Application number	Application date
GB477265 A	19371224	GB19370018328	19370701
GB497858 A	19381230	GB19370018431	19370702
GB516297 A	19391229	GB19380019446	19380630
GB516597 A	19400105	GB19380019445	19380630

Probable Assignee: BRITISH THOMSON HOUSTON CO LTD

Assignee(s):(std): BRITISH THOMSON HOUSTON CO LTD

Assignee(s): THE BRITISH THOMSON HOUSTON COMPANY LIMITED

International class (IPC 8–9): F24C15/08 G01R11/185 H01B17/58 H02K11/00 (Advanced/Invention); F24C15/08 G01R11/00 H01B17/58 H02K11/00 (Core/Invention)

International class (IPC 1–7): H01J17/54

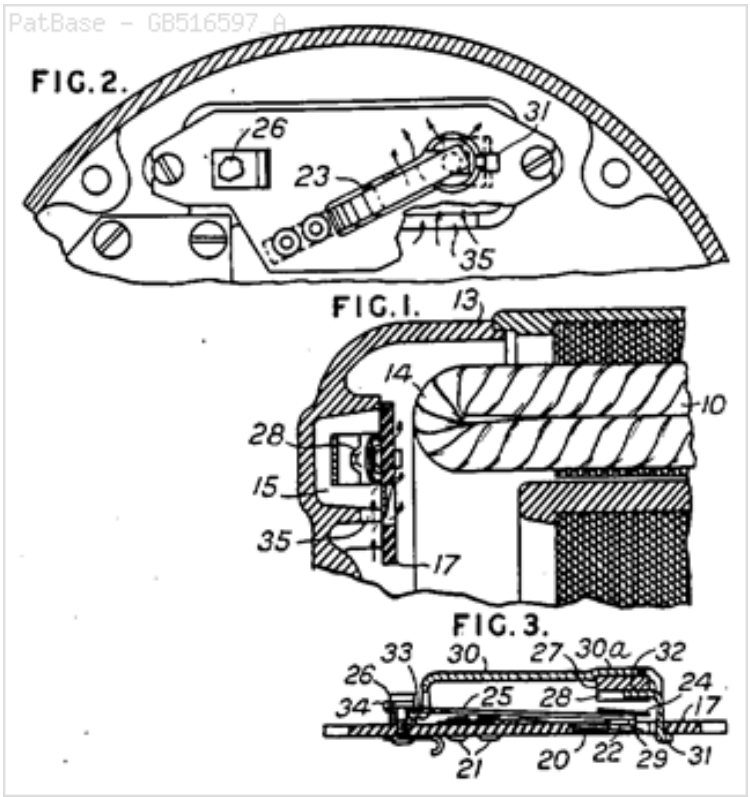
CPC: H01B17/58 G01R11/185 F24C15/08 H02K11/25

European class: F24C15/08 H02K11/00E H02K11/00F3

Classification Explorer

Forward Citations: US5239133, GB2254741, GB2254741, GB2246915, GB2246915, DE751156,

Abstract:
Source: GB477265A [Classes 83 (ii) and 83 (iv)] [Also in Groups XIV, VII, and XI] Joining sheet metal.–A device for levelling the legs 21 of an electric stove or other appliance comprises a base–plate 22 having flexible lugs 25 projecting upwardly therefrom adapted to pass through apertures 26 in shim plates 23. The lugs also pass through apertures 27 in flanges 24 inturned at the bottom of the leg and are bent over to secure the device to the leg. The base–plate 22 has a downward protuberance 28 giving a smooth round bearing surface on the floor.



0) GB709407A – ELECTRONIC NUMERICAL INTEGRATOR AND COMPUTER

58) Family number: 19344368 (GB709407A) © PatBase

Title: Electronic numerical integrator and computer

Family:

Publication number	Publication date	Application number	Application date
GB709407 A	19540526	GB19480017315	19480628

Probable Assignee: ECKERT MAUCHLY COMP CORP

Assignee(s):(std)**:** ECKERT MAUCHLY COMP CORP

Assignee(s): ECKERT MAUCHLY COMPUTER CORP

International class (IPC 8–9)**:** G06F9/30 (Advanced/Invention); G06F9/30 (Core/Invention)

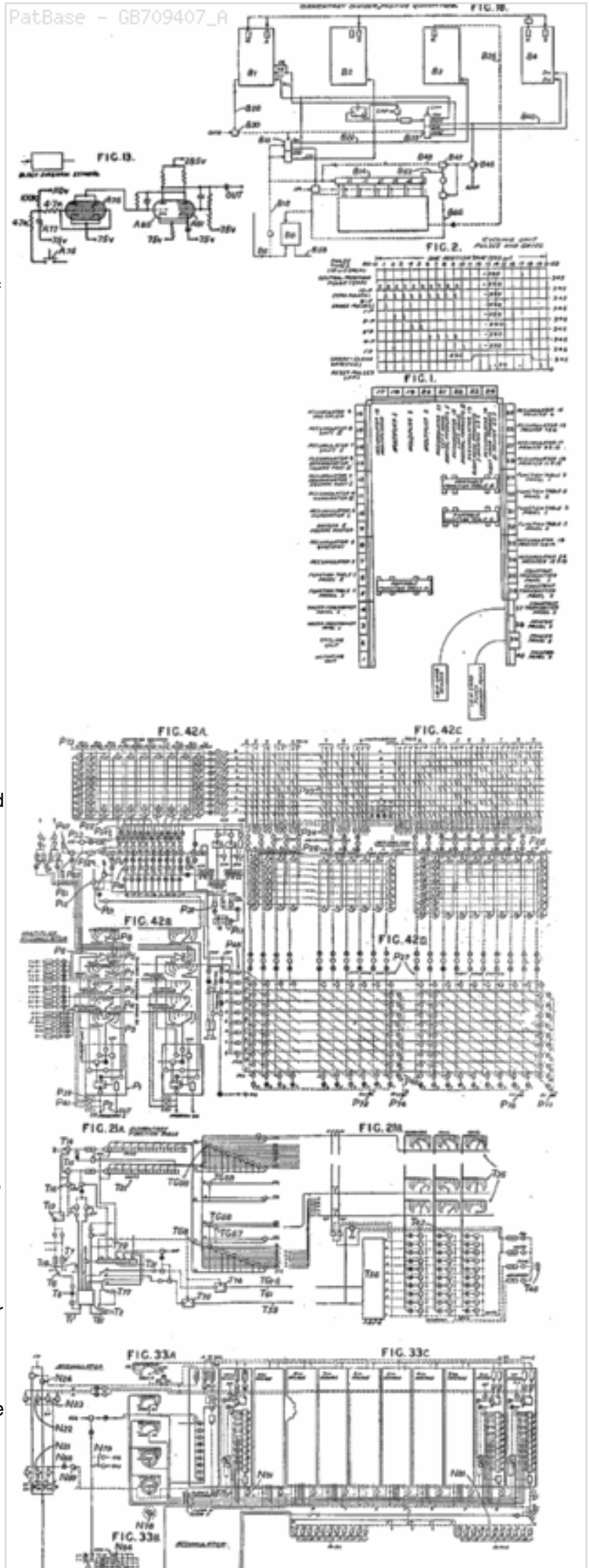
CPC: G06F9/30

European class: G06F9/30

Classification Explorer

Forward Citations: US3069078, US3053449, US2996700, US2973901, US2943788, US2913178, US2911149, US2910236, US2909993, US2874901, US2872110,

Abstract:
Source: GB709407A 709,407. Digital electric calculating−apparatus. ECKERT−MAUCHLY COMPUTER CORPORATION. June 28, 1948 [June 26, 1947], No. 17135/48. Class 106 (1). [Also in Group XL(c)] A computing machine comprises electronic trigger units interconnected to form a plurality of computing devices each responsive to pulses representing quantitative values to perform a predetermined computational operation upon such values and to provide a terminal pulse signal upon the termination of each such operation, and electronic programming means arranged to be stimulated by particular ones of such terminal signals to programme the sequence of such computational operations at electronic speeds in any predetermined relationship, whereby the results of any of the operations may be used in other subsequent operations in any of the computing devices to form a programmed routine of operations. The machine is primarily intended for computing large families of solutions all based on the same programme of operations. The entire computing schedule is carried out automatically after the sequence which it is to follow has been set up manually. The various elements of the machine fall into three classes : (i) arithmetic elements, (ii) memory elements and (iii) control elements. The first class includes means for carrying out the four rules, taking square roots, and comparing magnitudes ; the second comprises " external " memory e.g. punched cards, perforated tape, c., and " internal " memory e.g. switches, relays c. in the machine the third includes a " master programmer " unit controlling programme controls on the other units. These latter controls, when initiated by a programme pulse, cause the unit on which they are located to operate in accordance with the settings of various switches on the unit. The machine described comprises a series of forty vertical panels of uniform height and width extending round three sides of a large room, Fig. 1. In addition there are three truck−mounted function tables for connecting in at alternative parts of the system, a record card reading apparatus for entry of data, and a card punch (referred to as a "printer") for automatically recording results. A power pack is located at a distance from the main equipment, and there is also a ventilating system to extract the hot air generated by some 18,000 valves. The faces of the panels comprise switches for determining certain functions of the circuits therein, and for interconnection of the panels in variable relation for the transmission of numerical data and programme pulses there are link cables and plugs and so−called "trays" in which conductors are spaced with shielding between to minimize reactance eflects c. The circuits are built up from standardized. sub−units including flip−flops, Fig. 3 (not shown), binary rings, Fig. 4 (not shown), decade counters, Fig. 5 (not shown), and other counters, gates Fig. 6 (not shown), buffers, Fig. 9, (not shown), pulse standardizers, Figs. 12 (not shown), and 13, c. (see Group XL(c). Initiating unit.−This unit (panel No. 1, Fig. 1) permits manual initiation of the operation of the



machine by the formation of a starting pulse properly synchronized with the basic pulse times of the system to ensure positive starting without the liability of splitting a pulse. When a switch A75, Fig. 13, is closed, connecting the grids of valve A76 to zero potential, a condenser A77, connected to +75 volts, discharges through a 4.7K resistor. As the condenser, with a time constant of just over two milliseconds, discharges, both grids of the double triode drop in potential and the valve ceases to conduct, the consequent rise in anode potential causing valve A80 to conduct. The cross connections of valves A80, A81 cause A81 to be cut off, and the negative pulse at the anode of valve A80 is transmitted to a further circuit which responds only to negative pulses. Thus, the positive pulse which occurs when the switch A75 opens and the valves A76, A80, A81 return to their initial conditions has no effect. Moreover, the time constants for the discharging and charging of the condenser A77 are sufficiently long to prevent spurious operation due to chattering of the switch contacts or other transient effects from causing more than one negative pulse at the output of the circuit. The starting pulse, once communicated, causes the machine to store data supplied through the card reading apparatus, after which the machine automatically functions computatively on the stored material at an electronic speed. The initiating unit comprises also controls for turning the power on and off, for initial clearing and selective clearing of accumulators as well as programme controls for the card reader and printer. Testing devices are provided including D.C. and A.C. voltmeters and a D.C. voltage hum oscilloscope. Cycling unit.–This unit (panel No. 2, Fig. 1). produces the pulses (see Fig. 2) which are used to represent digits and to control the operations of the various units. It comprises a standard quartz crystal oscillator emitting 100 KC sine waves which are shaped by a pulse standardizer, similar in arrangement to' that described above, and fed into a 20–stage electronic counter. Pulses emitted from various stages of this counter are used to gate flip–flops, or in some cases are used directly as digit or control pulses, in a cycle based on a pulse time of 10 microseconds and repeated every 20 pulse times (i.e. every 200 Ás). Each cycle or frame of pulses, which is known as an " addition time," since it is the maximum time required for the addition of two ten–digit numbers, is signalled by a programme pulse (CPP) ; the 9P, the 1<SP>1</SP>P, the 1, 2, 2' and 4P pulses are commonly used to represent digits, the 1, 2, 2<SP>1</SP> and 4 pulses being used particularly where information stored in static form is converted into pulse form, e.g. in the high speed multiplier, the function table, the divider–square–rooter, and the constant transmitter. The 10P pulses are used only in the accumulators. They serve to cycle each counter around back to the position it starts from when a number and/or its complement is transmitted from an accumulator. The carry clear gate CCG, which lasts from pulse time 11 to pulse time 17, is used for clearing the accumulators, if desired, after transmission of

their contents, and also to allow a carry pulse to pass from a decade counter to the higher denomination where appropriate. In delayed carry over the first reset pulse RP is " gated by the carry clear gate to reach the next denomination ; in direct carry over (i.e. carry over which results from carry over) the pulse which necessitates carry over is the one which the carry clear gate allows to pass to the next higher denomination. The second reset pulse RP (and in some cases the first RP pulse) resets carry over flip−flops which have been involved in carry over. The 1<SP>1</SP>P pulse is used in connection with the " fugitive one." A switch on the cycling unit enables the operator to suspend continuous operation, and the twenty steps of the addition cycle are then carried out each time a push button is depressed. Another position df the switch allows each individual step to be controlled by the push button. The forms of the pulses generated can be viewed on an oscilloscope built into the cycling unit. All the pulses are passed through transmitters for power amplification before passing into the several lines of the cycling trunk. Accumulators.−The accumulators, which occupy twenty of the panels, Fig. 1, serve both as memory and as arithmetic units, performing addition and subtraction. Each can store, and operate upon, a ten−digit, positive or negative number, while two accumulators can be interconnected so as to store or operate on a signed number of twenty digits. Repeat programme controls make it possible for an accumulator to receive or transmit a number repetitively from one to nine times when a particular control is stimulated, while cable shifters make it possible to receive an incoming number shifted to the right or left. Thus, by repeated addition, the accumulator can carry out multiplication of a number by a constant having one or more digits. There are five digit input channels for each accumulator, through any of which a ten−digit signed number may be received. The circuits of an accumulator comprise three groups. First, the programme control circuits comprising receiver and transceiver plug−in units and their associated switching circuits i.e. programming memory, and the repeater circuit. Second, the common programming circuits which directly control numerical circuits by opening certain gates and, in some cases, introducing certain pulses into the numerical circuits. These circuits determine which operation the unit shall perform. Third the numerical circuits comprising ten decade ring counters and an additional binary ring for registering the sign (plus−minus). The operation performed by the numerical circuits is determined primarily by the various switch settings of the particular control circuit used. The receiver circuits cause the accumulator to add to its present contents any ten−digit signed number arriving through one of five input channels SV ... SV5, Fig. 33C, under control of receiving gates N81. A positive programme pulse arriving at the input N6, Fig. 33B, of a receiver N4<SP>1</SP> causes a valve N52 to conduct and send a negative pulse to reverse an associated flip−flop N4. An inverter N53 cuts off causing a

cathode follower N54 to conduct thus passing a positive gate voltage through deck 3 of the operation switch which. when set at one of the five receive positions x, #, ?, #, #, (say a) directs the positive gate voltage to SU1, through interconnector cable to ST1, causing a valve N82 to conduct and an inverter N83 to be cut off. The positive gate from N83 opens the gate tubes N81 of

59) Family number: 19344397 (GB709408A)

© PatBase

Title: A cycling device for electronic–computing apparatus

Family:

Publication number	Publication date	Application number	Application date
GB709408 A	19540526	GB19520018531	19480628

Probable Assignee: ECKERT MAUCHLY COMP CORP

Assignee(s):(std)**:** ECKERT MAUCHLY COMP CORP

Assignee(s): ECKERT MAUCHLY COMPUTER CORP

International class (IPC 8–9)**:** G06F9/32 (Advanced/Invention)

International class (IPC 1–7)**:** G06F9/00

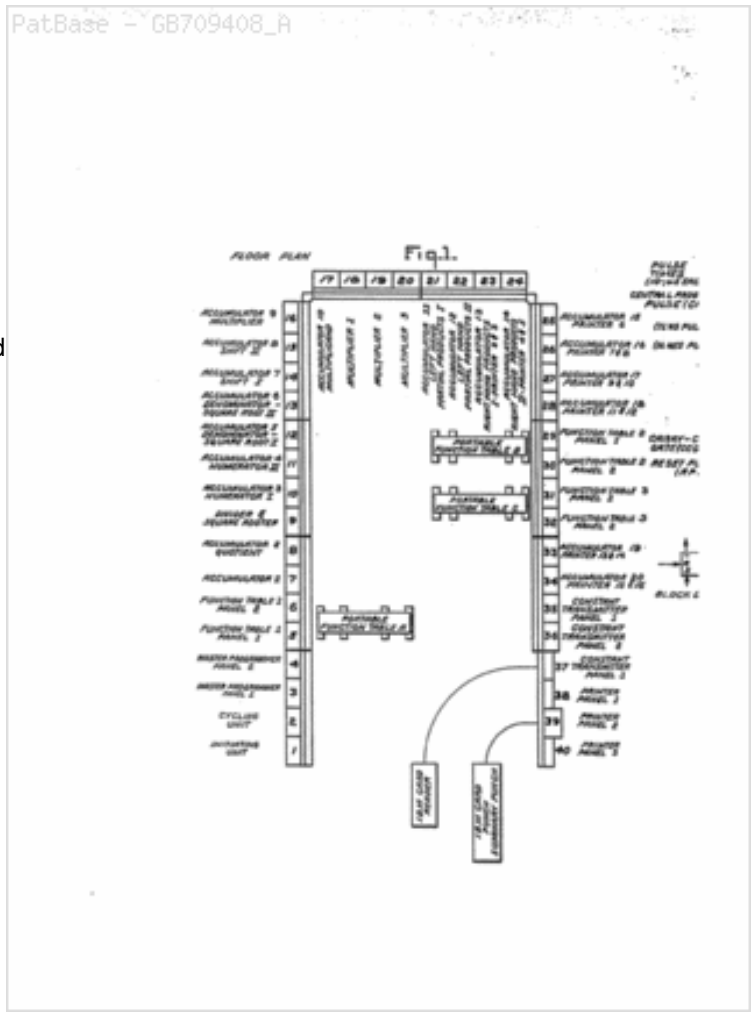
CPC: G06F9/30

European class: G06F9/30

Classification Explorer

Forward Citations: US3127507, US3119101, US3118055, US3083903, US3023964, US3023963, US2937810,

Abstract:
Source: GB709408A 709,408. Digital electric calculating–apparatus. ECKERT–MAUCHLY COMPUTER CORPORATION. June 28, 1948 [June 26, 1947], No. 18531/52. Divided out of 709,408. Drawings to Specification. Class 106 (1) In a cycling device for electronic computing apparatus which comprises a source of uniformly spaced pulses, a stepping device responsive to pulses from the source to actuate a successive stage therein for each received pulse, each of the stages being adapted to produce an output pulse when actuated, and a bistable state element adapted to remain in one or the other of two conditions and to produce an output signal when in one condition, one of the stages is connected to trigger the element to the one condition upon production of an output pulse and another of the stages is connected to trigger the element to the other condition upon production of an output pulse. The detailed description is identical with that of Specification 709,407 but the claims differ. Specifications 709,409 and 709,410 also are referred to.



0) GB709409A – ELECTRONIC MULTIPLYING APPARATUS

60) Family number: 19344425 (GB709409A)

© PatBase

Title: Electronic multiplying apparatus

Priority: 19470626

Family:

Publication number	Publication date	Application number	Application date
GB709409 A	19540526	GB19520018591	19480628

Probable Assignee: ECKERT MAUCHLY COMP CORP

Assignee(s):(std)**:** ECKERT MAUCHLY COMP CORP

Assignee(s): ECKERT MAUCHLY COMPUTER CORP

International class (IPC 8–9): G06F7/498 G06F7/52 (Advanced/Invention); G06F7/48 (Core/Invention)

International class (IPC 1–7): G06F7/52

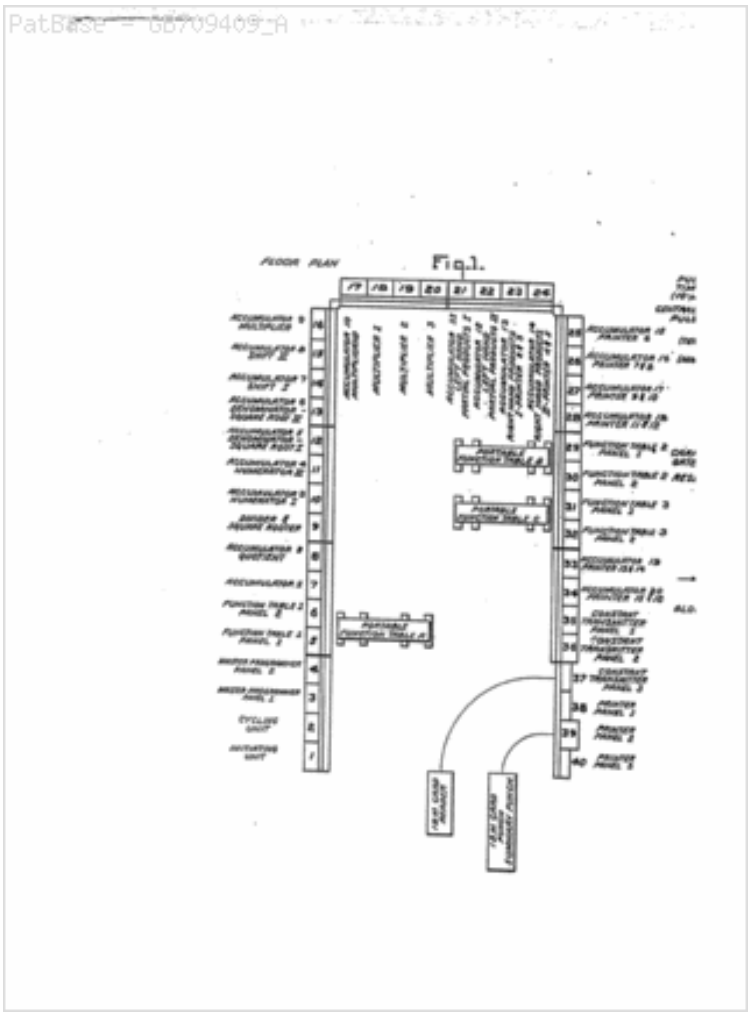
CPC: G06F7/4988

European class: G06F7/498B3 G06F7/52B2C

Classification Explorer

Forward Citations: US2979260, US2948464,

Abstract:
Source: GB709409A 709,409. Digital electric calculating–apparatus. ECKERT–MAUCHLY COMPUTER CORPORATION. June 28, 1948 [June 26, 1947], No. 18591/52. Divided out of 709,407. Drawings to Specification. Class 106 (1) Electronic multiplying apparatus comprises a first number storage register, a second number storage register, a function table representing partial product values in a predetermined number system, apparatus applying the contents of the first and second storage registers to the function table to derive therefrom the appropriate partial products, and means for combining the resultant partial products. The detailed description is identical with that of Specification 709,407 but the claims differ. Specifications 709,408 and 709,410 also are referred to.



0) GB709410A – A REGISTER OR ACCUMULATOR FOR ELECTRONIC COMPUT...

61) Family number: 19344453 (GB709410A)

© PatBase

Title: A register or accumulator for electronic computing apparatus

Priority: 19470626

Family:

Publication number	Publication date	Application number	Application date
GB709410 A	19540526	GB19520018612	19480628

Probable Assignee: ECKERT MAUCHLY COMP CORP

Assignee(s):(std): ECKERT MAUCHLY COMP CORP

Assignee(s): ECKERT MAUCHLY COMPUTER CORP

International class (IPC 8–9): G06F7/498 G06F7/50 H03K17/54 H03K23/82 H03K5/00 (Advanced/Invention); G06F7/48 H03K17/51 H03K23/00 H03K5/00 (Core/Invention)

International class (IPC 1–7): G06F7/48

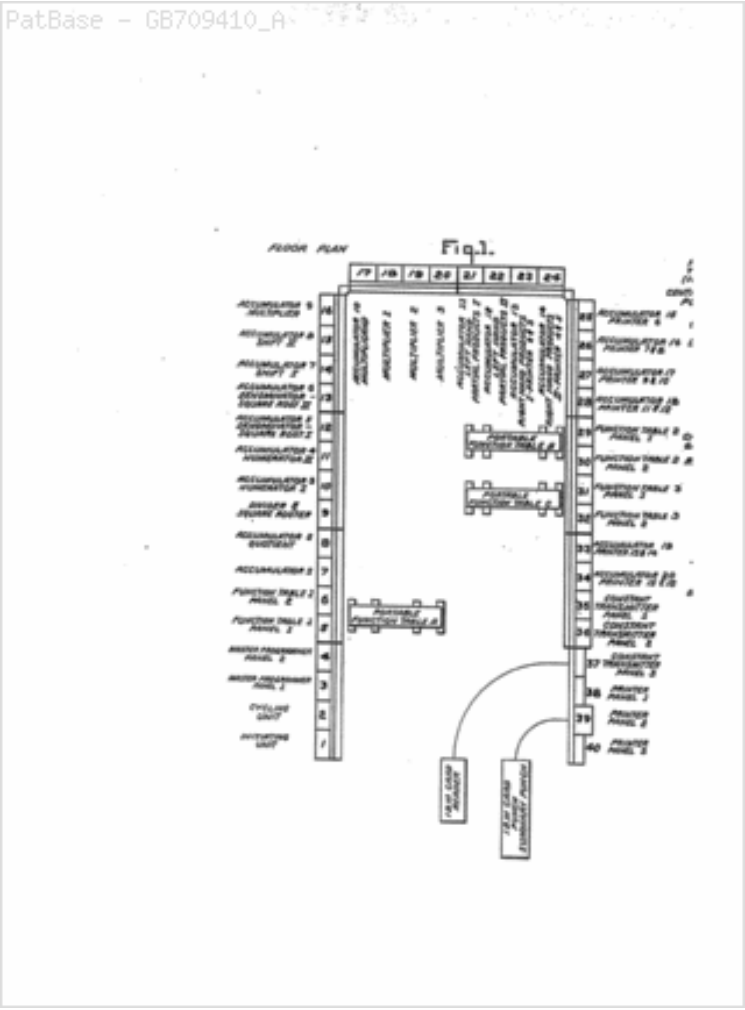
CPC: G06F7/4981 H03K5/00 H03K17/54 H03K23/82

European class: G06F7/498A G06F7/50B2 H03K17/54 H03K23/82 H03K5/00

Classification Explorer

Forward Citations: US3005588, US2925218,

Abstract:
Source: GB709410A 709,410. Digital electric calculating–apparatus. ECKERT–MAUCHLY COMPUTER CORPORATION. June 28, 1948 [June 26, 1947], No. 18612/52. Divided out of 709,407. Drawings to Specification. Class 106 (1) A register or accumulator for electronic computing machines comprises means for receiving electric pulses coded to represent any particular quantitative value with its sign indication, means responsive to such pulses for producing a unique state of energization of the first means dependent upon the quantitative value and the sign indication of the received pulses, and control means for the pulse–responsive means arranged to receive other electric pulses and responsive to them to cause the transmission of pulses coded to correspond in quantitative value and sign indication to the unique state of energization. The detailed description is identical with that of Specification 709,407 but the claims differ. Specifications 709,408 and 709,409 also are referred to.



0) GB688030A – IMPROVEMENTS IN OR RELATING TO LIQUID MEASURING...

62) Family number: 20022438 (GB688030A)

© PatBase

Title:	Improvements in or relating to liquid measuring and dispensing apparatus
Priority:	GB19490028188 19491103

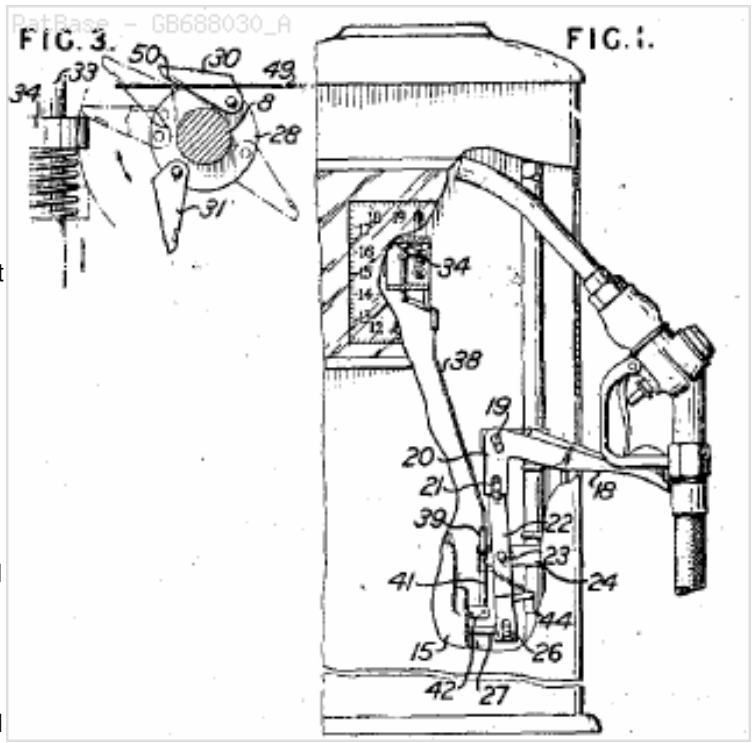
Family:

Publication number	Publication date	Application number	Application date
GB688030 A	19530225	GB19490028188	19491103

Probable Assignee:	PARKWOOD ENGINEERING CO LTD
Assignee(s):(std):	PARKWOOD ENGINEERING CO LTD
Assignee(s):	PARKWOOD ENGINEERING CO LIMITED
Inventor(s):(std):	GODDARD HENRY FREDERICK
International class (IPC 8–9):	B67D7/08 (Advanced/Invention)
International class (IPC 1–7):	B67D5/08
CPC:	B67D7/08
European class:	42E21D B67D7/08

Classification Explorer

Abstract:
Source: GB688030A 688,030. Liquid–dispensing apparatus. PARKWOOD ENGINEERING CO., Ltd. Oct. 20, 1950 [Nov. 3, 1949], No. 28188/49. Class 116 Liquid–dispensing apparatus is provided with means for interrupting the discharge of liquid after an approximately predetermined quantity has been dispensed and irrespective of the total quantity to be delivered. In a petrol pump, Fig. 1, the nozzle rests on a lever 18 pivoted at 19 and having a bifurcated part 20 engaging a pin 21 on a lever 22 pivoted at 23 to a bracket 24. The lever has a bifurcated end engaging a pin 26 on a motor actuating switch rod 27 shown in the closed position. A collar 28 adjustably mounted on the total units rod 8 of the indicating mechanism carries spaced pawls 30, 31, so positioned to engage a collar 34 on a rod 33 as the rod 8 rotates. The collar 34 is spring urged upwardly and connected by a pivoted rod to a rod 38 and lever 39, the end of which engages a throw–out lever 41 pivoted to a bracket 42 on the motor 15. Pawls 30 and 31 (Fig. 3) are pivoted on the collar 28 and are maintained in outwardly projecting position by a spring 49 above the rod 8 which engages a lug 50 on the pawl. As the rod rotates further, the pawl engages the collar and lowers the rod 33, which in turn raises the rod 38 thus releasing the throw–out lever 4 which is connected by a spring to a bracket 44 on the lever 22. As the throwout lever 41 rotates under the action of the spring the lever 22 is also rotated to move the rod 42 outwardly to open the motor switch. To recommence delivery, the arm 18 is raised causing the arm 22 to pivot to move the rod 27 inwardly and to close the motor switch and to force the throw–out lever upwardly to restore the lug to its original position the pawl having passed the lug. The pawls and collar may be adjustably mounted on the total units rod so that delivery is stopped at any required amount. In a modification a bar with a shoulder may be used instead of the rod 33, and collar 34, the pawls may be rigid with the collar or the pawls could be arranged to strike the underside and lift the lever 38. directly. Specification 645,603, [Group XXXV], is referred to.



0) IN01812MU2014A – PORTABLE COLLAPSIBLE DOUBLE DECK SKYWALK

63) Family number: 61032431 (IN01812MU2014A) © PatBase

Title: PORTABLE COLLAPSIBLE DOUBLE DECK SKYWALK

Priority: IN2014MU01812 20140602

Family:

Publication number	Publication date	Application number	Application date
IN01812MU2014 A	20151204	IN2014MU01812	20140602

Probable Assignee: PURI ASHOK KUMAR

Assignee(s): PURI ASHOK KUMAR

Inventor(s): PURI ASHOK KUMAR

International class (IPC 8–9): E01D18/00 E01D19/12 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN01812MU2014A The subject matter of the invention is a mobile emergency Portable Collapsible Skywalk comprising a bridge structure consisting of a expandable, stiffenable and collapsible pantograph frame and hydraulic cylinders (10) or wire rope winch actuators that extend and retract the frame including the supplementary upper and lower deck assemblies and linkages, mounted on a Flat Bed Trailer (12) which when extended forms a arched or vaulted rigid structure for rapid deployment, wherein the bridge frame comprises a series of vertical inclined Rectangular sealed tubular frames (1) linked to each other in a Lazy Tong or pantograph fashion with vertical inclined sealed Tubular outer members (2) which have slider/antifriction bearing block bore holes (3) at each end, intermediate and at their offsetted center for enmeshing hinge pins (4) Fixed to the vertical struts of the Rectangular frames and with upper chord deck panels (5) and lower chord deck panels (6) are lockable panels having grating decks, hinged to each other along one adjacent side(7) and along the opposite side (8) hinged to the upper or lower cross member of every alternate vertical inclined Rectangular frame (1), the whole assembly housed in a pivoted box frame (9) with channel guides and hydraulic cylinder actuators (10) and tilting winch mechanism (11) mounted on a Towable Flat Bed Trailer(12) without riggers and licensed for road transport, This arrangement can simultaneously facilitate faster evacuation of people over the upper deck and vehicles over the lower deck. As the upper deck is longer than the lower deck, the extended frame forms a naturally arched structure of considerable strength, being extremely light at the same time. The ratio of the collapsed to the extended length of the structure being 1:25.Hence a 30 meter long bridge structure can be collapsed to a length of 1.2 meters. For longer lengths a pair of steel cables(13) are attached to the lower extremities of the structure to provide the required tension member to retain the structure in arched form. With the aid of temporary pier structures or anchored floatation vessels a series of such structures can be used to cover larger expanses of flooding water bodies.

0) DE19616132A1 – METHOD FOR RETRO–FITTING OF PLUMBING SERVICES I...

64) Family number: 17995771 (DE19616132A1) © PatBase

Title: Method for retro–fitting of plumbing services in multi–storey premises

Priority: DE19961016132 19960411

Family:

Publication number	Publication date	Application number	Application date
DE19616132 A1	19971030	DE19961016132	19960411
DE19616132 C2	19991028	DE19961016132	19960411

Probable Assignee: CTA ANLAGENBAU GMBH

Assignee(s):(std): CTA ANLAGENBAU GMBH

Assignee(s): CTA ANLAGENBAU GMBH 15517 FUERSTENWALDE DE

Inventor(s):(std): KRUEGEL MEINFRIED

Inventor(s): KRUEGEL MEINFRIED 15526 BAD SAAROW PIESKOW DE

International class (IPC 8–9): E03C1/01 E04F17/08 E04G21/18 (Advanced/Invention); E03C1/00 E04F17/00 E04G21/18 (Core/Invention)

International class (IPC 1–7): E04F17/08 E04G21/00 E04G23/02 G01C15/02

CPC: E03C1/01 E04F17/08 E04G21/18

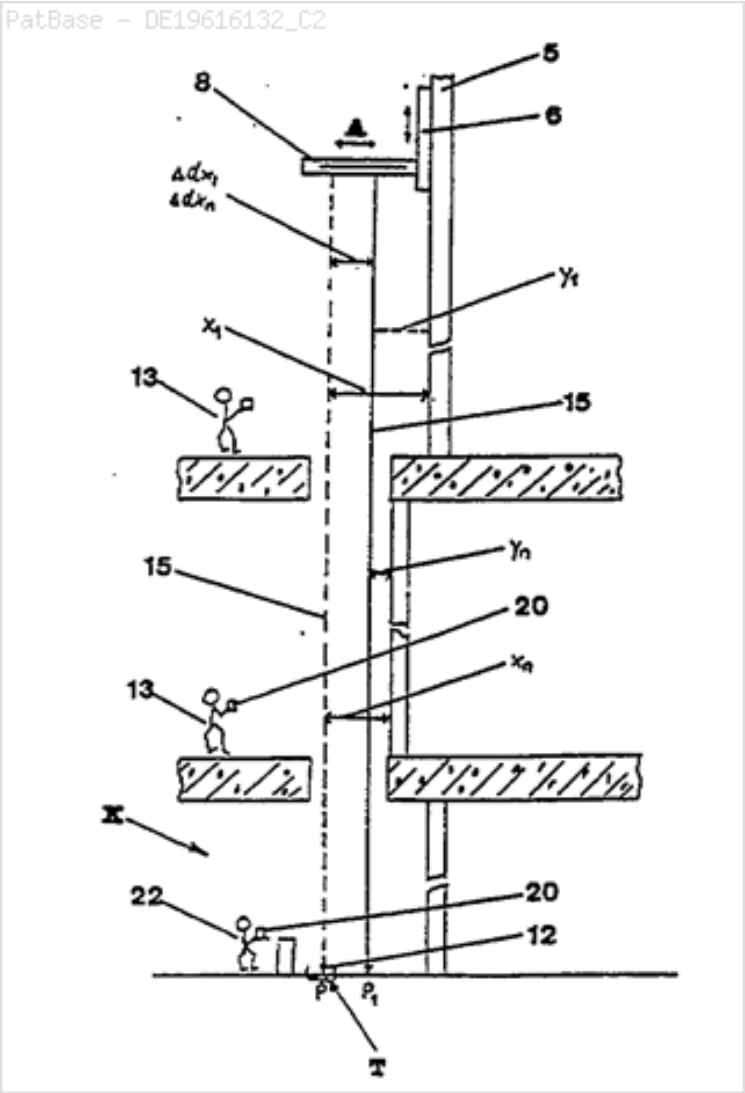
European class: E03C1/01 E04F17/08 E04G21/18

Classification Explorer

Cited documents: DE4416043 A1, DE29515184 U1, DE29507439 U1, DE2006341 A1,

Forward Citations: WO10116032, US8400644,

Abstract:
Source: DE19616132A1 The system employs a plumbline from the topmost storey (XI) to the basement (K) supported on a jib in a space (4) between the bathroom (2) and kitchen (3) of each floor (I to XI) anchored and tensioned at its point of free fall (8). The distances (X1 to Xn) of the walls (5) from the plumbline measured at each level are then reduced to (Y1 to Yn) by refixing the line nearer the wall (5). Sufficient space is however retained for the individual service distribution units fitted at each level to be readily connected vertically in series for observing the respective spacings (Y1 to Yn) when adjusting their mounting bolts (not shown).



0) KR20110083260A – INSTALLED IN HOMES AND ROADS AROUND THE FIXED S...

65) Family number: 49298632 (KR20110083260A) © PatBase

Title:	Installed in homes and roads around the fixed seolchimulyong bohoteul (Machine translation)
Priority:	KR20100003403 20100114

Family:

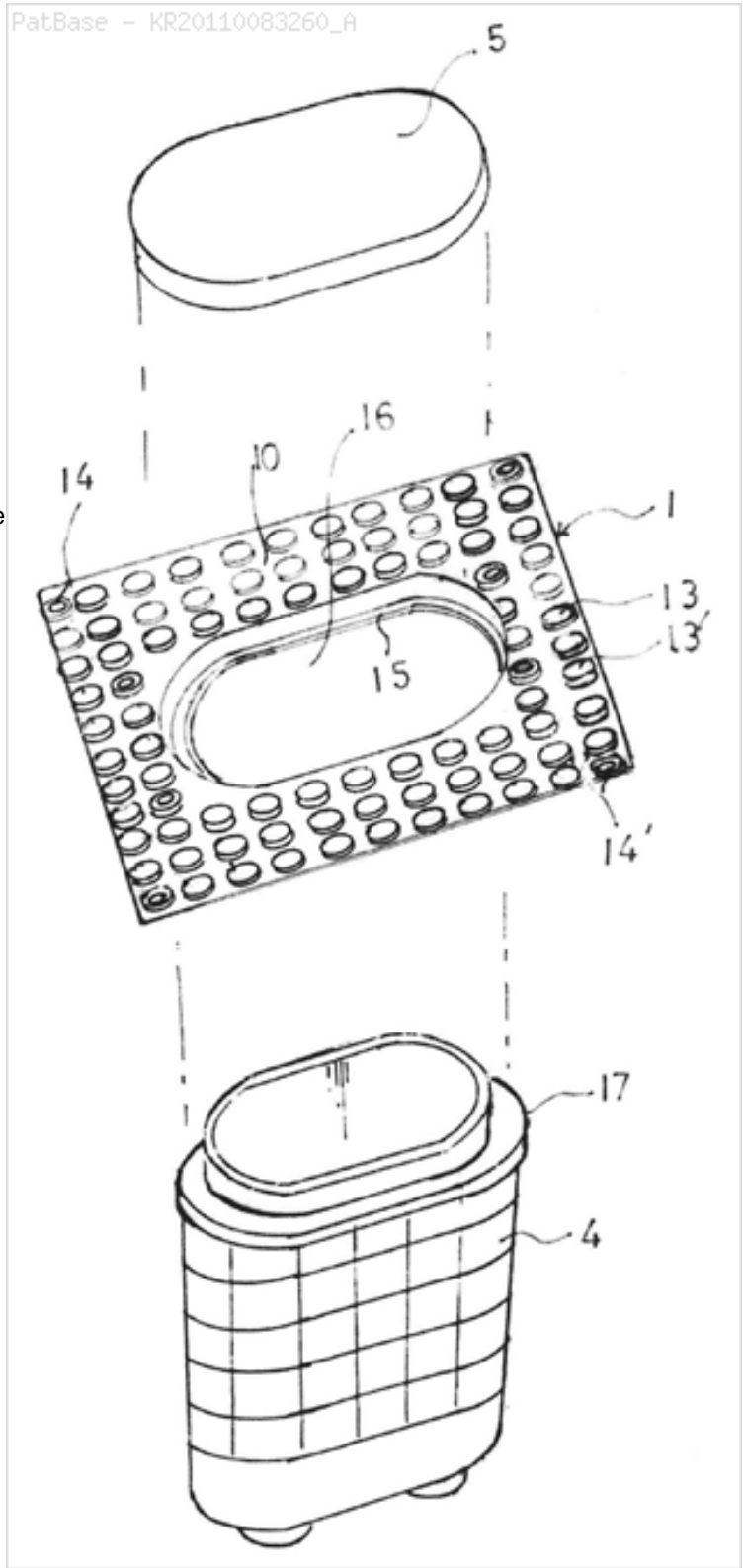
Publication number	Publication date	Application number	Application date
KR20110083260 A	20110720	KR20100003403	20100114

Probable Assignee:	BANG BYUNG MIN
Assignee(s):(std)**:**	BANG BYUNG MIN
Inventor(s):(std)**:**	BANG BYUNG MIN
International class (IPC 8–9)**:**	E01F15/00 E02D29/12 E03B9/10 E04H12/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: KR20110083260A

Machine translation: The present invention installed around the house and the road that you can protect installations around the framework of protection relates to a meter bohotong more detail, including the capital, living conditions for the living area around the fixture is being installed on the floor or press install than a block to be protruded, so when walking, puncture the wheels of transportation collide, fall or, installations have been damaged or peeling of the lid, being unable to prevent the appearance that is beautiful and the roads around residential fixtures installed framework for the protection is about. the present invention installed in the central portion of the protection framework formed by 0, 0 inserted if projected installation of water fixtures installed around the cover so that while one crowned as, integrally formed with the overall framework of protection protection framework that can roll on the structure such high poles detachable protective housing and local specialties that can be displayed as specialties pyosihyeong formed to protect the frame, protecting the upper surface of the frame formed side slopes to be formed as a flat bottom side, bohoteul Uneven slopes of sangmyeoncheuk hwandolteok or check munuihyeong attract large and small dolteokgwa home or formed of a plurality of fixed as 0, a bottom side formed into a flat state, but seolchigong dolseolpanyi dolseoldoedorok thin plane formed by the internal side framework of protection, so you can adjust the height of the installation, and also to show the specialties of each region is characterized by made. above, protective housing, and roads around the jutae meter may be installed to be protruding through the lid or manhole protection, two cheolgae, Borla also include the installation of protective frame 0 is inserted into the place, or a removable protective frame on both sides of poles put in, the protection of the frame to put three anchors installed in a fixed 0, so ease of installation, and striking a prominent fixture of the locking bar and remove the problems and prevent slipping and to be biting, and fixtures to go around because of the additional concrete work installations around the beautiful effect is to make the.



0) GB704756A – IMPROVEMENTS RELATING TO LIQUID MEASURING AND D...

66) Family number: 20012903 (GB704756A)

© PatBase

Title: Improvements relating to liquid measuring and dispensing apparatus

Priority: GB19500013688 19500601

Family:

Publication number	Publication date	Application number	Application date
GB704756 A	19540303	GB19500013688	19500601

Probable Assignee: WAYNE TANK AND PUMP CO LTD

Assignee(s):(std)**:** WAYNE TANK AND PUMP CO LTD

Assignee(s): WAYNE TANK AND PUMP CO LIMITED

Inventor(s):(std)**:** SMALE NORMAN EDWIN

International class (IPC 8–9)**:** D06F33/00 (Advanced/Invention)

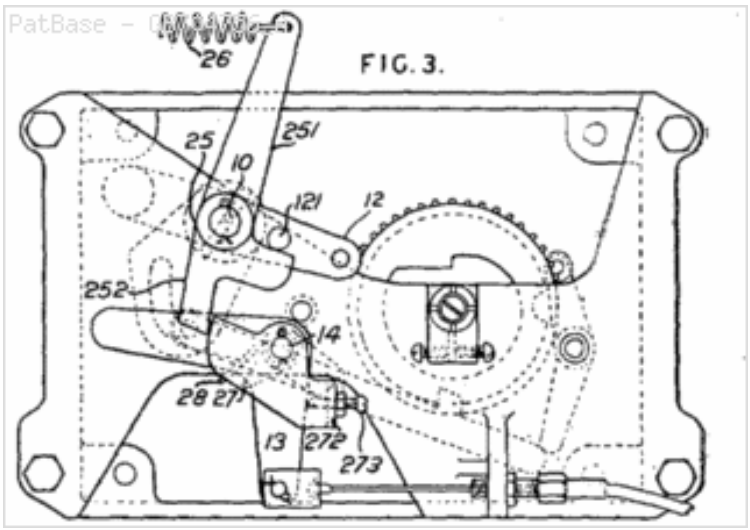
International class (IPC 1–7)**:** G01F13/00

CPC: D06F33/00

European class: 42E21D D06F33/00

Classification Explorer

Abstract:
Source: GB704756A 704,756. Dispensing liquids. WAYNE TANK and PUMP CO., Ltd. Aug. 7, 1951 [June 1, 1950], No. 13688/50. Class 116 Liquid measuring and dispensing apparatus having preset mechanism incorporates a cocking lever on the motor switch operating shaft and means associated with the shaft to operate the switch, a catch member urged by a spring to retain the lever in cocked position after switching on the motor subsequently to opening the cutoff valve and means associated with the cut–off valve for tripping the catch member to free the cocking lever to operate the switch when the cut–off valve has moved to fully closed position on completion of the delivery operation. The apparatus incorporates preset mechanism such as is described in Specification 690,990. The apparatus is preset to the required amount, the shaft 10 is then rotated to switch on the motor, simultaneously opening the valve. A lever 25 on the shaft 10 is thereby rotated, one end 252 of the lever bears on and rotates a plate 27 on the valve operating shaft 14 carrying a lever 13 connected to the valve; the other end of the lever 25 is connected by a spring 26 to a fixed part. A torsion spring 28 is mounted on the shaft 14 and a yoke 272 embraces the lever 13 and a screw 273 contacts the lever. By rotating the plate 27 the screw 273 disengages from the lever, the end 252 rides over the plate, the plate being then free to rotate under the action of the spring 28 so that the lever end 252 abuts the surface of the plate, Fig. 3, locking it in position and keeping the motor switch closed and the screw 273 in contact with the plate. At the completion of delivery the valve shaft 14 is rotated and with it the plate 27, freeing the end 252, the lever 25 then being free to rotate to switch off the motor under the action of the spring 26 by engaging a roller 121 on an interlock lever 12. The motor can be switched off at any time during delivery by turning the shaft 10. So that a lighter spring 26 may be used the switch operating rod is associated with a weight. Specification 690,991, [Group XXIX], also is referred to.



0) US5167842A – INSTALLATION FOR THE FABRICATION OF CELLS TO BE...

67) Family number: 5220277 (US5167842A) © PatBase

Title: INSTALLATION FOR THE FABRICATION OF CELLS TO BE SUBSEQUENTLY ASSEMBLED SIDE BY SIDE IN ORDER TO CONSTITUTE A CONSTRUCTION UNIT

Priority: FR19890014778 19891110

Family:

Publication number	Publication date	Application number	Application date
DE69003352 D1	19931021	DE19906003352	19901107
DE69003352 T2	19940317	DE19906003352T	19901107
EP0427621 A1	19910515	EP19900403151	19901107
EP0427621 B1	19930915	EP19900403151	19901107
ES2045860 T3	19940116	ES19900403151T	19901107
FR2654379 A1	19910517	FR19890014778	19891110
FR2654379 B1	19920313	FR19890014778	19891110
US5167842 A	19921201	US19900610574	19901108

Probable Assignee: VERCELLETTO ENTR

Assignee(s):(std)**:** VERCELLETTO ENTR ; VERCELLETTO ENTREPRISE ; VERCELLETTO ETS ; VERCELLETTO MAMERS ENTREPRISE

Assignee(s): ENTREPRISE VERCELLETTO ; ENTREPRISE VERCELLETTO MAMERS FR

Inventor(s):(std)**:** VERCELLETTO MICHEL ; MICHEL VERCELLETTO

Inventor(s): VERCELLETTO MICHEL F 72600 MAMERS FR

Designated states: DE ES GB IT

International class (IPC 8–9): B28B7/02 B28B7/22 E04B1/348 E04G11/02 (Advanced/Invention)

International class (IPC 1–7): B27B7/2 B28B7/02 B28B7/22 E04B1/348 E04G11/2

CPC: B28B7/02 B28B7/22 E04B1/34823 E04G11/02

European class: B28B7/02 B28B7/22 E04B1/348C2 E04G11/02

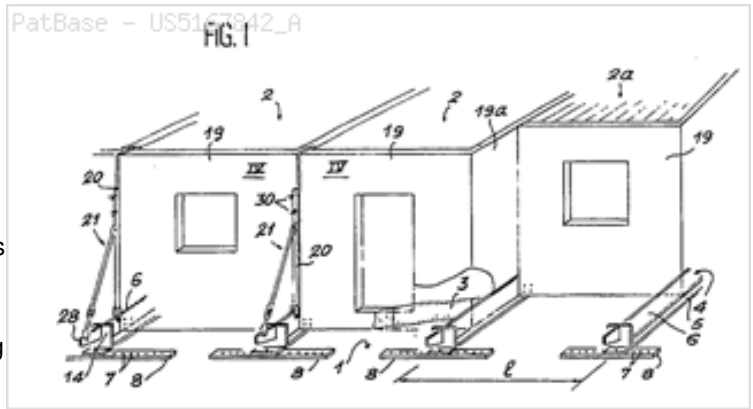
US class: 249/129 249/155 249/158 249/27 249/78 249/84 249/93 264/297.9 264/35 425/111 425/123 425/127 52/125.4 52/79.1

Classification Explorer

Cited documents: US4953280 A, US4673159 A, US4372906 A, US4042659 A, US3834110 A, US3652052 A, US2870517 A, SU269766 T, SU1028507 T, GB913842 A, FR2416310 A2, FR2192220 A2, FR2141580 A1, DE2324549 A1,

Forward Citations: US6330771, US6128878, US2013305629, US2010119336,

Abstract:
Source: US5167842A An installation for the fabrication of a series of cells constituting a single construction unit such as a dwelling house or a building story includes a fabrication bed which carries members for subdividing a single placement of concrete into serveral distinct slabs each forming part of one cell. These subdividing members are removably fixed on the fabrication bed in various positions according to the intended width of the cells. The subdividing members carry a device for temporarily immobilizing the two prefabricated panels placed on each side, each device being constituted by a post, the lower end of which can be fixed in an adjustable position on the corresponding subdividing member, and by an



external shore of adjustable length.

0) FR1532450A – PERFECTIONNEMENTS AUX ROBINETS, NOTAMMENT ROBIN...

68) Family number: 21000774 (FR1532450A) © PatBase

Title: PERFECTIONNEMENTS AUX ROBINETS, NOTAMMENT ROBINETS PERDUS, POUR RECIPIENTS TELS QUEFUTS, TONNELETS, BIDONS OU ANALOGUES, ET RECIPIENTS AINSI EQUIPES Improvements to TAPS, VALVES INCLUDING LOST FOR CONTAINERS SUCH QUEFUTS, drums, CANS OR THE LIKE, AND CONTAINERS AND TEAMS (Machine translation)

Priority: FR19670107955 19670526

Family:

Publication number	Publication date	Application number	Application date
FR1532450 A	19680712	FR19670107955	19670526

Probable Assignee: FUTS METALLIQUES GALLAY S A

Assignee(s):(std)**:** FUTS METALLIQUES GALLAY S A

Assignee(s): FUTS METALLIQUES GALLAY SA

International class (IPC 8–9)**:** F16K3/26 (Advanced/Invention); F16K3/00 (Core/Invention)

International class (IPC 1–7)**:** B65D25/44 F16K3/26

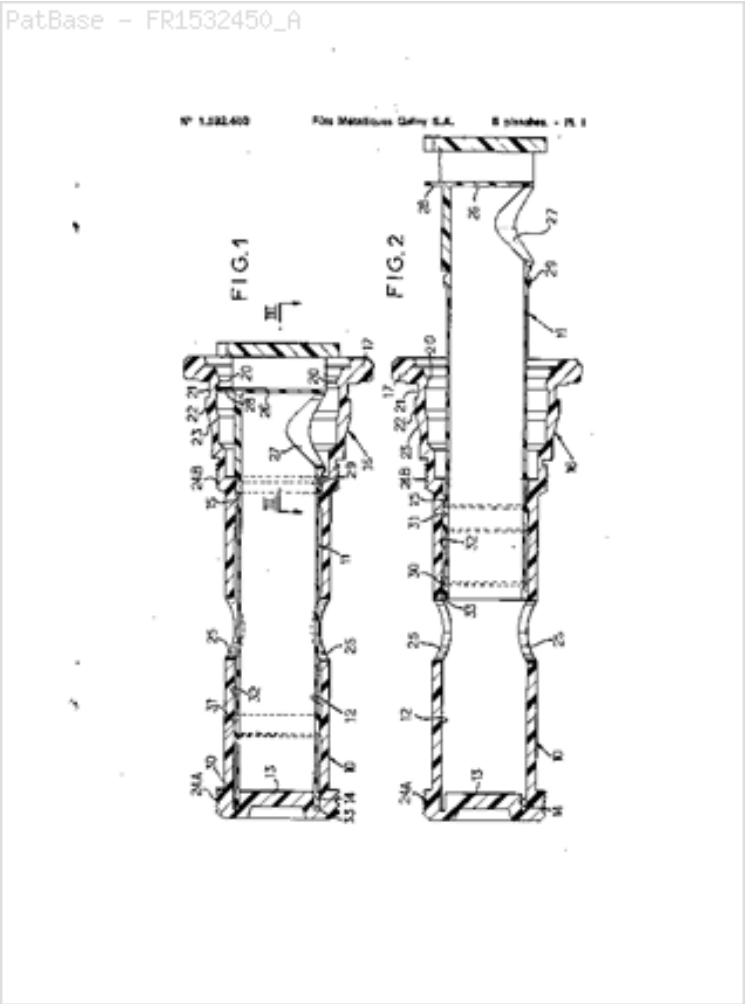
CPC: F16K3/26

European class: F16K3/26

Classification Explorer

Forward Citations: WO07091898, WO07091897, WO07091897, US9212750, US8186440, US8181705, US2014131399, FR2554702, CH681384,

Abstract:
Source: FR1532450A [Source: Claim 1] 1 Robinet destine a –equiper les recipients tels que futs, tonnelets, bidons ou analogues, pour per mettre ou faciliter le soutirage du contenu de ceux– ci, comportant un corps creux, ferme a une extre mite et muni lateralement d'au moins une ouver– ture; et un tiroir tubulaire monte coulissant a etan cheite dans ledit corps creux, entre une position d'at tente ou il obture ladite ouverture et une position de travail ou ii demasque celle–ci. [Source: Claim 1] 1 Mixer –equiper indicated to the containers such as barrels, kegs, cans or the like, for per set or facilitate the extraction of the contents thereof, comprising a hollow body, a farm extre moth and provided laterally with at least one opening; and a tubular slide slidably mounted etan tightness in said hollow body between a position at or attempts it closes said opening and a working position or ii DEMASQUE thereof.



0) GB2090215A – DISPENSING PARTICULATE MATERIAL FOR HOPPERS

69) Family number: 1892610 (GB2090215A) © PatBase

Title: Dispensing Particulate Material for Hoppers

Priority: GB19800040581 19801218

Family:

Publication number	Publication date	Application number	Application date
GB2090215 A1	19820707	GB19800040581	19801218
GB2090215 B2	19850109	GB19800040581	19801218

Probable Assignee: M AND C AGRICULTURAL LTD

Assignee(s):(std)**:** M AND C AGRICULTURAL LTD

International class (IPC 8–9)**:** A01C7/12 A01M9/00 B65G65/48 (Advanced/Invention); A01C7/08 A01M9/00 B65G65/00 (Core/Invention)

International class (IPC 1–7)**:** B65G65/48

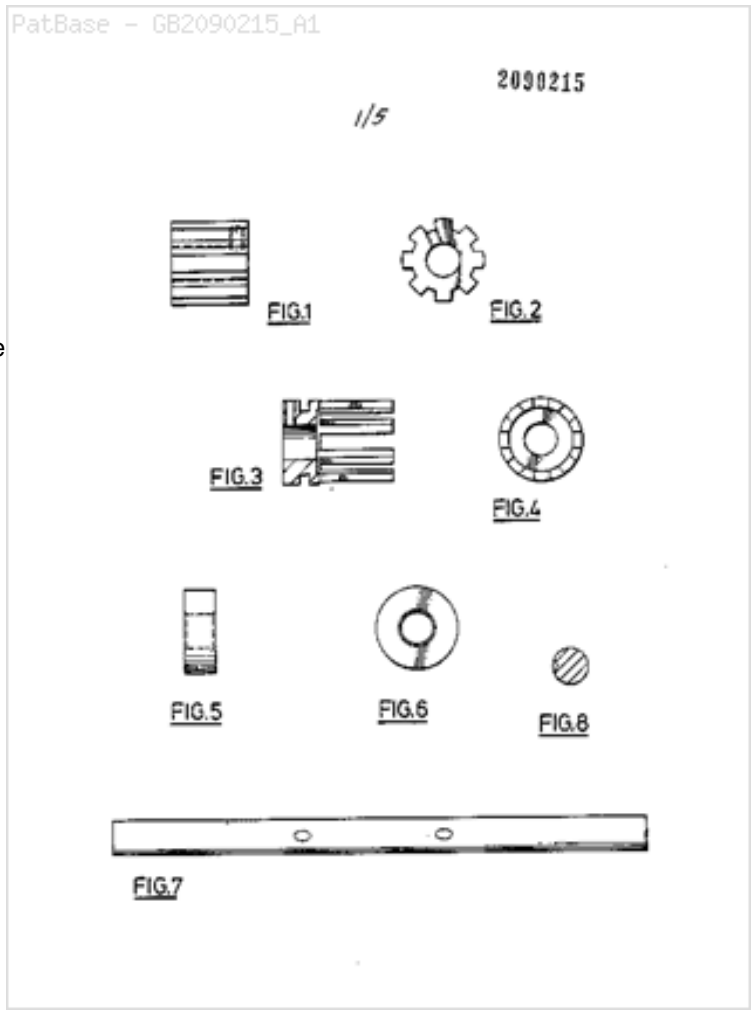
CPC: A01C7/12 A01M9/0069 B65G65/4881

European class: A01C7/12 A01M9/00C2 B65G65/48B

Classification Explorer

Forward Citations: US4536121, GB2138378,

Abstract:
Source: GB2090215A Agricultural dispensing mechanism for dispensing particulate material such as micro–granules of agricultural chemicals comprises a dispensing roller mounted for rotation in a housing between a hopper and an outlet connected to a delivery tube. The dispensing roller comprises a first roller portion, Figs. 1, 2, formed with axially extending recesses, and a second roller portion, Figs. 3, 4, having axially extending fingers adapted to enter the recesses and the roller portions being axially position–adjustable so as to vary the extent to which the fingers enter the recesses and thus adjust the length of the pockets provided in the roller to receive the particulate material and to dispense the same.



0) GB711449A – REINFORCED CONCRETE CONSTRUCTIONS UTILIZING JOI...

70) Family number: 19396722 (GB711449A)

© PatBase

Title: Reinforced concrete constructions utilizing jointed reinforcement under tension

Priority: GB19520019723 19520805

Family:

Publication number	Publication date	Application number	Application date
GB711449 A	19540630	GB19520019723	19520805

Probable Assignee: STRESSTEEL CORP

Assignee(s):(std): STRESSTEEL CORP

Inventor(s):(std): DOBELL CURZON

International class (IPC 8–9): E04C5/12 (Advanced/Invention); E04C5/12 (Core/Invention)

International class (IPC 1–7): E04C5/16

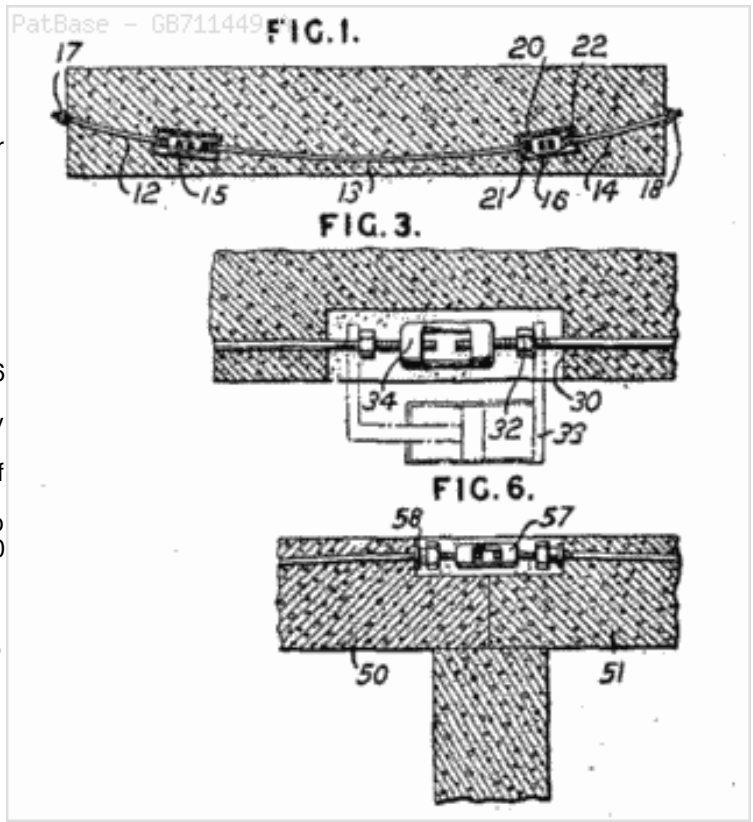
CPC: E04C5/125

European class: E04C5/12C

Classification Explorer

Forward Citations: US4397583, US4368607, US4182092, US3286603, US3156169, US3022713, US2987856, US2971295, ES2286914, DE3808895,

Abstract:
Source: GB711449A 711,449. Reinforced concrete. STRESSTEEL CORPORATION. Aug. 5, 1952, No. 19723/52. Class 20 (4) A concrete object, in one piece, is reinforced by at least one rod comprising at least two shorter rods which are joined end to end by a connector of larger diameter than the rods, bonding of the concrete with the rods and connector being prevented during the casting, and a cavity being left for housing the connector, the composite rod being suitably post–tensioned. As shown in Fig. 1, lengths of rod 12, 13, 14 are arranged in an arcuate patch and are connected by turnbuckles 15, 16 housed in boxes 20 from which the turnbuckles are spaced by springs 21, 22 or by moulded plastic blocks such as of asphalt, tar or rubber, which allow slight axial movement of the turnbuckles under the tensioning force. The rods are coated, e.g. with asphalt or tar, to prevent bonding. The tension, e.g. from 80,000 to 100,000 pounds per square inch, is applied by a hydraulic jack and is held by nuts 17, 18. In beams where the ends are not easily accessible, and in long beams it is desirable to apply the tension to the rods at points intermediate the ends. In this case, Fig. 3, it is necessary to have the boxes 30 open for access, the jack 33 being designed to press nuts 32 on to the rod ends towards one another. The right and left–handed threads on the ends of the rods are interrupted in breech–block fashion, the threads in the turnbuckle 34 being correspondingly interrupted. When the jack is applied, the turnbuckle is turned to permit the rod ends to slide therein, the turnbuckle being turned to engage the threads and hold the tension before the jack is released. The nuts are then screwed against the turnbuckle to lock it, and the cavity is filled with grout or other protective material. Alternatively, the ends of the rods are not screwthreaded, the jack having clamping jaws which grip the rod ends which are joined by a clamp to enable the jack to be released. As shown in Fig. 6, two separately pre–stressed beams 50, 51 are arranged in line to permit the pre–tensioned reinforcements to be connected by a breech–block threaded turnbuckle 57. The nuts 55 are



shaped for engagement by a jack so that the reinforcements may be further tensioned without relieving the original pre−stress in the beams, the increased tension being held by the turnbuckle. Split washers 58 are removed when relieved of the pressure of the nut 55 which may, when the jack is removed, be screwed against the turnbuckle. A pre−stressed beam may have its reinforcement joined to reinforcement projecting horizontally from a vertical structural member, and additional pre−stress applied to the beam in the same manner as is described with reference to Fig. 6.

- **search:** SS6 ft=flow meter and lock* and theft* (Results 12)
- List: SS6 1−50 (ft=flow meter and lock* and theft*) (Results 12)

0) US2005222933A – SYSTEM AND METHOD FOR MONITORING AND CONTROL OF...

1) Family number: 30063835 (US2005222933A) © PatBase

Title: SYSTEM AND METHOD FOR MONITORING AND CONTROL OF WIRELESS MODULES LINKED TO ASSETS

Priority:

EP20030732648 20030521	GB20020011644 20020521	GB20020011644 20020522
US20030515094 20030521	US20040515094 20041119	WO2003GB02171 20030521
US20120609853 20120911	US20130788793 20130307	US20120450756 20120419
US20090479295 20090605	US20060326752 20060106	US20130826145 20130314
US20130797845 20130312	US20140524357 20141027	US20150803539 20150720

Family:

Publication number	Publication date	Application number	Application date
AU2003239678 AA	20031202	AU20030239678	20030521
DE60347064 D1	20150115	DE20036047064	20030521
EP1506667 A1	20050216	EP20030732648	20030521
EP1506667 B1	20141203	EP20030732648	20030521
EP2290939 A1	20110302	EP20100011502	20030521
GB200211644 A0	20020703	GB20020011644	20020521
US2005222933 AA	20051006	US20030515094	20030521
US2006122925 AA	20060608	US20060326752	20060106
US2009247146 AA	20091001	US20090479295	20090605
US2012243686 AA	20120927	US20120450756	20120419
US2013003561 AA	20130103	US20120609853	20120911
US2013183958 AA	20130718	US20130788793	20130307
US2013204980 AA	20130808	US20130826145	20130314
US2013273898 AA	20131017	US20130797845	20130312
US2015044996 AA	20150212	US20140524357	20141027
US2015326436 AA	20151112	US20150803539	20150720
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US7558564 BB	20090707	US20060326752	20060106
US8180336 BB	20120515	US20090479295	20090605
US8457622 BB	20130604	US20120450756	20120419
US8504007 BB	20130806	US20120609853	20120911
US8577358 BB	20131105	US20130788793	20130307
US8577359 BB	20131105	US20130826145	20130314
US8880054 BB	20141104	US20130797845	20130312
US9118701 BB	20150825	US20140524357	20141027
WO03098908 A1	20031127	WO2003GB02171	20030521

Probable Assignee: M2M SOLUTIONS LLC

Assignee(s):(std)**:** M2M SOLUTIONS LLC ; WESBY PHILIP B ; WESBY PHILIP BERNARD

Assignee(s): M2M SOLUTIONS LLC WILMINGTON

Inventor(s):(std)**:** WESBY PHILIP BERNARD ; WESBY PHILIP B

Inventor(s): PHILIP BERNARD WESBY ; WESBY PHILIP

Agent(s): ANWALTSKANZLEI MEISSNER AND MEISSNER; ROBSON AIDAN JOHN; BROMBERG AND SUNSTEIN LLP; SUNSTEIN KANN MURPHY AND TIMBERS 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 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

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International class (IPC 1–7): G06F17/60 H04M11/00 H04M11/04

CPC: H04W4/20 H04W4/00 G06Q40/00 G06Q40/06 H04L12/24 H04L41/00 H04L41/08 H04L67/04 H04W12/08 H04W8/22 H04L41/0816 H04L67/10 H04W8/245 H04L67/125

European class: G06Q40/00 G06Q40/06 H04L12/24 H04L12/24E H04L12/26M H04L29/08N11M H04L29/08N3 H04L41/00 H04L41/08 T04W2/00 T04W204/00 T04W4/00

US class: 1/1 340/514 340/853.1 370/241 380/270 455/406 455/410 455/410S 455/411 455/419 455/419P 455/420 455/423 455/426.1 455/506 455/9 705/35 705/35P 705/36 705/36.00RP 705/36R 709/219 709/221

Classification Explorer

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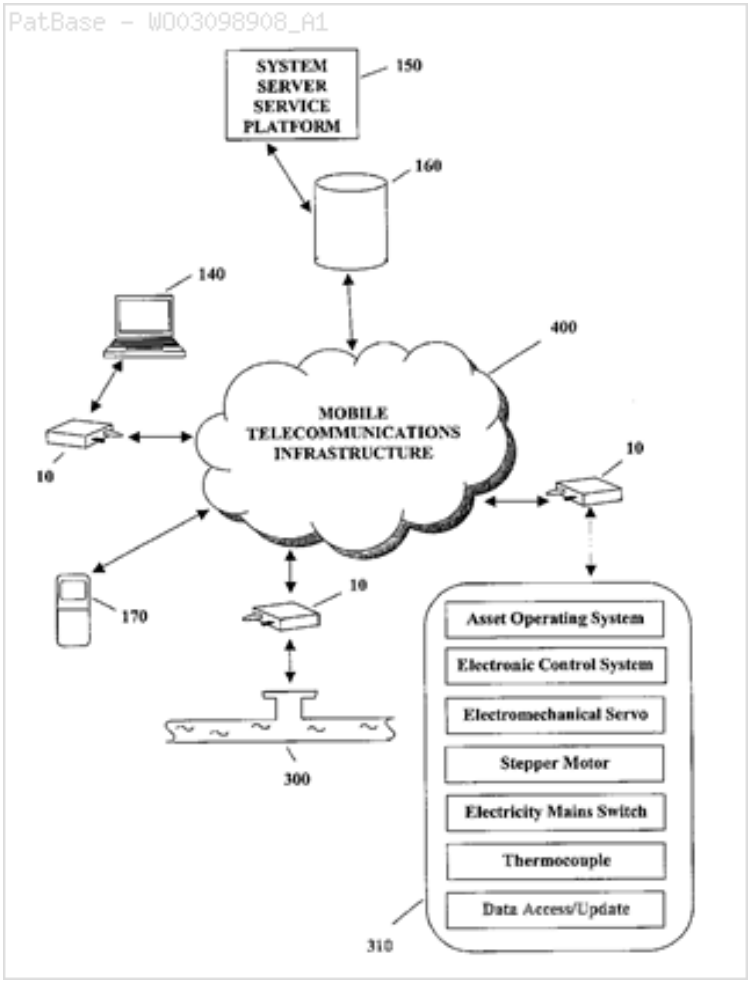
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Abstract:
Source: US2005222933A A system and method for remote asset management is described which can provide the basis for a diverse product group including an improved remote location monitoring system, a means for communicating with and for monitoring the status and or location of a plurality of diverse assets, as well as the means for communicating with said assets for the purpose of modifying the operational status of one or more of said assets according to one or more stored data parameters such as location, use, battery power, and such like. The remote asset management system comprise a wireless module, which is associated with at least one of the plurality of assets and which is interfaced with the operating system of said asset and or with an electromechanical control means, which may control one or more features of the operation of said assets. A supporting network–based, or internet–based service platform controls and manages the status of each of the plurality of assets, either automatically, or in response to received messages from fixed or wireless communication devices, and which is capable of selectively communicating data to said assets for changing the operational status of said assets according to pre–programmed conditions.



0) AU2008264146A – SYSTEM AND METHOD FOR IMPROVED ELECTRIC CARS AN...

2) Family number: 43790834 (AU2008264146A) © PatBase

Title: SYSTEM AND METHOD FOR IMPROVED ELECTRIC CARS AND/OR ELECTRIC CAR BATTERIES AND/OR IMPROVED INFRASTRUCTURES FOR RECHARGING ELECTRIC CARS.

Priority:

GB20070025123 20071224	GB20080002261 20080207	GB20080003766 20080229
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Family:

Publication number	Publication date	Application number	Application date
AU2008264146 AA	20090709	AU20080264146	20081224

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Assignee(s): MAYER YARON MR ; YARON MAYER ; HAIM GADASSI

Inventor(s):(std)**:** GADASSI HAIM ; MAYER YARON

Inventor(s): YARON MAYER ; HAIM GADASSI

Agent(s): MAYER YARON MR

International class(IPC 8–9)**:** B60L9/00 H01M10/44 H02J15/00 H02J3/28 H02J3/46 H02J7/00 (Advanced/Invention); B60L9/00 H01M10/42 H02J15/00 H02J3/28 H02J3/46 H02J7/00 (Core/Invention)

CPC: Y02T10/7005

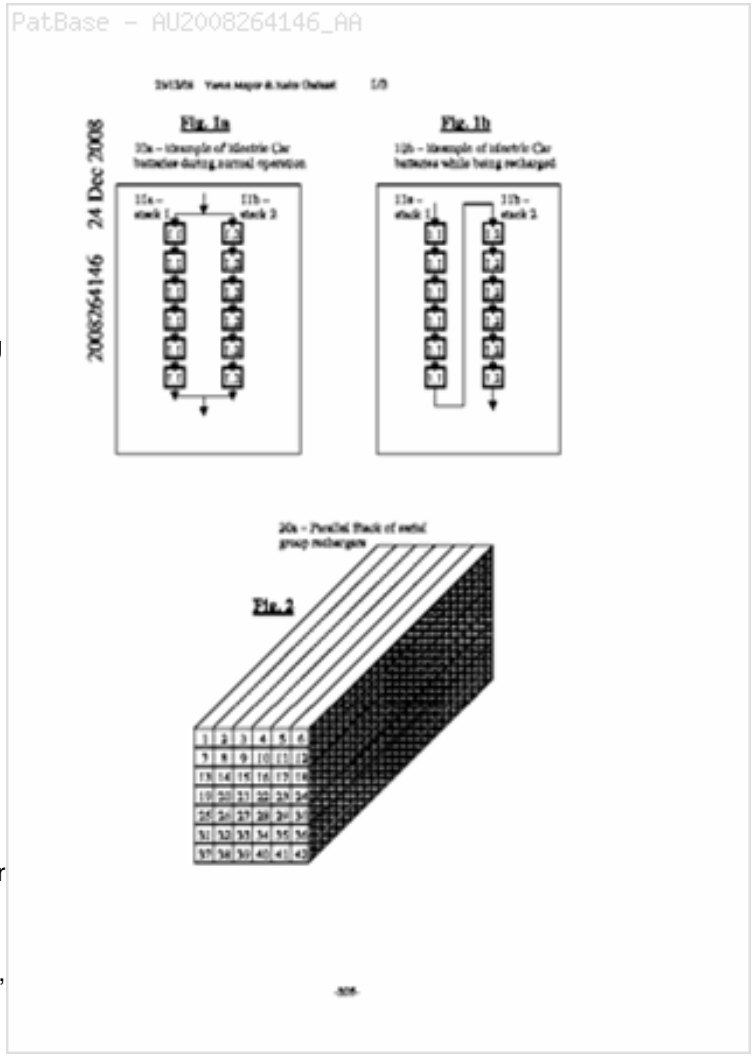
European class: Y02E60/12

Classification Explorer

Forward Citations: US9254787, US9168842, EP2701946, CN102548791, CN102548791,

Abstract:

Source: AU2008264146A 23/12/08 Yaron Mayer and Haim Gadassi 1/1 System and method for improved electric cars and/or electric car batteries and/or improved infrastructures for recharging electric cars. ABSTRACT The present invention enables improved and more efficient recharging of electric cars, preferably by using improved batteries and/or improved recharger arrangements in electric cars and/or in infrastructures that are used for recharging electric cars, and/or other improvements in the infrastructures, while preferably also protecting the electric grid from overload. This is preferably done for example by accumulating energy in service stations for example in special preferably high speed capacitors, such as for example one or more super capacitors, and/or for example one or more molten salt accumulators and/or for example in the new M1 batteries developed by A123 Systems or similar batteries or other fast batteries which can be recharged for example to 80 percent capacity within 5 minutes, or for example the similar fast new batteries by Toshiba or for example the BYD Iron Phosphate batteries or for example the Altair Nanotechnologies Nanosafe battery, so that preferably these accumulators can be used for example to recharge cars with M1 batteries or similar fast−recharge batteries, since otherwise the service station would need to have a huge capacity power supply to enable such fast recharges. Other covered variations include for example efficient methods of recharging the batteries preferably serially, either in the service station (based on a model of fast replacement of batteries at the service station), preferably after automatically sorting the batteries into more or less homogenous groups, or in the car itself for example by automatically rerouting the batteries or some of them or elements in them during recharge so that they are recharged more serially than during the normal operation of the car, thus enabling recharge with less rechargers and/or at higher voltages and with less current and less problems of heat during recharge. Other described improvements include for example a system wherein when recharging the electric cars, for example rechargers and/or for example one or more central computers for example in the electrical grid company and/or in the service provider take into account also car−specific parameters in order to optimize the recharging priorities, for example based on the state of their batteries and/or for example also based on additional parameters and/or heuristics and/or statistics and/or for example automatic repeated identification of cars based for example on a unique preferably digital ID number, so that for example the system can take into account also various regular and/or historical car specific parameters and/or patterns and/or statistics, such as for example typical arrival and departure times, typical distances traveled, specific needs based on week days, etc. Other features include for example a system and method for alerting users when a parking and/or recharging post becomes available and/or reserving them in advance. Other features include for example various improvements in the electric cars themselves. 23/12/08 Yaron Mayer and Haim Gadassi 2/3 Fig. 3 3.1 − Electric Car arrives for recharge service 3.2 − The empty batteries are quickly removed and 4 replaced with recharged batteries 3.3 − The removed empty batteries are quickly examined in order to check if there are batteries which are already at the end of their life or otherwise damaged, and in order to sort them into more or less homogenous groups 3.4 − if the car is not in a battery insurance plan the user has to pay something for the problematic battery or batteries 3.5 − Car leaves 3.6 − The removed empty batteries are automatically sorted into more or less homogenous groups according to various parameters and are moved to the group serial recharger preferably with the help of conveyor belts 3.7 − The empty batteries are recharged preferably at night − preferably serially within each group, and multiple groups are recharged in parallel at the same time 3.8 − When a new set of recharged batteries is requested the system preferably automatically picks up a mix from various groups in order to create a heterogeneous set



0) US3508625A – VEHICULAR SECURITY BRAKE DEVICE

3) Family number: 924036 (US3508625A) © PatBase

Title: VEHICULAR SECURITY BRAKE DEVICE

Priority: US19660559575 19660622 US19680731476 19680523 US19680733539 19680531

Family:

Publication number	Publication date	Application number	Application date
BE731858 A	19691001		19690422
DE1925966 A1	19691204	DE19691925966	19690521
DE1925966 B2	19710318	DE19691925966	19690521
DE1925969 A1	19700226	DE19691925969	19690521
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FR2009219 A1	19700130	FR19690017078	19690523
FR2009704 A1	19700206	FR19690012607	19690422
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GB1267736 A	19720322	GB19690023444	19690508
GB1276012 A	19720601	GB19690027174	19690529
NL161616 B	19790917	NL19690003750	19690311
NL161616 C	19790917	NL19690003750	19690311
NL6903750 A	19691202	NL19690003750	19690311
US3508625 A	19700428		19680523
US3532564 A	19701006	US19680733539	19680531
US3532574 A	19701006	US19660559575	19660622

Probable Assignee: BELL TELEPHONE LABOR INC

Assignee(s):(std)**:** BELL TELEPHONE LABOR INC ; COMPAC CORP ; GEN ALARM CORP ; WESTERN ELECTRIC CO

Assignee(s): WESTERN ELECTRIC CO INC ; WESTERN ELECTRIC CO INC NEW YORK ; BELL TELEPHONE LAB INC ; GENERAL ALARM CORP ; WESTERN ELECTRIC

Inventor(s):(std)**:** GITTLER FRANK L ; GITTLER FRANK LUDWIG ; HAWKINS PAUL MADDISON ; DAVIS IRWIN J ; MADDISON HAWKINS PAUL

Inventor(s): LUDWIG GITTLER FRANK ; FRANK LUDWIG GITTLER ; FRANK L GITTLER ; IRWIN J DAVIS ; PAUL MADDISON HAWKINS

International class (IPC 8–9): B60R25/00 C09J7/02 H01L21/225 H01L23/29 (Advanced/Invention)

International class (IPC 1–7): B01J17/00 B01J17/32 B44C1/16 B60R25/00 B60R25/04 B60R25/08 C01G30/00 H01L21/205 H01L21/22 H01L21/225 H01L7/00 H01L7/36 H01L7/44

CPC: Y10S148/043 Y10S428/914 B60R25/007 C09J7/02 H01L21/2255 H01L23/291 H01L2924/0002 Y10T74/20468 Y10T428/14 Y10T70/5642

European class: B60R25/00G2C C09J7/02 H01L21/225A4D H01L23/29C

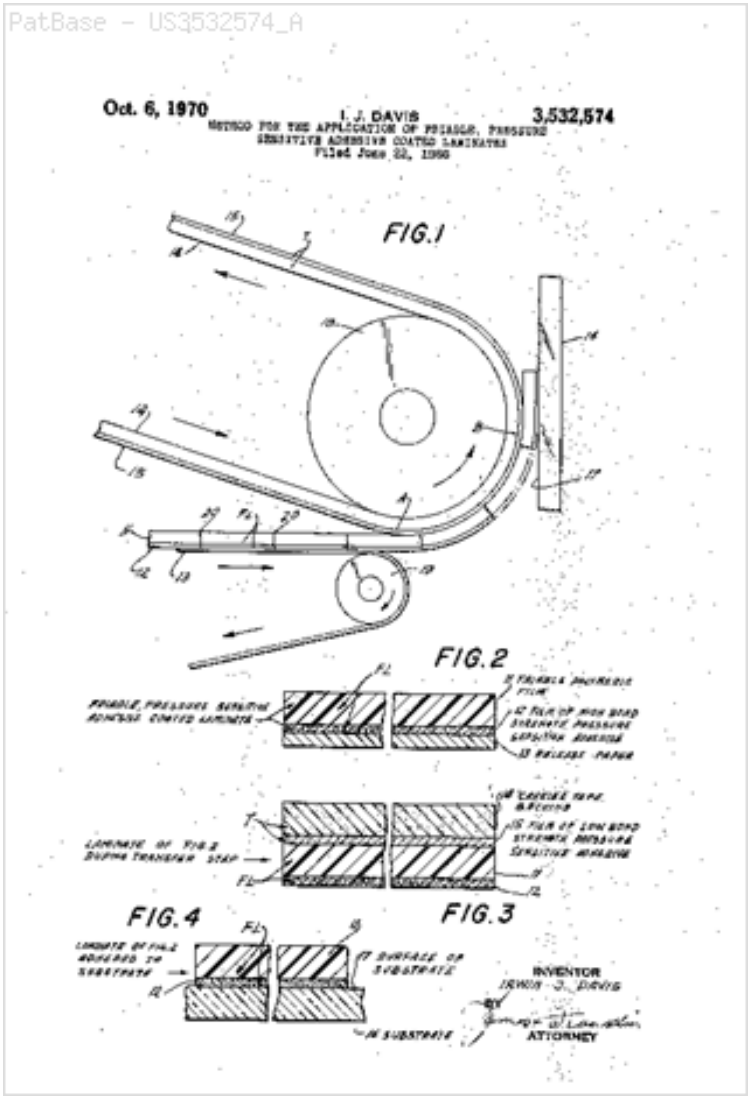
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Classification Explorer

Cited documents: US3454126 A, US3437533 A, US3405021 A, US3380549 A, US3379604 A, US3215570 A, US3119458 A, US3065170 A, US2968378 A, US2826091 A, US2789667 A, US2584938 A, US2567186 A, US2556078 A, US2553753 A, FR864271 A,

Forward Citations: US7249432, US6748774, US6450587, US6322161, US5887722, US5839304, US5611430, US5344680, US5318660, US5026584, US4615192, US4532826, US4373975, US3996089, US3948696, US3948695, US3907616, US3891481, US3886005, US3731272, US2006117631, US2006060023, US2004069025, GB2262075, DE3931179, DE3921507, DE3049333,

Abstract:
Source: US3508625A ABSTRACT OF THE DISCLOSURE Vehicular security device which is automatically activated and deactivated by the operation of the starting or ignition switch of the vehicle without further action on the part of the operator. To this end a vehicular hand brake actuator is provided for movement between brake actuating and brake deactuating positions and vehicular security locking means are provided for locking the actuator in the brake actuating position. In addition circuit means are provided for automatically operating the vehicular security lock means in response to the condition of the starting or ignition switch of the vehicle.



0) US2005262027A – SECURITY SYSTEM AND METHOD FOR DETERRING, PREVE...

4) Family number: 32432279 (US2005262027A) © PatBase

Title: SECURITY SYSTEM AND METHOD FOR DETERRING, PREVENTING, AND/OR TRACKING OF THEFT OF THE USE OF GOODS AND SERVICES, PARTICULARLY FUEL AT RETAIL FUELING STATIONS

Priority: US20040569681P 20040510 US20050125682 20050510 US20060343149 20060130

Family:

Publication number	Publication date	Application number	Application date
US2005262027 AA	20051124	US20050125682	20050510
US2006190129 AA	20060824	US20060343149	20060130
WO05111951 A1	20051124	WO2005US16188	20050510

Probable Assignee: GILBARCO INC

Assignee(s):(std)**:** GILBARCO INC

Inventor(s):(std)**:** SNYDER JOSEPH C ; SNYDER ; HUTCHINSON RAY J ; DANIEL JOSEPH M ; DELINE JONATHAN

Inventor(s): HUTCHINSON RAY ; SNYDER JOSEPH ; DANIEL JOSEPH

Agent(s): WITHROW AND TERRANOVA PLLC

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): A63F13/00 G06F17/00 G06F19/00 G07F13/02 G07F7/00 G07F7/08 G07F7/12 (Advanced/Invention); A63F13/00 G06F17/00 G06F19/00 G07F13/00 (Core/Invention)

International class (IPC 1–7): A63F13/00 G06F17/00 G06F19/00 G07F7/00 G07F7/08

CPC: G07F7/00 G06Q20/401 G06Q20/4033 G07F7/08 G07F7/0833 G07F7/12 G07F13/025

European class: G06Q20/401 G06Q20/4033 G07F13/02B G07F7/00 G07F7/08 G07F7/08A4 G07F7/12

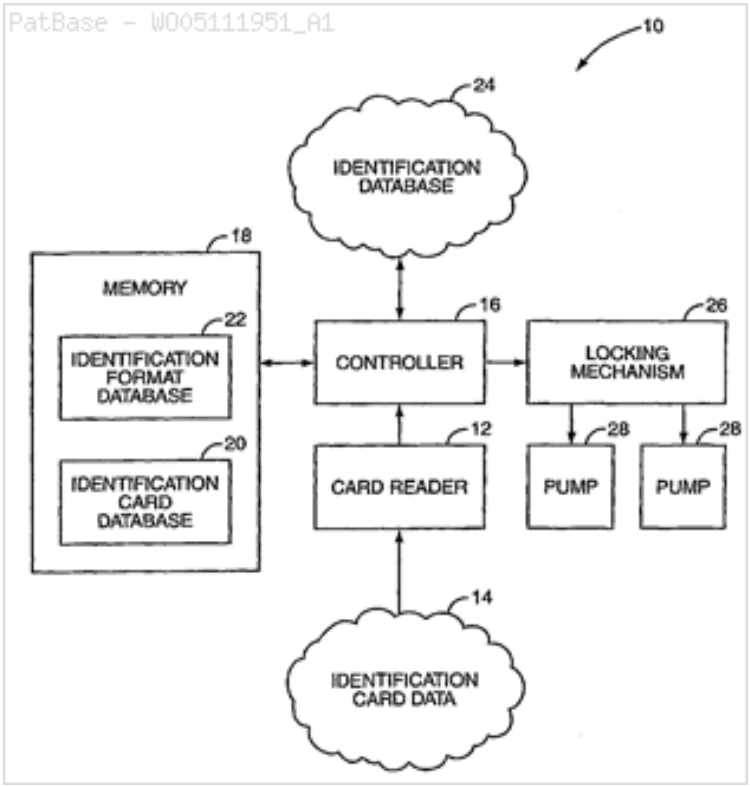
US class: 700/232 700/232P 705/75 705/75P

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Forward Citations: WO16091758, WO13079974, WO08076363, US9580295, US9523597, US9302899, US9147189, US9133012, US8965569, US8768505, US8757010, US8395523, US8285506, US7912577, US2015143123, US2014074282, US2011191037, US2011054678, US2011047081, US2010191674, US2010090855, US2010089485, US2010017040, US2008154427, US2008147539, US2008128453, US2006190129, US2006080254,

Abstract:
Source: US2005262027A A system and method of preventing theft of the use of goods or services, particularly fuel dispensed from a fuel dispenser, comprised of providing a security system including a controller, a card reader that is operable to read data stored within an identification card and to report the identification data to the controller. A locking mechanism adapted to restrict access to the goods or services, wherein the locking mechanism is operable by the controller. The locking mechanism is engaged to restrict access to the goods or services until either payment is made, an identification card entered into the card reader, or both, by a user desiring access to the goods or services. The identification data on the card is verified in format and/or authenticity, and if verified, the locking mechanism is unlocked to allow access to the goods or services, such as fuel dispensed from a fuel dispenser.



0) US2016214570A – COMBINATION FUEL MONITORING AND ANTI–THEFT DEVI...

5) Family number: 62989028 (US2016214570A)

© PatBase

Title: COMBINATION FUEL MONITORING AND ANTI–THEFT DEVICE AND SYSTEM

Priority: US20150108352P 20150127 US20160006197 20160126

Family:

Publication number	Publication date	Application number	Application date
US2016214570 AA	20160728	US20160006197	20160126

Probable Assignee: HRISTOV IGOR

Assignee(s):(std)**:** HRISTOV IGOR ; MAGOCI JURICA

Inventor(s):(std)**:** HRISTOV IGOR ; MAGOCI JURICA

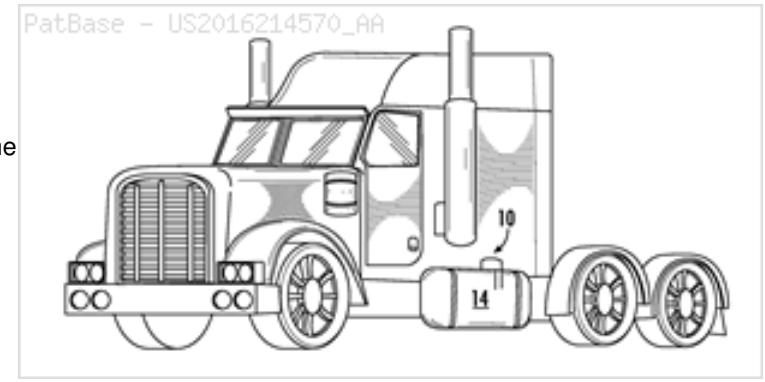
International class (IPC 8–9)**:** B60R25/01 B67D7/32 G07C5/00 G07C5/08 (Advanced/Invention)

CPC: B60R25/01 G07C5/08 G07C5/008

US class: 701/123

Classification Explorer

Abstract:
Source: US2016214570A The present disclosure relates to a combination fuel monitoring and anti–theft device and system for monitoring fuel load and preventing fuel theft. The device and system provide real–time information, relating to fuel load and consumption, which is transmittable to a remote receiver.



0) GB2460500A – ELECTRIC CARS, ELECTRIC CAR BATTERIES, AND INFR...

6) Family number: 43790937 (GB2460500A) © PatBase

Title: ELECTRIC CARS, ELECTRIC CAR BATTERIES, AND INFRASTRUCTURES FOR RECHARGING ELECTRIC CARS

Priority:

GB20070025123 20071224	GB20070025207 20071227	GB20080002261 20080207
GB20080003166 20080221	GB20080003766 20080229	GB20080003765 20080229
GB20080005117 20080319	GB20080011364 20080620	GB20080008733 20080514
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GB20080018133 20081006	GB20080015749 20080829	GB20080019552 20081025
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GB20080016127 20080904	GB20080015376 20080826	GB20080017753 20080929

Family:

Publication number	Publication date	Application number	Application date
GB200823475 A0	20090128	GB20080023475	20081224
GB2460500 A1	20091209	GB20080023475	20081224

Probable Assignee: GADASSI HAIM

Assignee(s):(std)**:** GADASSI HAIM ; MAYER YARON

Assignee(s): YARON MAYER ; HAIM GADASSI

Inventor(s):(std)**:** GADASSI HAIM ; MAYER YARON

Inventor(s): YARON MAYER ; HAIM GADASSI

International class(IPC 8–9)**:** B60L11/18 H02J7/04 (Advanced/Invention); B60L11/18 H02J7/04 (Core/Invention)

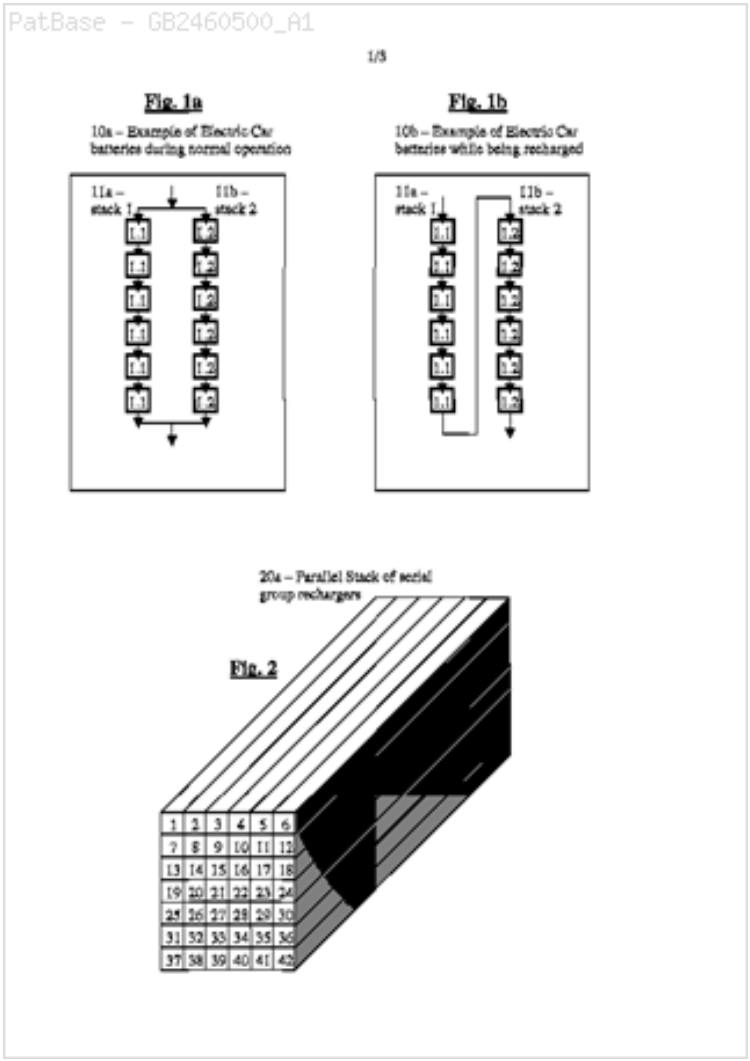
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European class: B60L11/18 B60L11/18L4A B60L11/18L6 B60L11/18L7A B60L11/18L7J10 B60L11/18L7J12 B60L11/18L7J2 B60L11/18L7J4 B60L11/18L7J6 B60L11/18L7J8 B60L11/18M34D B60L11/18M34F H02J7/04 L60L270/34 Y02E60/72B Y02T10/70B Y02T10/70H4 Y02T10/70J Y02T90/12B Y02T90/12F Y02T90/12L Y02T90/14 Y02T90/16F4 Y04S10/12D Y04S30/14

Classification Explorer

Forward Citations: WO14177608, WO13051034, WO13051034, WO12171760, WO12138673, WO12138673, WO12069153, WO12069153, WO12047328, WO12038225, WO12038225, WO12011436, WO11107640, US9566868, US9348381, US9253024, US9216653, US9007020, US8981718, US8963481, US2012303259, FR2974768, EP2481627, EP2402205, DE202012105091, DE102011120233,

Abstract:
Source: GB2460500A The invention enables improved and more efficient recharging of electric cars, by using improved batteries, improved recharger arrangements in electric cars, and infrastructures that are used for recharging electric cars, while also protecting the electric grid from overload. This is done for example by accumulating energy in service stations in special high speed capacitors, such as one or more super capacitors, or one or more molten salt accumulators, or other fast batteries which can be recharged to 80 percent capacity within 5 minutes. These accumulators can be used to recharge cars, since otherwise the service station would need to have a huge capacity power supply to enable such fast recharges. Other variations include efficient methods of recharging the batteries serially, either in the service station (based on a model of fast replacement of batteries at the service station), after automatically sorting the batteries into more or less homogenous groups, or in the car itself by automatically rerouting the batteries, or some of them, or elements in them, during recharge so that they are recharged more serially than during the normal operation of the car. This enables recharge with fewer rechargers at higher voltages and with less current and fewer problems of heat during recharge. Other improvements include a system wherein when recharging the electric cars, rechargers and central computers in the electrical grid company and in the service provider take into account car–specific parameters in order to optimize the recharging priorities, for example based on the state of their batteries and heuristics or statistics or automatic repeated identification of cars based on a unique digital ID number. The system can take into account also various regular or historical car–specific parameters or patterns or statistics, such as typical arrival and departure times, typical distances traveled, specific needs based on week days, etc. Other features include a system and method for alerting users when a parking and recharging post becomes available or reserving them in advance.



0) US2014077490A – METER LOCK AND EXTENDER SYSTEM AND METHOD USE

7) Family number: 56020003 (US2014077490A)

© PatBase

Title: METER LOCK AND EXTENDER SYSTEM AND METHOD USE

Priority: US20120702409P 20120918 US20130775074P 20130308 US20130028235 20130916

Family:

Publication number	Publication date	Application number	Application date
US2014077490 AA	20140320	US20130028235	20130916

Probable Assignee: DANIELS RON R

Assignee(s):(std)**:** DANIELS RON R

Inventor(s):(std)**:** DANIELS RON R

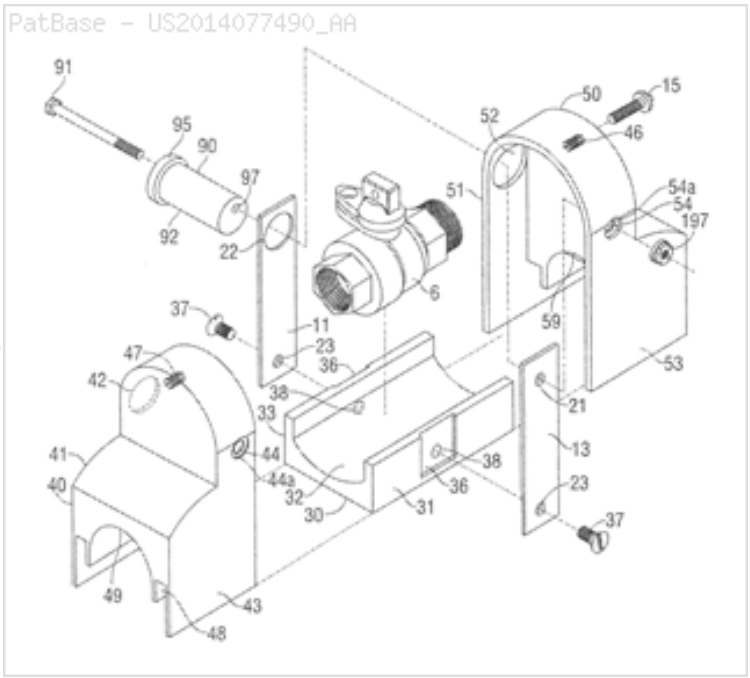
International class (IPC 8–9)**:** F16L19/00 (Advanced/Invention)

CPC: F16L19/005 E05B65/0089 F16K35/06 G01F15/007 G01F15/14 G01F15/18

US class: 285/80

Classification Explorer

Abstract:
Source: US2014077490A In various embodiments, the present invention describes a system that attaches to an existing pipeline, pipe, valve or meter in order to prevent unwanted theft and tampering with fluids and gasses flowing through the pipeline, pipe, valve or meter. In one embodiment of the present invention, the inventive device has two locking halves that mechanically and releasably interact with each other and cover the metering device prior to being locked. In one embodiment of the present invention one housing frame connect with a rectangular base underneath the invention thereby allowing it to lock the meter. In one embodiment of the present invention the electronic signal devices are elevated from the meter thereby preventing accidental dislodging and tampering.



8) Family number: 15394421 (US2004039504A) © PatBase

Title: VEHICLE TRACKING, COMMUNICATION AND FLEET MANAGEMENT SYSTEM

Priority:

EP20000993539 20001218 US19990455169 19991206 US20050303676 20051215
US20050125636 20050510 US20030646715 20030825 US19990466169 19991219
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WO2011US41590 20110623

Family:

Publication number	Publication date	Application number	Application date
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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): B28C5/42 B60P3/03 B60P3/16 G01B11/03 G01B11/14 G01B11/24 G01C1/00 G01C11/06 G01C15/00 G01C15/06 G01C21/00 G01C21/26 G01C9/00 G01C9/06 G01M17/00 G01P3/487 G01S1/00 G01S1/72 G01S13/00 G01S19/40 G01S19/42 G01S19/45 G01S19/48 G01S19/49 G01S19/51 G01S19/53 G01S5/14 G06F15/00 G06K9/00 G06K9/32 G06K9/46 G06K9/62 G06T7/00 G06T7/20 G07C5/00 G07C5/08 G08G1/123 G08G1/127 H04L12/56 H04N13/02 H04N5/225 H04N5/228 H04N5/232 H04N7/18 H04W16/14 H04W28/22 H04W56/00 H04W64/00 H04W72/04 H04W74/04 H04W8/24 H04W84/00 (Advanced/Invention);
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B60P G01C G01P G07C G08G (Subclass/Invention)

International class (IPC 1–7): G01S G06F165/00 G06F17/00 G06F19/00 G08G1/123 H04B7/155 H04B7/26 H04Q7/38

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US class: 1/1 180/209 280/6.151 280/61.51 340/438 340/439 340/988 340/993 342/357.02 342/357.17 342/357.23 342/357.230S 342/357.28 342/357.280P 342/357.31 342/357.32 342/357.320P 342/357.34 342/357.340S 342/52 345/569 345/629 348/100 348/130 348/135 348/135S 348/137 348/139 348/139P 348/144 348/169 348/207 348/207.1 348/217.1 348/231 348/231.1 348/46 348/584 348/E7.085 348/E70.85S 366/349 366/61 382/100 382/103 382/103P 382/113 382/195 382/195 382/233 382/294 455/12.1 455/518 455/521 455/526 701/200 701/207 701/213 701/217 701/27 701/29 701/29.3 701/29.300P 701/29S 701/300 701/300S 701/31.4 701/31.400P 701/32.3 701/33 701/33P 701/33S 701/35 701/35P 701/408 701/408P 701/482 701/482P 701/484 701/495 701/517 702/150

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Forward Citations: WO17003680, WO16141411, WO16123303, WO16115118, WO16032901, WO15187993, WO15169338, WO15165071, WO15134434, WO15101991, WO15081465, WO15073548, WO14197497, WO14138950, WO14091361, WO14062118, WO14047593, WO13134620, WO12114194, WO12024393, WO11109018, WO11069267, WO11046637, WO11028649, WO11028649, WO11019872, WO11019872, WO11005602, WO10114871, WO10114871,

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Abstract:
Source: US2004039504A A vehicle fleet management information system for identification of location and direction of movement of each vehicle in the fleet in real−time and automatic communication directly with management offices to report its location and heading, and status of predetermined events in which the vehicle may be engaged. Each fleet vehicle is assigned a unique time slot to transmit its reporting information over a communications network without substantially interfering with transmissions from other vehicles in their own respective time slots. Precise time synchronization is provided by a timing control PLL which provides timing corrections as necessary from GPS based time reference. The network includes a dual band full−duplex interface with TDMA on one−half of the interface and broadcast on the other half. Additionally, time processing units of microprocessors in components throughout the network perform precise clock synchronization. A protocol is established for entry by vehicle transmitters into the network in the assigned time slots for periodic transmission of messages, and space diversity is performed on messages received from the vehicle transmitters to avoid data corruption. Different periodic transmission intervals are provided for different vehicles in the network by dynamically allocating the slots for various update rates. And auxiliary reporting slots are provided to allow prompt reporting of important data by the respective vehicle transmitters independent of slower periodic transmission intervals. Baseband filtering of data reduces the occupied bandwidth of the transmission channel, and includes removal of synchronization data to minimize overhead of non−information bearing data. Certain repeated events in which the vehicle is operated according to basic usage and specific usage for its industry are sensed, detected or measured and automatically reported to management offices.

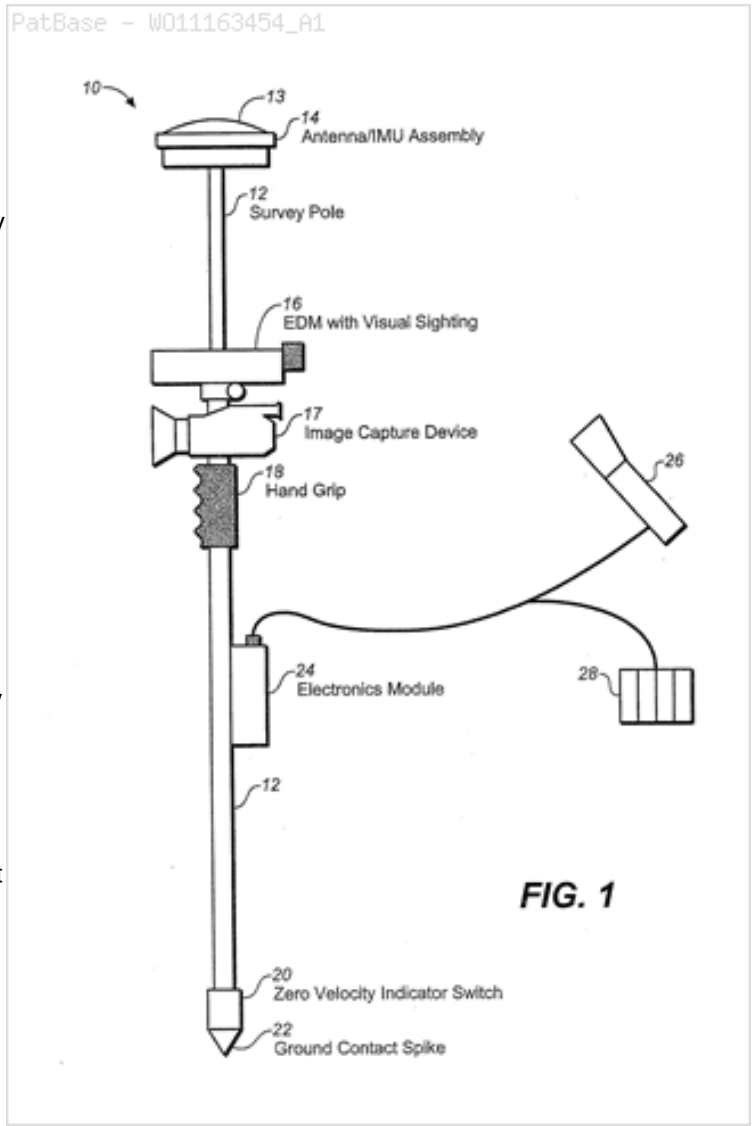


FIG. 1

0) DE3424501C1 – BYPASS ARRANGEMENT FOR A VOLUMETER

9) Family number: 3708547 (DE3424501C1)

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Title:	Bypass arrangement for a volumeter
Priority:	DE19843424501 19840704

Family:

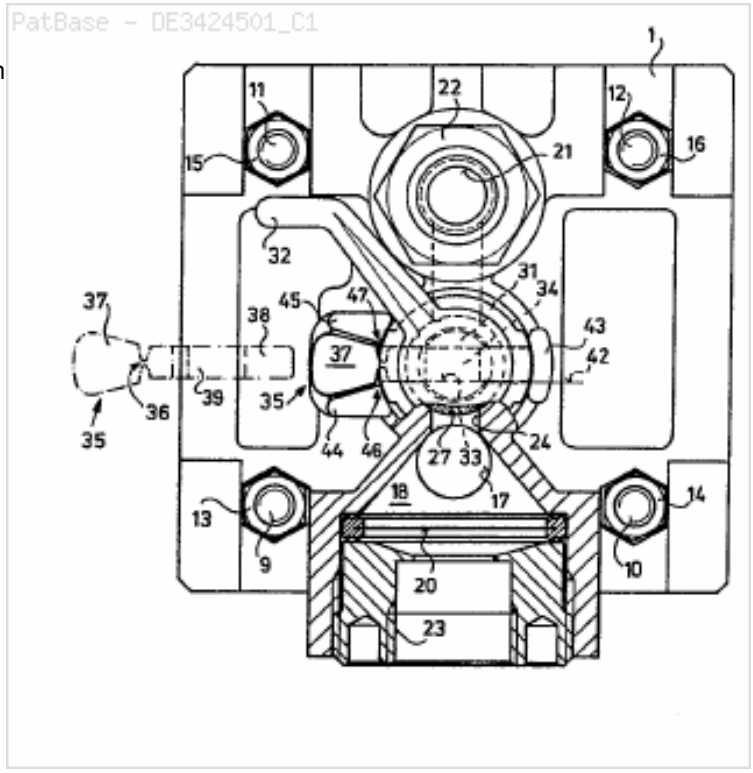
Publication number	Publication date	Application number	Application date
DE3424501 C1	19850829	DE19843424501	19840704

Probable Assignee:	KIENZLE APPARATE GMBH
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Inventor(s):(std):	HAUTVAST HEINZ JOSEF ; KELCH HEINZ
Inventor(s):	KELCH HEINZ 7744 KOENIGSFELD DE ; HAUTVAST HEINZ JOSEF 7734 BRIGACHTAL DE
International class (IPC 8–9):	G01F15/00 G01F15/18 (Advanced/Invention); G01F15/00 (Core/Invention)
International class (IPC 1–7):	G01F15/14 G09F3/03
CPC:	G01F15/007 G01F15/185
European class:	G01F15/00K G01F15/18B

Classification Explorer

Forward Citations: WO04021315, EP1388835, DE29610827,

Abstract:
Source: DE3424501C1 It is proposed to arrange a preferably cylindrical tap cock (27) in a channel body (1) transversely to the bypass channel (24) of a volumeter, to fasten an actuating lever on the shank (31) of which tap cock (27) and to provide an essentially rod–like seal (35) which is divided into two sections (37 and 38) by a predetermined breaking point (36), and one section (38) of which penetrates at least the shank (31) of the tap cock (27), while the other section (37) is mounted between jaws (44 and 45) formed on the channel body (1).



10) Family number: 50068173 (IN03486CH2011A)

© PatBase

Title: METHOD AND APPARATUS FOR MEASURING FUEL TO PREVENT FUEL FRAUD AND THEFT

Family:

Publication number	Publication date	Application number	Application date
IN03486CH2011 A	20111202	IN2011CH03486	20111010

Probable Assignee: DR JOSEPH JABIN

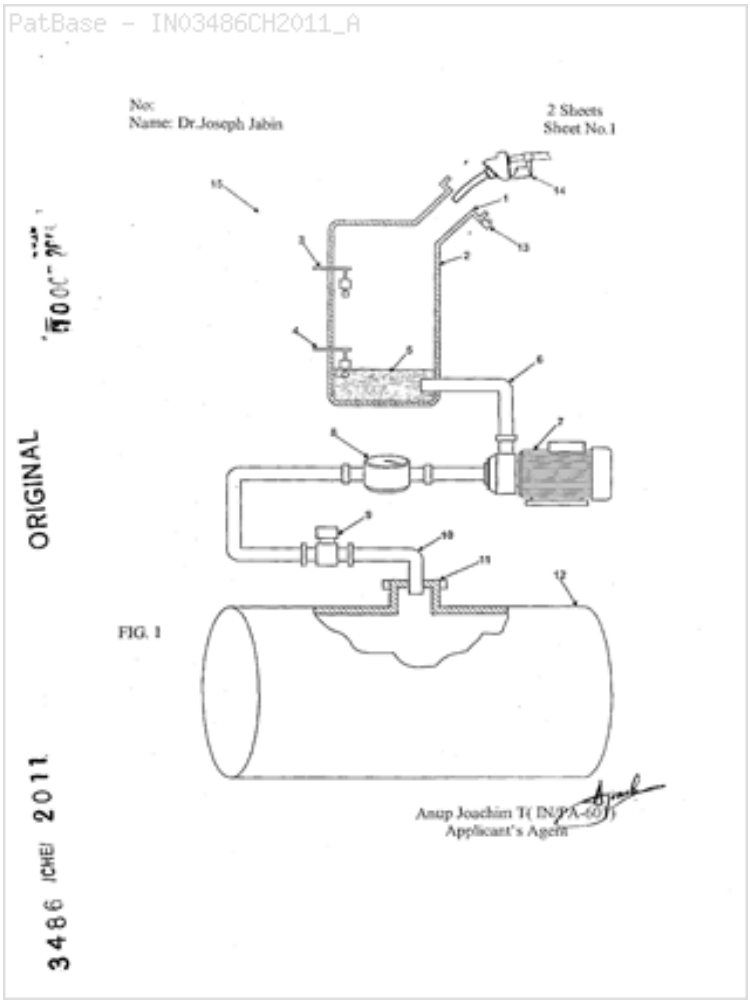
Assignee(s): DR JOSEPH JABIN

Inventor(s): DR JOSEPH JABIN

International class (IPC 8–9): B60R25/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN03486CH2011A An apparatus which is provided with an auxiliary fuel collector tank fitted via feed pipes to acentrifugal pump which draws the fuel at regular intervals and passes it through a fluid flow meter to measures and register automotive fuel in order to check and prevent furl fraud and theft.



0) DE2719209A1 – VORRICHTUNG ZUR BEGRENZUNG DES KRAFTSTOFFVERBRA...

11) Family number: 1648807 (DE2719209A1) © PatBase

Title: VORRICHTUNG ZUR BEGRENZUNG DES KRAFTSTOFFVERBRAUCHS BEI EINEM KRAFTFAHRZEUG VEHICLE FUEL ECONOMY SYSTEM – HAS AIR AND FUEL RESTRICTORS ADJUSTED BY PROGRAMMED STEP MOTORS WHICH RECEIVE SIGNALS FROM PULSE TRANSMITTERS

Priority: DE19772719209 19770429

Family:

Publication number	Publication date	Application number	Application date
DE2719209 A1	19781109	DE19772719209	19770429

Probable Assignee: ZANKL GUENTHER

Assignee(s):(std)**:** ZANKL GUENTHER

Inventor(s):(std)**:** KOHL ROLAND ; ZANKL GUENTHER

International class (IPC 8–9)**:** B60K26/00 G01F9/00 (Advanced/Invention); F02B3/06 (Advanced/Non–invention); B60K26/00 G01F9/00 (Core/Invention); F02B3/00 (Core/Non–invention)

International class (IPC 1–7)**:** B60K26/00

CPC: B60K26/00 F02B3/06 G01F9/001

European class: B60K26/00 G01F9/00A R02B3/06

Classification Explorer

Forward Citations: EP0081630, DE3138371, DE19616620, AP487,

Abstract:
Source: DE2719209A1 Vorrichtung zur Begrenzung des Kraftstoffverbrauchs bei einem Kraftfahrzeug, gekennzeichnet durch einen Eingabeteil (10) fuer den Sollwert des kilometerbezogenen Kraftstoffver brauchs, einen mit dem Eingabeteil (10) verbundenen und von diesem setzbaren Sollwert−Speicher (9), eine im Kraftstoff weg angeordnete Xraftstoffdurchflussdrossel (2) und eine im Luftaisaugweg angeordnete Luftansaugdrossel (3), die beide entsprechend dem im Sollwert−Speicher (9) eingespeicherten Sollwert einstellbar sind. The air intake and fuel feed line are both provided with restrictors varied by individual step motors. The respective step motors receive their impulses from an impulse transmitter giving positive or negative impulses, to open or close the valves. The desired fuel mileage ration consumption can be fed to a storage unit. A set back switch is provided to cancel the storage information and open both restrictor valves. The set back switch must be actuated before a new fuel mileage ratio is selected.

PatBase - DE2719209_A1

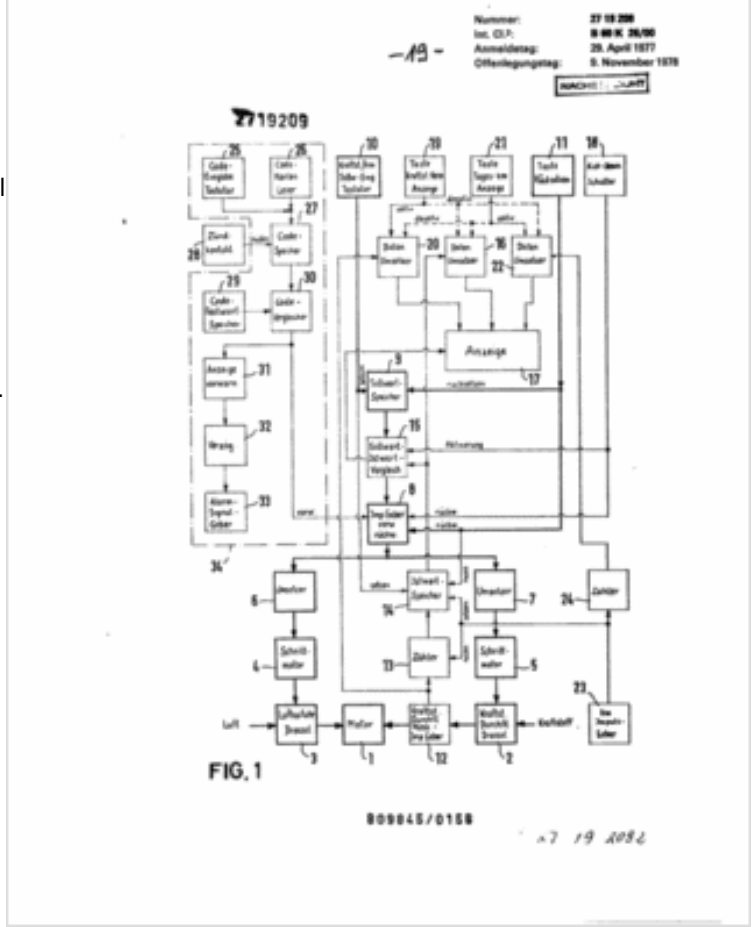


FIG. 1

0) CN2442253Y – INTEGRATED THERMAL FLOWMETER

12) Family number: 17062607 (CN2442253Y) © PatBase

Title: Integrated thermal flowmeter

Priority: CN20002051309U 20000904

Family:

Publication number	Publication date	Application number	Application date
CN2442253 Y	20010808	CN20002051309U	20000904

Probable Assignee: LI YUJIE

Assignee(s):(std)**:** LI YUJIE

Inventor(s):(std)**:** LI YUJIE ; YUJIE LI

International class (IPC 8–9)**:** G01K17/16 (Advanced/Invention); G01K17/00 (Core/Invention)

International class (IPC 1–7)**:** G01K17/16

Classification Explorer

Abstract:
Source: CN2442253Y The utility model relates to an integrated thermal flow meter, which is composed of an influent water temperature sensor arranged in a meter shell, a central processor, a return water temperature sensor, a liquid crystal display, a flow transmitting device, a data communication interface, a micro switch, etc. The influent water temperature sensor and the return water temperature sensor transfer heat information to the central processor; a dry spring tube arranged on the flow transmitting device transfers flow information to the central processor; the heat information and the flow information are displayed by a liquid crystal display after processed by the central processor. Locks arranged in a meter shell lock valves in the meter shell and a water return pipeline. A micro switch arranged in the meter shell transfers the opened or closed information of the meter shell to the central processor. The utility model is an integrated thermal flow meter with compact structure and theft protection function.

- **search:** SS7 ft=(flow meter or water meter) and lock* and hinge (Results 81)
- List: SS7 1–50 (ft=(flow meter or water meter) and lock* and hinge) (Results 81)

0) US2004069496A – WELLBORE ISOLATION APPARATUS, AND METHOD FOR TR...

1) Family number: 30898896 (US2004069496A) © PatBase

Title: WELLBORE ISOLATION APPARATUS, AND METHOD FOR TRIPPING PIPE DURING UNDERBALANCED DRILLING

Priority:

CA20032448419 20031105	CA20042473511 20040709	CA20042634650 20040924
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Family:

Publication number	Publication date	Application number	Application date
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US7997340 BB	20110816	US20090631541	20091204

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

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Inventor(s):(std)**:** ALLEN JACK ; BANSAL RAM KUMAR ; BANSAL RAMKUMAR K ; BANSAL R K ; BOSTICK F X ; BOSTICK F X III ; BOSTICK III F X ; BOSTICK III FRANCIS X ; BOSTICK III FRANCIS XAVIER ; BRUNNERT DAVID ; BRUNNERT DAVID J ; FULLER TOM ; GRAYSON BRIAN ; GRAYSON MICHAEL B ; GRAYSON MICHAEL BRIAN ; HAUGEN DAVID ; HOSIE DAVID ; HOSIE DAVID G ; HOSIE DAVID GRAHAM ; JOHNSON DARRELL ; LE TUONG T ; LE TUONG THANH ; LLL F BOSTICK ; LYNCH MICHAEL J ; LUKE MIKE A ; NERO KENNETH M ; PAVEL DAVID ; NOSKE JOE ; ROZEK KENNETH E ; ROZEK KENNETH EDMUND ; THANH LE TUONG ; YOUNG ALLEN R ; BOSTICK LLL F ; BOSTICK FX ; BANSAL RK ; BANSAL RAM K

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Agent(s): DEETH WILLIAMS WALL LLP; MOSER PATTERSON AND SHERIDAN LLP; WILLIAM B PATTERSON MOSER PATTERSON AND SHERIDAN LLP; PATTERSON AND SHERIDAN LLP

International class (IPC 8–9): E21B17/00 E21B17/06 E21B17/07 E21B21/08 E21B21/10 E21B23/00 E21B23/01 E21B23/04 E21B23/06 E21B29/06 E21B33/04 E21B33/068 E21B33/10 E21B33/127 E21B33/1295 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B34/16 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/022 E21B47/024 E21B47/06 E21B47/09 E21B47/10 E21B47/12 E21B47/13 E21B47/14 E21B49/08 E21B7/04 E21B7/06 E21B7/20 G01F1/00 G01F1/74 G01V1/18 G01V1/40 G01V1/52 G01V8/02 G09F3/20 H01Q1/04 (Advanced/Invention); E21B21/00 E21B34/00 E21B40/00 E21B43/00 (Advanced/Non–invention); E21B17/02 E21B21/00 E21B23/00 E21B29/00 E21B33/03 E21B33/10 E21B33/12 E21B34/00 E21B41/00 E21B47/00 E21B47/10 E21B47/12 E21B7/04 E21B7/20 (Core/Invention); E21B21/00 (Core/Non–invention)

International class (IPC 1–7): B21D17/04 E21B E21B21/08 E21B21/10 E21B33/038 E21B33/04 E21B33/068 E21B33/10 E21B33/12 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/06 E21B47/12 E21B49/00 G01F1/66

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Classification Explorer

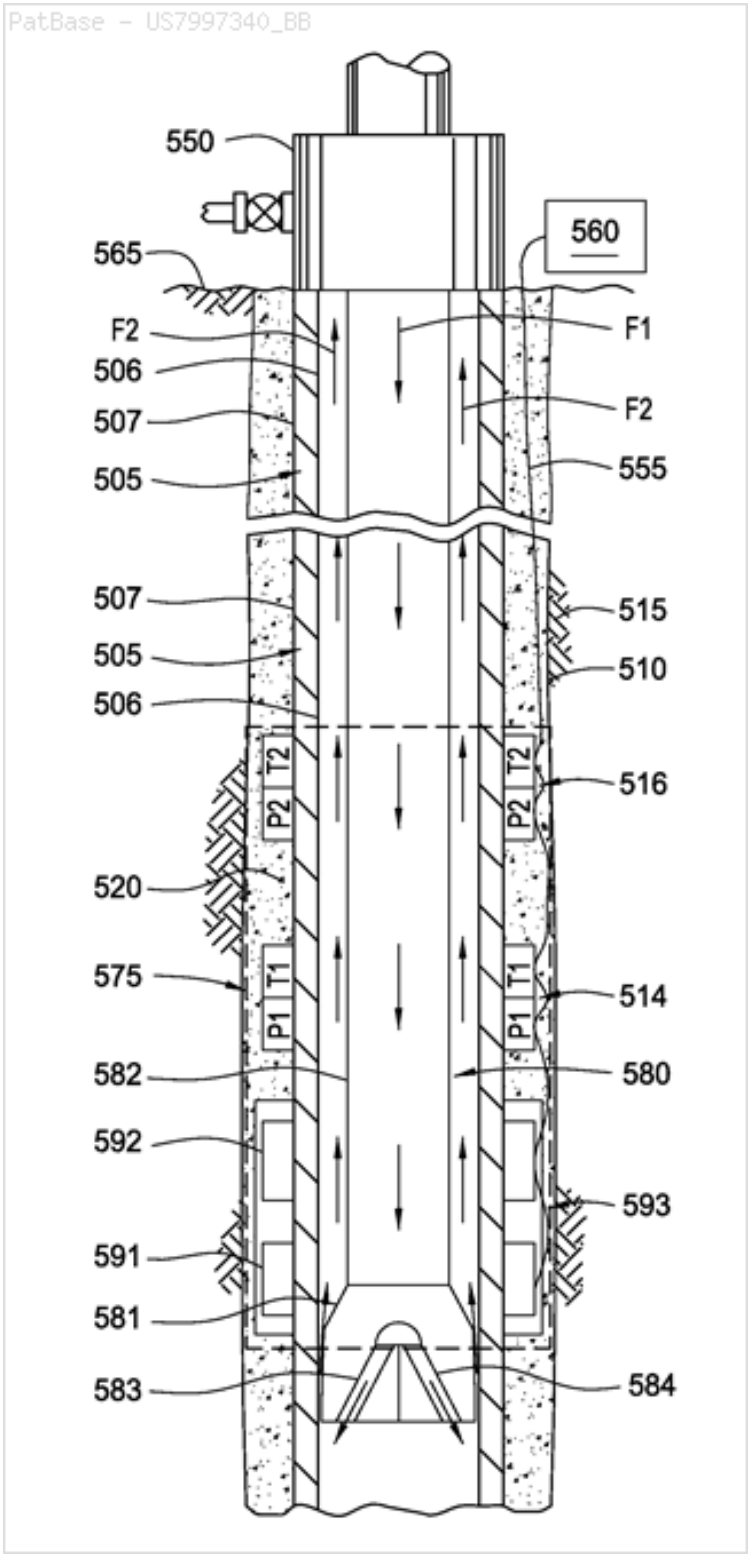
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Abstract:
Source: US2004069496A The present invention relates to an apparatus and method for isolating a wellbore condition such as formation pressure during a wellbore operation. The invention has particular application in connection with underbalanced drilling. In one arrangement, a formation isolation apparatus is provided that serves as a selectively actuatable plug. The plug in one aspect is selectively set and released by a setting/releasing tool. The setting/releasing tool includes a system for setting the plug in the wellbore, and a system for releasing the plug from the wellbore. The setting/releasing tool is releasably connected to the plug. Thus, after the plug has been set, the setting/releasing tool may be removed from the wellbore. The plug includes a flapper valve that is restrained in its open position by the setting/releasing tool. Removal of the setting/releasing tool from the wellbore allows the flapper valve to close, thereby isolating pressures in the wellbore below the flapper valve. The plug is wireline retrievable. In another aspect, a formation isolation apparatus is provided for use during sidetrack drilling operations. The sealing element is movable from a first released position below the lateral wellbore, to a set position above the lateral wellbore.



0) US2013139610A – ULTRASONIC FLOW METER HOUSING FORMED BY A MONOL...

2) Family number: 47945024 (US2013139610A) © PatBase

Title: ULTRASONIC FLOW METER HOUSING FORMED BY A MONOLITHIC POLYMER STRUCTURE

Priority: CN201080061432 20101215 EP20090164572 20090703 EP20090179317 20091215 EP20100156663 20100316 WO2010DK50339 20101215 EP20100800690 20101215

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: KAMSTRUP AS

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Assignee(s): KAMSTRUP A S

Inventor(s):(std)**:** LAURSEN PETER SCHMIDT ; NIELSEN SOEREN TOENNES ; NIELSEN SOREN TONNES ; SCHMIDT LAURSEN PETER ; SKALLEBAEK ANDERS ; SOERENSEN JENS LYKKE ; TOENNES NIELSEN SOEREN

Agent(s): PLOUGMANN AND VINGTOFT A S; PLOUGMANN VINGTOFT A S; 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 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)**:** G01F1/58 G01F1/66 G01F1/708 G01F15/14 (Advanced/Invention)

CPC: G01F1/667 G01F1/662 G01F1/7082 G01F15/14

European class: G01F1/66B G01F1/66F G01F1/708A G01F15/14

US class: 73/861.18

Classification Explorer

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Forward Citations: WO16005164, WO15081958, WO15049122, WO14195118, US9335192, KR101357619, EP3139138, EP2966427, EP2725327, EP2693171, EP2682719, EP2594907, EP2423648, DE102015217024, DE102014019424, DE102014019424, DE102013219907,

Abstract:
Source: US2013139610A The invention relates to an ultrasonic flow meter housing and to an ultrasonic flow meter comprising a housing. The housing is a monolithic polymer structure being cast in one piece. The monolithic structure includes a straight flow tube and a cavity separated from the flow tube, where a shared wall part forms part of the wall of the flow tube and of an inside surface of the cavity. The cavity is arranged for housing at least one ultrasonic transducer at the shared wall part, and a measurement circuit operationally connected to the at least one ultrasonic transducer. In an embodiment, the cavity only has a single opening which can be sealed off by a cover.

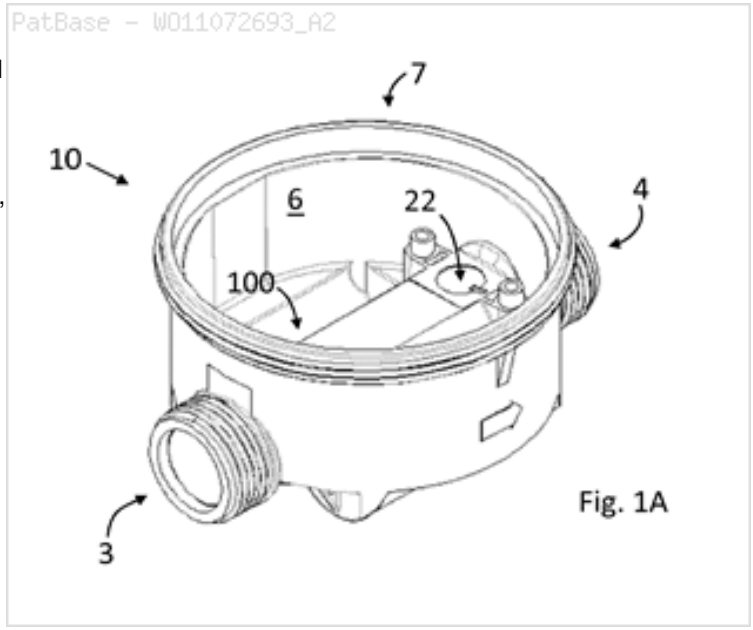


Fig. 1A

0) US5591344A – HOT WATER DISINFECTION OF DIALYSIS MACHINES, IN...

3) Family number: 24193617 (US5591344A) © PatBase

Title: HOT WATER DISINFECTION OF DIALYSIS MACHINES, INCLUDING THE EXTRACORPOREAL CIRCUIT THEREOF

Priority:

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Family:

Publication number	Publication date	Application number	Application date
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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 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 SN SZ TD TG TJ TM TR TT UA UG US UZ VN ZW

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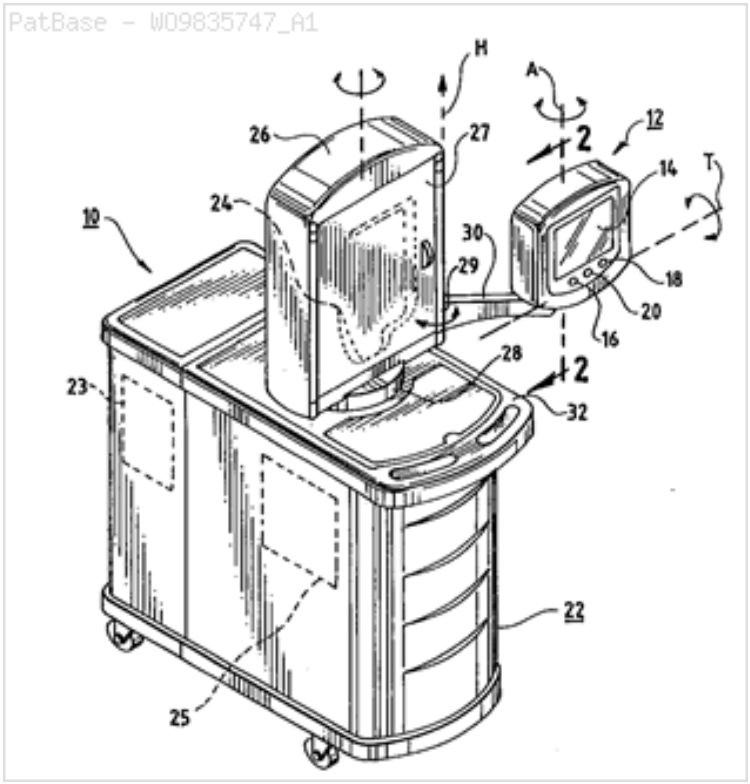
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Abstract:
Source: US5591344A A dialysis machine is disclosed that incorporates a water treatment module, a dialysate preparation module having a dialysate circuit, and an extracorporeal circuit including a dialyzer and arterial and venous blood lines that connect to the patient. The machine accomplishes on−line disinfection of all the fluid circuits of the machine, including the water treatment module, the dialysate preparation module and extracorporeal circuit, the arterial and venous lines, and the dialyzer, by circulating water heated to a high level disinfection temperature (e.g., 80 degrees C.) through the fluid passages of the machine for a sufficient time (such as an hour) to achieve high level disinfection. After the dialysis session is ended, the patient connects the arterial and venous lines to ports in a disinfection manifold that places the arterial and venous lines into fluid communication with the heated water. Thereafter, the machine is ready to disinfect the fluid circuits including the extracorporeal circuit. In a preferred embodiment, the ports of the disinfection manifold ports include recessed features that permit the hot water to circulate on the interior and exterior surfaces of the arterial and venous line connectors, thereby insuring that the surfaces of connectors themselves are also disinfected.



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Title: LINK SYSTEMS AND ARTICULATION MECHANISMS FOR REMOTE MANIPULATION OF SURGICAL OR DIAGNOSTIC TOOLS

Priority:

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Probable Assignee: INTUITIVE SURGICAL OPERATIONS

Assignee(s):(std)**:** DANITZ DAVID J ; HINMAN CAMERON D ; HINMAN CAMERON DALE ; INTUITIVE SURGICAL OPERATION INC ; INTUITIVE SURGICAL OPERATIONS ; NOVARE SURGICAL SYSTEMS INC

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Agent(s): KRAUS AND WEISERT PATENTANWAELTE PARTGMBB; PRICE NIGEL JOHN KING; MORRISON AND FOERSTER LLP; SHAY GLENN LLP

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CPC: A61B1/0051 A61B17/29 A61B2017/003 A61B2017/00323 A61B2017/00327 A61B2017/2902 A61B2017/291 A61B2017/292 A61B2017/2927 A61B2017/294 A61B17/00 A61M25/0138 A61B1/0055 A61M25/0105 A61B1/008 A61M25/0147 A61B90/11

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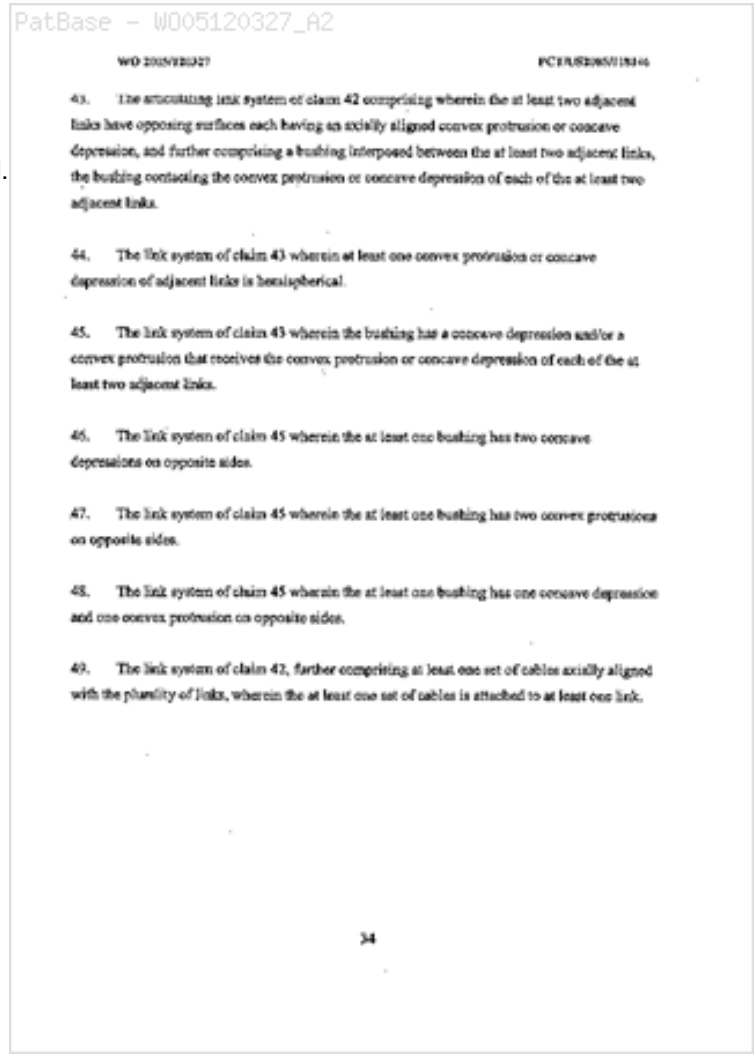
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DE102014010181, CN105433895, CN105073342, CN104440944, CN104440944, CN104116528, CN104023616, CN104023616, CN103961050, CN103860229, CN103860229, CN103707322, CN103707322, CN103702626, CN103702626, CN103431829, CN103085083, CN103085083, CN102905632, CN102905632, CN102341053, CN102169228, CN102006816, AU2014200667, AU2009203208, AU2008207472, AU2007201562, AU2007201207, AU2007201207, AU2007201205,

Abstract:
Source: US2005273084A Articulating mechanisms, link systems, and components thereof, useful for a variety of purposes including, but not limited to, the remote manipulation of instruments such as surgical or diagnostic instruments or tools are provided. The link systems include links wherein at least two adjacent links are pivotable relative to one another around two distinct pivot points. Mechanisms for locking the links are also provided.


PatBase - WO05120327_A2

WO 2005/120327 PCT/US2005/018346

43. The articulating link system of claim 42 comprising wherein the at least two adjacent links have opposing surfaces each having an axially aligned convex protrusion or concave depression, and further comprising a bushing interposed between the at least two adjacent links, the bushing contacting the convex protrusion or concave depression of each of the at least two adjacent links.

44. The link system of claim 43 wherein at least one convex protrusion or concave depression of adjacent links is hemispherical.

45. The link system of claim 43 wherein the bushing has a concave depression and/or a convex protrusion that receives the convex protrusion or concave depression of each of the at least two adjacent links.

46. The link system of claim 45 wherein the at least one bushing has two concave depressions on opposite sides.

47. The link system of claim 45 wherein the at least one bushing has two convex protrusions on opposite sides.

48. The link system of claim 45 wherein the at least one bushing has one concave depression and one convex protrusion on opposite sides.

49. The link system of claim 42, further comprising at least one set of cables axially aligned with the plurality of links, wherein the at least one set of cables is attached to at least one link.

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0) US2010154926A – LOAD LINE CONNECTION SPILLAGE CONTAINER

5) Family number: 44468292 (US2010154926A) © PatBase

Title: LOAD LINE CONNECTION SPILLAGE CONTAINER

Priority: US20080259577 20081028 US20100660260 20100223 US20110082782 20110408 US20130750704 20130125

Family:

Publication number	Publication date	Application number	Application date
CA2682171 AA	20100428	CA20092682171	20091008
CA2682171 C	20150602	CA20092682171	20091008
US2010154926 AA	20100624	US20100660260	20100223
US2012186663 AA	20120726	US20110082782	20110408
US2013134172 AA	20130530	US20130750704	20130125
US7673658 BA	20100309	US20080259577	20081028
US7921884 BB	20110412	US20100660260	20100223
US9151428 BB	20151006	US20130750704	20130125

Probable Assignee: ANTI POLLUTION TECHNOLOGY L P

Assignee(s):(std)**:** ANTI POLLUTION TECHNOLOGY L P ; ANTI POLLUTION TECHNOLOGY LP ; BREWER JACK G ; FRUIT DARREL B ; FRUIT DARREL G ; SHROYER STEVEN L

Assignee(s): INVINCIBLE BIOTECHNOLOGY LLC

Inventor(s):(std)**:** BREWER JACK G ; FRUIT DARREL B ; FRUIT DARREL G ; SHROYER STEVEN L

Agent(s): WOODRUFF NATHAN V; JAMES T ROBINSON; JAMES T; MCAFEE AND TAFT; MCAFEE AND TAFT PC

International class(IPC 8–9)**:** B08B17/00 B08B17/02 B65B1/04 B65D1/34 B65D3/28 B65D90/24 B67D7/78 D06F39/08 F16L55/00 F17C13/04 (Advanced/Invention); B65B1/04 B65D1/34 B65D90/22 B67D7/78 D06F39/08 F17C13/04 (Core/Invention)

CPC: F16L55/00 B08B17/00 B08B17/025 Y10T137/5762

European class: B08B17/00 B08B17/02B

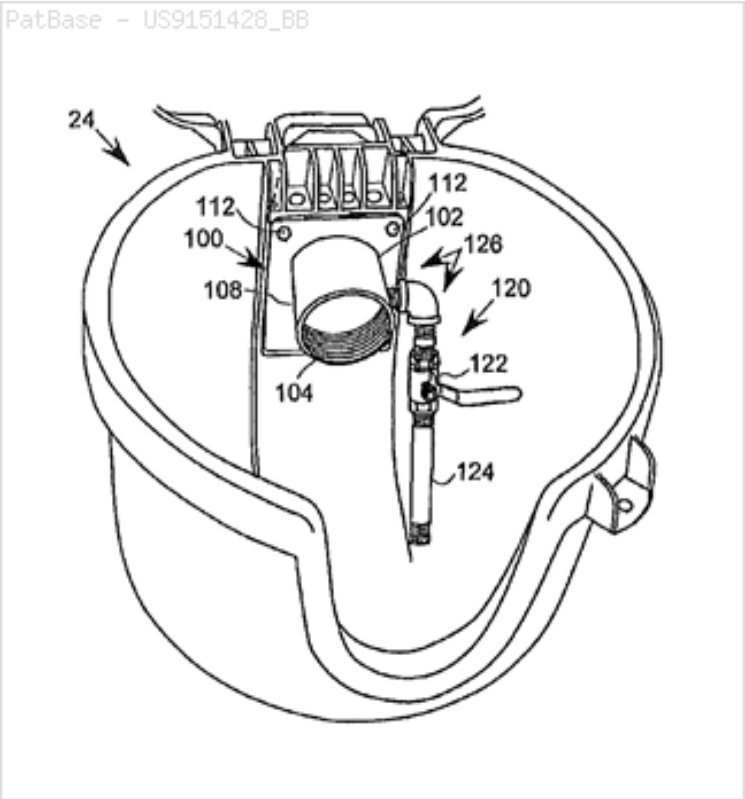
US class: 1/1 137/312 137/312S 141/86 141/86P 141/98 141/98S 220/571

Classification Explorer

Cited documents: USD380814 S1, USD374447 S1, USD374147 S1, US7921884 BB, US7673658 BA, US7637387 BA, US5806702 A, US5647412 A, US5511573 A, US5511279 A, US5379810 A, US5373961 A, US5361931 A, US5313991 A, US5313881 A, US5152635 A, US5105947 A, US5101869 A, US5071166 A, US5060509 A, US5058633 A, US5031796 A, US5002101 A, US4960346 A, US4912966 A, US4896705 A, US4871084 A, US4819677 A, US4653312 A, US441141 A, US3871401 A, US3562969 A, US3434625 A, US3110157 A, US3047190 A, US2954797 A, US2497969 A, US2438245 A, US2006157112 AA,

Forward Citations: USD700227, USD699772, US9593676, US9546087, US9423073, US9151428, US8690001, US8430136, US2014130897, US2013134172, US2012222988, US2011220658,

Abstract:
Source: US2010154926A An injection−molded load line connection spillage container for catching and retaining liquid spilled when liquids are pumped between storage tanks and tankers provides an injection−molded reservoir and an injection−molded cover attached to the reservoir by hinges. Reinforcing ribs molded into the reservoir provide strength and ruggedness without the need for reinforcing steel collars and saddles. Gussets molded into the reservoir hinge brackets ensure repeated stresses produced by energetic opening of the cover does not result in failure of the hinge brackets. An optional load line mounting assembly permits secure mounting of the load line container directly onto the load line. An optional cleanout assembly provides a valved suction line for removing retained spillage, and an optional sampling assembly provides a valved sample line for sampling the liquid being transferred.



0) US2015327717A – MOVING INLET NOZZLES IN BEVERAGE SYSTEMS

6) Family number: 60160905 (US2015327717A) © PatBase

Title: MOVING INLET NOZZLES IN BEVERAGE SYSTEMS

Priority:
US20140060282P 20141006 US20140069772P 20141028 US20140940290P 20140214
US20150136258P 20150320 US20140977069P 20140408 US20150112627P 20150205
US20150810429 20150727 US20150230508P 20150605 US20150174443P 20150611
US20150810445 20150727 US20150202709P 20150807 US20150202753P 20150807
US20150199941P 20150731 US20150303213 20150408 WO2015US15971 20150213
WO2015US25013 20150408 US20150810448 20150727 US20160056131 20160229
US20160076144 20160321 US20160174290 20160606 US20160174339 20160606
US20160222724 20160728

Family:

Publication number	Publication date	Application number	Application date
AU2015218305 AA	20150820	AU20150218305	20150213
AU2015243541 AA	20151015	AU20150243541	20150408
CA2939341 AA	20160810	CA20152939341	20150213
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US2015327719 AA	20151119	US20150810448	20150727
US2016174755 AA	20160623	US20160056131	20160229
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WO16127126 A1	20160811	WO2016US16884	20160205
WO17023707 A1	20170209	WO2016US44576	20160728

Probable Assignee: REMINGTON DESIGNS LLC

Assignee(s):(std)**:** BURROWS BRUCE ; BURROWS BRUCE D ; REMINGTON DESIGNS LLC

Assignee(s): MALETIS CHRIS ; MALETIS ED

Inventor(s):(std)**:** BURROWS BRUCE ; BURROWS BRUCE D

Agent(s): MURRAY TRENTO AND ASSOCIATES PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP; GEVERS PATENTS; KOPPEL PATRICK HEYBL AND PHILPOTT; LOWRY STUART O ET AL; DONALDSON COREY A ET AL; ORLER ANTHONY 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

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International class (IPC 8–9): A23F3/18 A23F5/26 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/10 A47J31/24 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/52 A47J31/54 A47J31/56 A47J31/60 B65D85/804 G05B11/42 (Advanced/Invention)

CPC: A47J31/057 A47J31/36 B65D85/8043 A23F3/18 A23F5/26 A47J31/56 A47J31/44 A47J31/22 A47J31/3633 A47J31/3676 A47J31/0673 A47J31/4403 A47J31/462 A47J31/407 A47J31/3628 A47J31/002 A47J31/3685 A47J31/4475 A47J31/46 A23F5/262 A47J31/52

US class: 1/1 426/115 426/425 426/431 426/433 99/283 99/287 99/295

Classification Explorer

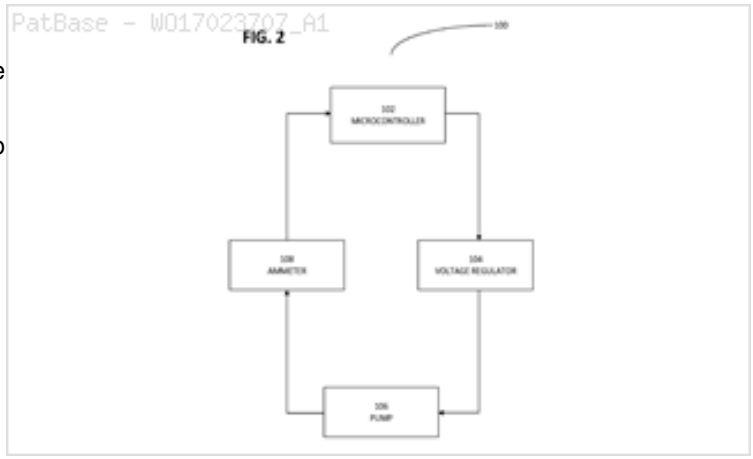
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DE102008050532 A1

CN102374158 A,

Abstract:
Source: US2015327717A The brewing system disclosed herein includes a moving inlet nozzle for use in intermixing hot water and coffee in a coffee cartridge. The inlet nozzle may include one or more flow ports that inject hot water into an inner chamber of the coffee cartridge at select angles, locations and pressures to create the desired fluidized mixture of hot water and beverage medium.



0) US2014202768A – BIDIRECTIONAL DOWNHOLE ISOLATION VALVE

7) Family number: 56968334 (US2014202768A) © PatBase

Title: BIDIRECTIONAL DOWNHOLE ISOLATION VALVE

Priority: US20130754294P 20130118 US20140150137 20140108 WO2014US10975 20140110

Family:

Publication number	Publication date	Application number	Application date
AU2014207765 AA	20140724	AU20140207765	20140110
CA2898461 AA	20150716	CA20142898461	20140110
EP2946067 A2	20151125	EP20140701872	20140110
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US2014202768 AA	20140724	US20140150137	20140108
US9518445 BB	20161213	US20140150137	20140108
WO14113280 A2	20140724	WO2014US10975	20140110
WO14113280 A3	20150409	WO2014US10975	20140110

Probable Assignee: WEATHERFORD TECH HOLDINGS LLC

Assignee(s):(std)**:** WEATHERFORD LAMB ; WEATHERFORD TECH HOLDINGS LLC ; WEATHERFORD TECHNOLOGY HOLDINGS LLC

Assignee(s): WEATHERFORD LAMB INC ; NOSKE JOE

Inventor(s):(std)**:** NOSKE JOE

Inventor(s): JOE NOSKE

Agent(s): SPRUSON AND FERGUSON; DEETH WILLIAMS WALL LLP; TALBOT PONSONBY DANIEL FREDERICK; PATTERSON AND SHERIDAN LLP; PATTERSON WILLIAM B 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): E21B34/06 E21B34/10 (Advanced/Invention)

CPC: E21B34/06 E21B34/10 E21B34/102

US class: 166/320 175/57

Classification Explorer

Cited documents: WO11110816 A2, US8579027 BB, US8261836 BB, US7789156 BB, US7762336 BB, US7730968 BB, US7673689 BB, US6851477 BB, US6808020 BB, US6666271 BB, US6508309 BA, US6401826 BB, US6328109 BA, US6230808 BA, US6209663 BA, US4655070 A, US4641707 A, US3780809 A, US2013068476 AA, US2012234558 AA, US2012067595 AA, US2011232916 AA, US2010301242 AA, US2009272539 AA, US2009230340 AA, US2009229829 AA, US2008302524 AA, US2007095546 AA,

Forward Citations: WO16099505, US9316071, EP2980349,

Abstract:
Source: US2014202768A An isolation valve for use in a wellbore includes: a housing; a piston longitudinally movable relative to the housing; a flapper carried by the piston for operation between an open position and a closed position, the flapper operable to isolate an upper portion of a bore of the valve from a lower portion of the bore in the closed position; an opener connected to the housing for opening the flapper; and an abutment configured to receive the flapper in the closed position, thereby retaining the flapper in the closed position.

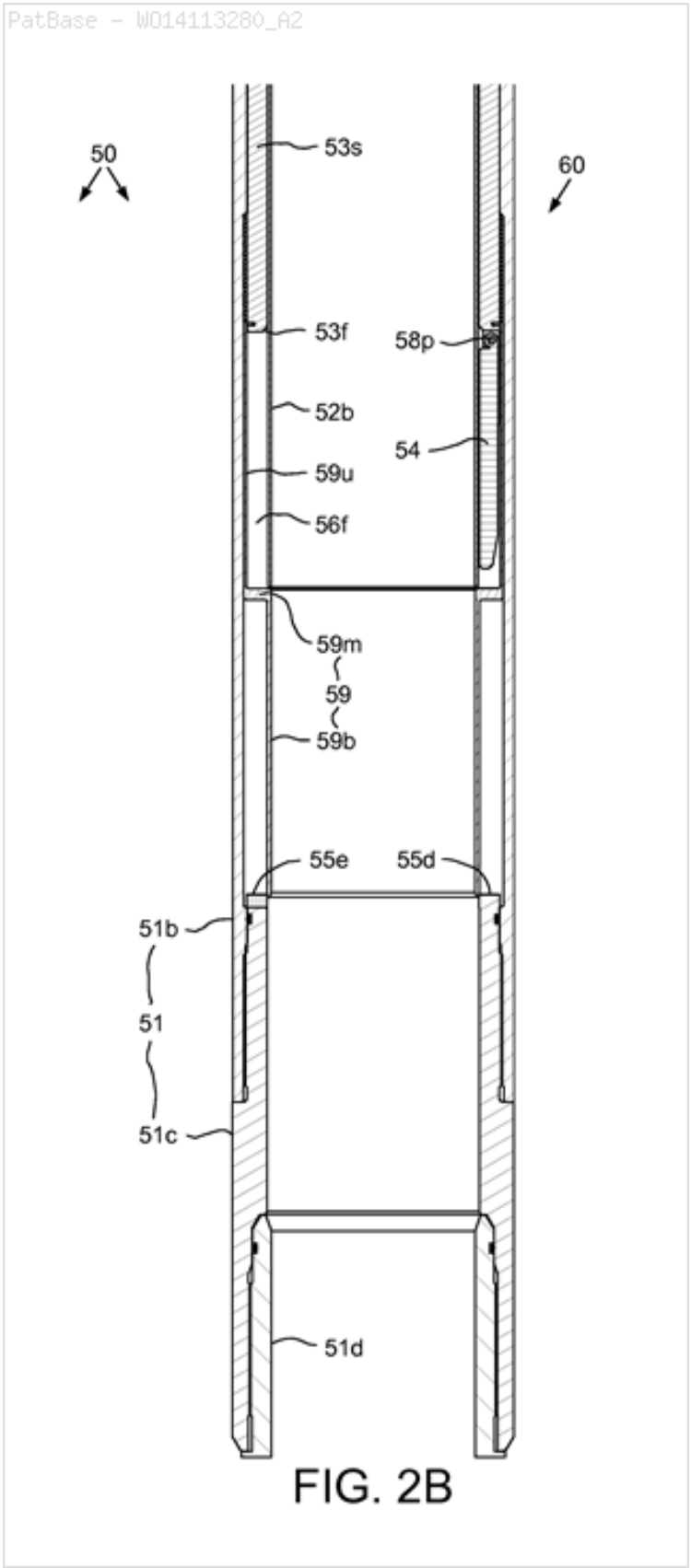


FIG. 2B

8) Family number: 44121392 (US2009309465A) © PatBase

Title: INFUSION SYSTEM CONFIGURATIONS

Priority:

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Publication number	Publication date	Application number	Application date
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Probable Assignee: BRACCO DIAGNOSTICS INC

Assignee(s):(std)**:** DARST DANIEL D ; CLEMENTS DANIEL V ; CHILDS JACOB S ; BRACCO DIAGNOSTICS INC ; FONTAINE AARON M ; BRAKKO DAJEHGNOSTIKS INK ; DARST DANIEL ; MADSON PETER B ; KRAUSE ERIC J ; LOKHANDE VISHAL N ; QUIRICO CHARLES R ; SWENSON ROLF E ; HIDEM STEPHEN E ; GELBACH JANET L ; HUNTER KATHRYN M ; MCDONALD PATRICK M ; ZODDA JULIUS P ; BALESTRACCI ERNEST

Assignee(s): BRACCO DIAGNOSTIC INC ; LOCKHANDE VISHAL N

Inventor(s):(std)**:** BALESTRACCI ERNEST ; BALESTRACHCHI EHRNEST ; CHAJLDS DZHEJKOB S ; CHILDS JACOB S ; CLEMENTS DANIEL V ; ERNEST BALESTRACCI ; FONTAINE AARON M ; FONTEHN AARON M ; GELBACH JANET L ; GELBAKH DZHANET L ; HIDEM STEPHEN E ; HUNTER KATHRYN M ; KHAJDEM STEFEN EH ; KHANTER KATRIN M ; KLEMENTS DEHNIEL V ; KRAUS EHRIK DZH ; KRAUSE ERIC J ; KUIRIKO CHARL Z R ; LOCKHANDE VISHAL N ; LOKHANDE VISHAL N ; LOKKHANDE VISHAL N ; MADSON PETER B ; MAKDONALD PATRIK M ; MCDONALD PATRICK M ; MEHDSON PITER B ; DARST DANIEL ; DARST DANIEL D ; DARST DEHNIEL D ; QUIRICO CHARLES R ; SVENSON ROL F EH ; SWENSON ROLF E ; ZODDA DZHULIUS P ; ZODDA JULIUS P

Inventor(s): AARON M FONTAINE ; VISHAL N LOKHANDE ; ROLF E SWENSON ; STEPHEN E HIDEM ; ERIC J KRAUSE ; PATRICK M MCDONALD ; PETER B MADSON ; JACOB S CHILDS ; JANET L GELBACH ; JULIUS P ZODDA ; KATHRYN M HUNTER ; DANIEL D DARST ; DANIEL V CLEMENTS ; CHARLES R QUIRICO

Agent(s): GRIFFITH HACK; BORDEN LADNER GERVAIS LLP; HOWE STEVEN; MARKS AND CLERK SINGAPORE LLP; INTELLECTUAL PROPERTY GROUP FREDRIKSON AND BYRON PA; FREDRIKSON AND BYRON PA; BELDEN ELISABETH 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 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

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Classification Explorer

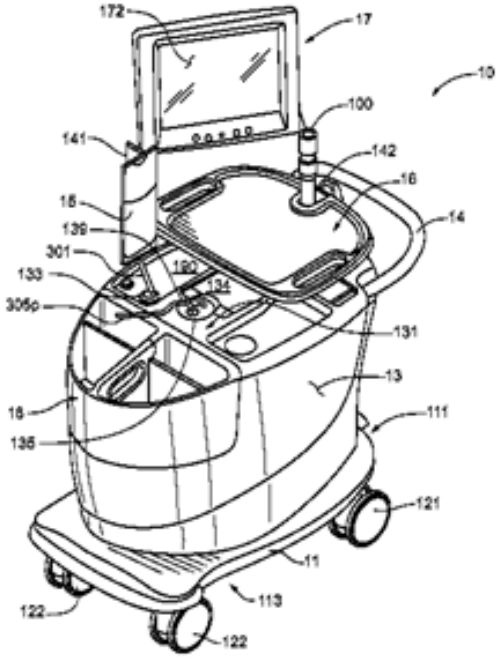
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Forward Citations: WO16016910, WO15138910, WO14041319, WO14036627, WO13184642, WO13054368, WO12083094, WO10059455, USD669993, USD669992, US9597053, US9562640, US9534493, US9463069, US9299468, US9299467, US9299466, US9220833, US9123449, US9114203, US8900182, US8708352, US8591458, US8317674, US8273008, US8216184, US8216181, US2016123939, US2016016680, US2015162106, US2014373618, US2014228617, US2014222009, US2014110913, US2012305813, US2012098668, US2011172524, US2011071392, US2010312039, US2010145160, US2010125243, US2009318745, US2009312630, US2009309466, KR20150116696, KR101602774, ITFI20110222, FR2995536, EP2893540, CN103764199, CN103370747,

Abstract:
Source: US2009309465A Infusion system configurations and assemblies facilitate routing of infusion circuit tubing lines. Tubing lines are routed into and out from compartments of a shielding assembly for the infusion system, at locations which prevent kinking and/or crushing of the lines, and/or provide for ease in assembling the circuit. A plurality of the lines may be held together by a support frame to form a disposable infusion circuit subassembly, that can further facilitate routing of the lines.

PatBase - WO09152326_A2

Fig. 1A



0) AT374920B – SCHWENKLAGERUNG FUER WASSERZAEHLERDECKEL SWIVE...

9) Family number: 1250274 (AT374920B) © PatBase

Title: SCHWENKLAGERUNG FUER WASSERZAEHLERDECKEL SWIVEL STORAGE FOR WATER METER COVER (Machine translation)

Priority: AT19800001552 19800321

Family:

Publication number	Publication date	Application number	Application date
AT155280 A	19810415	AT19800001552	19800321
AT374920 B	19840612	AT19800001552	19800321

Probable Assignee: BERNHARDT S SOEHNE G

Assignee(s):(std)**:** BERNHARDT S SOEHNE G

Assignee(s): G BERNHARDT S SOEHNE

Inventor(s):(std)**:** JIRESCH LOTHAR

International class (IPC 8–9)**:** G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

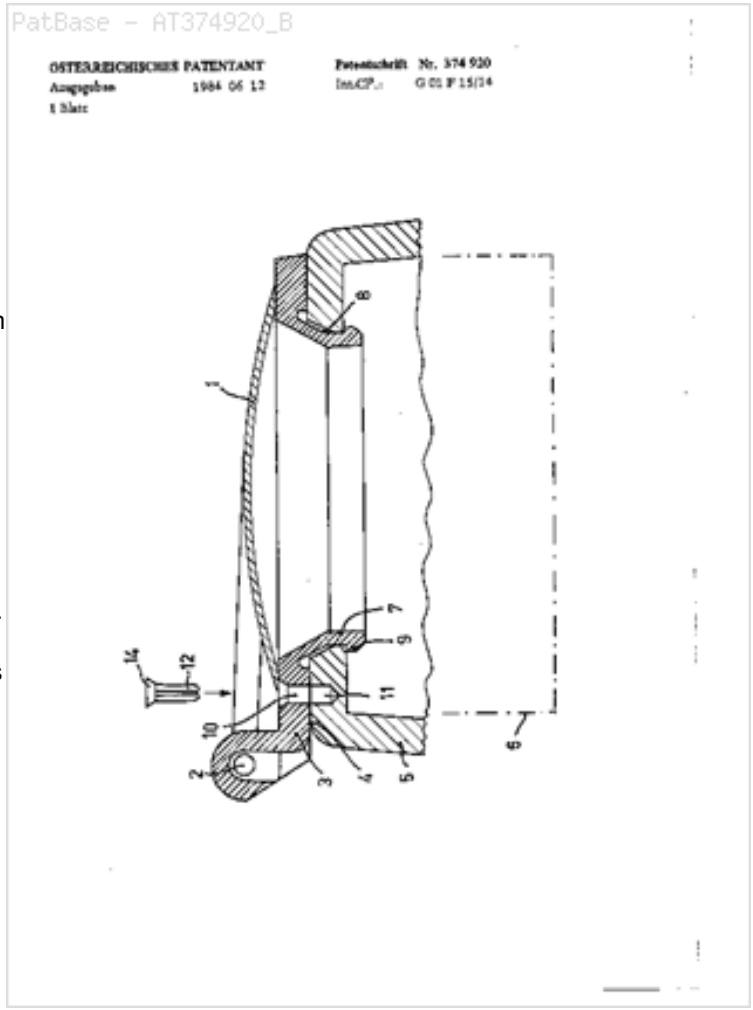
International class (IPC 1–7)**:** G01F15/14

CPC: G01F15/14

European class: G01F15/14

Classification Explorer

Abstract:
Source: AT374920B [Source: Claim 1] 1. Schwenklagerung fuer Wasserzaehlerdeckel, welche ein den Deckel lagerndes Scharnier und einen dieses Scharnier tragenden Zwischenring aufweist, der seinerseits an der Oberseite des Wasserzaehlerkopfes aufliegt und einen rohrartigen Ansatz auf der vom Scharnier abgewendeten Seite traegt, mit dem der Zwischenring in die im wesentlichen kreisrunde Sichtoeffnung des Wasserzaehlerkopfes eingreift, wobei am rohrartigen Ansatz ein Ringflansch vorgesehen ist, der den Rand der Sichtoeffnung des Wasserzaehlerkopfes hintergreift, dadurch gekennzeichnet, dass der Zwischenring (3) mittels eines Haltestiftes (12), der in eine im Zwischenring (3) vorgesehene Bohrung (10) und in eine dazu fluchtende, im Wasserzaehlerkopf (5) vorgesehene Bohrung (11)–welche Bohrungen sich vorzugsweise in der Naehe des Scharniers (2) befinden – strengpassend eingefuegt ist, mit dem Wasserzaehlerkopf (5) verdrehfest verbunden ist. [Source: claim 1] 1 swivel storage for water meter cover, which has a ring bearing this hinge and a hinge that stocked the lid, which is in turn at the top of the water meter head and wears a tube–like approach on the outboard positions of the hinge side, with the ring in the essentially circular viewport of the water meter head intervenes, where provided is a ring flange on the pipe–like approach behind reaching the edge of the viewport of the water meter head, characterised in that the adaptor (3) by means of a locking pin (12), which in a hole (10) provided for in the intermediate ring (3) and into a hole that aligned, provided for in the water meter head (5) (11)–welche holes preferably are strictly suitable close to the hinge (2) – is inserted, is connected with the water meter head (5) tightened.



0) WO13176770A2 – APPARATUS FOR INFUSING FLUID APPAREIL DE PERFU...

10) Family number: 60886367 (WO13176770A2) © PatBase

Title: APPARATUS FOR INFUSING FLUID

Priority: US20120651322P 20120524 US20120679117P 20120803 US20120723238 20121221 US20120723242 20121221 US20120723235 20121221 US20120723239 20121221 WO2012US71131 20121221 US20120723253 20121221 US20120723251 20121221 US20120725790 20121221 US20120723244 20121221 US20120724568 20121221 WO2012US71112 20121221 WO2012US71142 20121221 WO2012US71490 20121221 WO2013US32445 20130315

Family:

Publication number	Publication date	Application number	Application date
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JP5966082 B2	20160810	JP20150514014T	20130315
MX2014014321 A1	20150610	MX20140014321	20130315
WO13176770 A2	20131128	WO2013US32445	20130315
WO13176770 A3	20140130	WO2013US32445	20130315

Probable Assignee: DEKA PRODUCTS LP

Assignee(s):(std)**:** DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD ; GRAY LARRY B ; KERWIN JOHN M ; KAMEN DEAN ; MERWE DIRK A VAN D ; DEKA PRODUCTS PARTNERSHIP LTD340 COMMERCIAL STREETMANCHESTERNH03101US ; LANGENFELD CHRISTOPHER C ; MURPHY COLIN H ; PLACE MICHAEL S ; SABIN ERIK N ; PAWLOWSKI DANIEL F ; PARKER JONATHAN ; SLATE MICHAEL J ; NORRIS MICHAEL G ; THERRIEN ALEXANDER R ; BAIER MICHAEL J ; BIASI JOHN J ; BLUMBERG DAVID

Inventor(s):(std)**:** THERRIEN ALEXANDER R ; SLATE MICHAEL J ; SABIN ERIK N ; PLACE MICHAEL S ; PAWLOWSKI DANIEL F ; PARKER JONATHAN ; NORRIS MICHAEL G ; MURPHY COLIN H ; MERWE DIRK A VAN D ; LANGENFELD CHRISTOPHER C ; KERWIN JOHN M ; KAMEN DEAN ; GRAY LARRY B ; DER MERWE DIRK A VAN ; BLUMBERG DAVID JR ; BLUMBERG DAVID ; BIASI JOHN J ; BAIER MICHAEL J

Inventor(s): THERRIEN ALEXANDER RUS ; BAIER MICHAEL JUS ; BIASI JOHN JUS ; BLUMBERG DAVIDUS ; GRAY LARRY BUS ; KAMEN DEANUS ; KERWIN JOHN MUS ; LANGENFELD CHRISTOPHER CUS ; MERWE DIRK A VAN DUS ; MURPHY COLIN HUS ; NORRIS MICHAEL GUS ; PARKER JONATHANUS ; PAWLOWSKI DANIEL FUS ; PLACE MICHAEL SUS ; SABIN ERIK NUS ; SLATE MICHAEL JUS

Agent(s): GOWLING LAFLEUR HENDERSON LLP; CHAPMAN PATRICK; YAMASAKI YUKUZO; AKAMATSU TOSHIAKI; WYNINEGAR JAMES D JR

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): A61M1/00 A61M5/142 A61M5/168 A61M5/36 (Advanced/Invention)

CPC: A61M5/142 A61M5/14216 A61M5/168 A61M5/16831 A61M2005/16868 A61M2205/18 A61M2205/3306 A61M2205/50 A61M2205/502

Classification Explorer

Cited documents: WO05094919 A1, WO04035116 A1, US5482446 A, US5350357 A, US5193990 A, US5088515 A, US4976162 A, US4826482 A, US4808161 A, US2009112155 AA, US2009088687 AA, US20090112155, JP8509898 T2, JP8191890 A2, JP58163843 A2, JP58163843, JP2007530860 T2, JP2007530860, JP2006514856 T2, JP2006514856, JP2004523305 T2, JP2004523305, JP200349779, JP2003049779 A2, JP11148462 A2,

JP11148462, JP08509898, JP08191890, EP2319551 A2, CN1938061 A,

Forward Citations: WO16034286, USD774645, USD768716, USD760782, USD760289, USD760288, USD758399, USD756386, USD752209, USD749206, US9518958, US9488200, US9465919, US9435455, US9400873, US9372486, TWI566850,

Abstract:
A pump for pumping fluid includes a tube platen, a plunger, a bias member, inlet and outlet valves, an actuator mechanism, a position sensor, and a processor. The plunger is configured for actuation toward and away from the infusion−tube when the tube platen is disposed opposite to the plunger. The tube platen can hold an intravenous infusion tube. The bias member is configured to urge the plunger toward the tube platen.

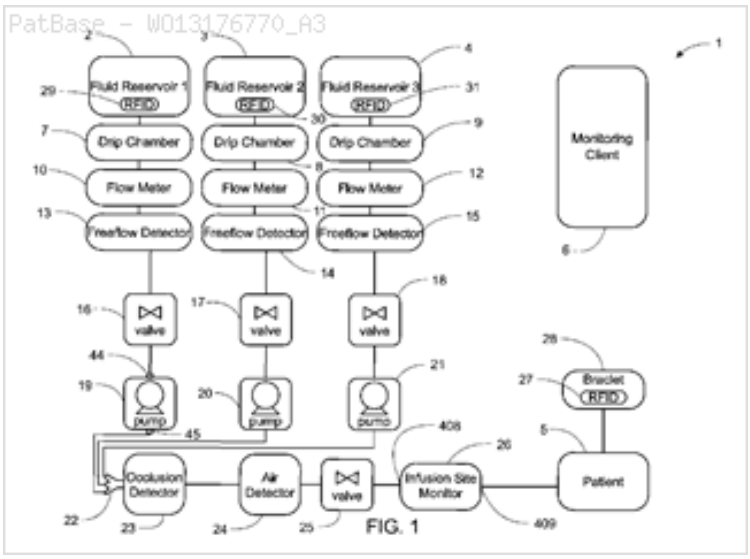


FIG. 1

0) US2001040016A – METHOD FOR PRODUCING PULP MOLDED ARTICLE

11) Family number: 30981743 (US2001040016A) © PatBase

Title: METHOD FOR PRODUCING PULP MOLDED ARTICLE

Priority:

JP19980040597	19980223	JP19980040697	19980223	JP19980040699	19980223
JP19980313713	19981228	JP19980186768	19980529	JP19980275256	19980929
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US20030365453	20030213				

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: KAO CORP

Assignee(s):(std)**:** FUJINAMI SUSUMU ; GOTO MINORU ; ISHIKAWA MASATAKA ; KAO CORP ; KODAMA SHINJI ; KUMAMOTO YOSHIAKI ; OTANI KENICHI ; SAGARA KOICHI ; OTAKURA SHINJI ; TOJO TAKEHIKO ; SATO YUKIYA ; ODAJIMA SHINGO ; TAKITA MASANORI ; SUGA TOSHIYUKI ; NONOMURA AKIRA ; KUMAMOTO YOSHIHAKI ; SUMITOMO RUBBER IND ; TSUURA TOKUO

Assignee(s): SUMITOMO RUBBER IND LTD

Inventor(s):(std)**:** ODAKURA SHINJI ; OTANI KENICHI ; YOSHIAKI KUMANOTO ; YOSHIKO KUMAMOTO ; YOSHIHAKI KUMAMOTO ; YOSHIAKI KUMAMOTO ; TOJO TAKEHIKO ; TANAKA MASAKAZU ; TAKITA MASANORI ; SHINJI OTAKURA ; SHINJI ODAKURA ; SATO YUKIYA ; ODAJIMA SHINGO ; KUMAMOTO YOSHIHAKI ; KOICHI SAGARA ; KENICHI OTANI ; TSUURA TOKUO ; KOICHI AIRA ; KUMAMOTO YOSHIAKI ; SUGA TOSHIYUKI ; SHINJI KUMAMOTO YOSHIAKI OTANI ; SAGARA KOICHI ; OTAKURA SHINJI ; NONOMURA AKIRA ; KOICHI OTANI KENICHI KUMAMOTO ; KODAMA SHINJI ; ISHIKAWA MASATAKA ; GOTO MINORU ; FUJINAMI SUSUMU

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Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; VIKTOR RAINER; MATSUSHIMA YOSHIYUKI; HATORI OSAMU; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC

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

International class (IPC 8–9): A01K1/015 B29C49/06 B29C49/24 B29C49/44 B29C49/46 B29D22/00 B31D5/00 B65D1/00 B65D1/02 B65D1/09 B65D1/10 B65D1/14 B65D1/42 B65D23/08 B65D25/02 B65D25/32 B65D43/16 B65D51/24 B65D77/24 B65D8/00 D21J3/00 D21J3/10 D21J7/00 E01C13/00 E01C13/06 E01C7/08 (Advanced/Invention); B29K1/00 (Advanced/Non–invention); A01K1/015 B29C49/06 B29C49/24 B29C49/42 B29D22/00 B31D5/00 B65D1/00 B65D1/02 B65D1/09 B65D1/40 B65D25/02 B65D43/16 B65D51/24 B65D77/24 B65D8/00 D21J3/00 D21J7/00 E01C13/00 E01C7/00 (Core/Invention)

International class (IPC 1–7): A01K1/015 B29C49/06 B29C49/24 B29C49/44 B29C49/46 B29D22/00 B29K1/00 B31D5/00 B65D1/00 B65D1/02 B65D1/09 B65D1/14 B65D1/42 B65D25/02 B65D43/16 B65D51/24 B65D77/24 B65D8/00 D21F13/00 D21J3/00 D21J3/10 D21J5/00 D21J7/00 E01C13/00 E01C7/08

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European class: B65D1/02B B65D1/02B1 B65D1/02D B65D1/10 B65D1/12 B65D23/08B1A B65D25/32 B65D43/16B B65D77/24B D21J3/10 D21J7/00

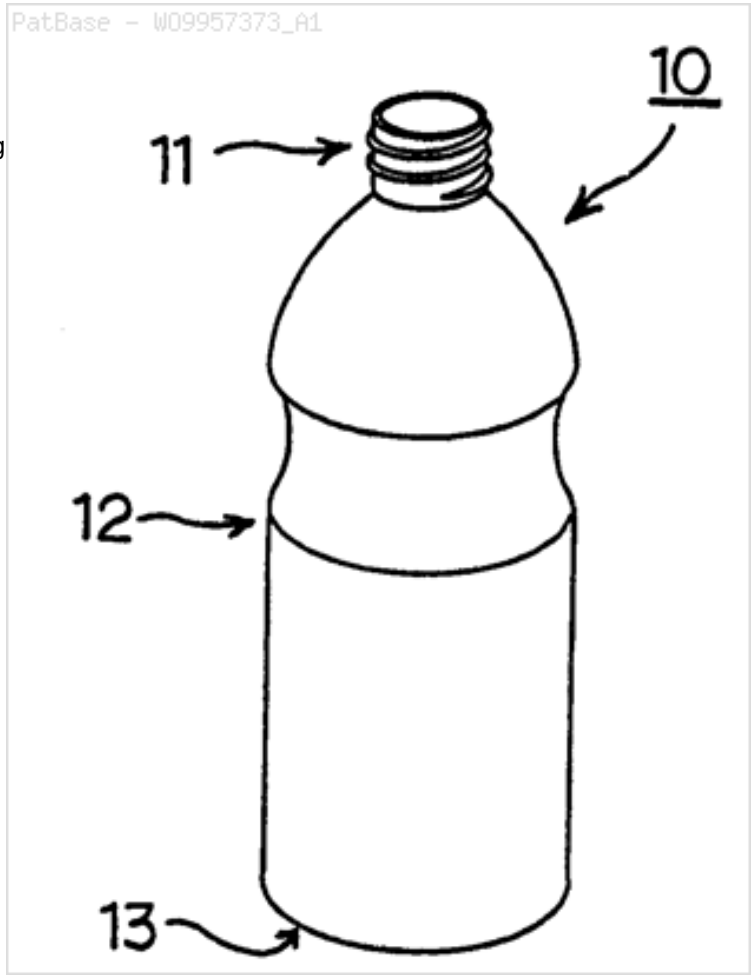
US class: 162/130 162/149 162/218 162/219 162/219S 162/220 162/221 162/226 162/227 162/227S 162/228 162/228S 162/23 162/230 162/230S 162/231 162/396 162/401 162/408 229/406 229/407 264/87 428/34.2 428/342

Classification Explorer

Cited documents: WO9004678 A1, USRE24860 E, US6521085 BB, US6468398 BA, US6461480 BA, US6454906 BA, US644906 A, US6171573 BA, US5972169 A, US5934472 A, US5716899 A, US5607885 A, US5489865 A, US5346722 A, US5242546 A, US5169470 A, US5167813 A, US5047121 A, US5039465 A, US5004121 A, US4956329 A, US4900487 A, US4871643 A, US4856704 A, US4798694 A, US4683028 A, US4455195 A, US4337116 A, US4303472 A, US4189405 A, US4162759 A, US4132591 A, US4088259 A, US4058247 A, US398397 A, US3956186 A, US3954555 A, US3802963 A, US3612326 A, US3594273 A, US3250668 A, US2961043 A, US2961043, US2881669 A, US2738914 A, US2722719 A, US2530124 A, US2387778 A, US2100396 A, US2042210 A, US2033855 A, US2025053 A, US1966469 A, US1549903 A, US1342184 A, US1324935 A, US1284927 A, JPH05502065, JP9316800 A2, JP9309521 A2, JP9309153 A2, JP9255031 A2, JP9195200 A2, JP9142445 A2, JP8337234 A2, JP8302600 A2, JP8301288 A2, JP8232200 A2, JP8209600 A2, JP8158299 A2, JP8158299, JP8092900 A2, JP8034424 A2, JP7040959 A2, JP7040959, JP63282301 A2, JP61174500 A2, JP6009943 A2, JP60052215 A2, JP59096111 A2, JP57194938, JP56034452 A2, JP56034452, JP5502065 T2, JP55019828 A2, JP54133972 A2, JP53067783 A2, JP53067783, JP53016353 A2, JP5279998 A2, JP52128412 A2, JP52128412, JP5201430, JP51139838 A2, JP51139838, JP51137571 A2, JP51137571, JP51082187, JP5061052 A2, JP50149460 U, JP50149460 A2, JP48050003 A2, JP48050003, JP47025257 Y1, JP47025257 Y1, JP47025257 U1, JP47025257, JP46006640 A2, JP46006640, JP42009086 B4, JP42009086 B1, JP359669, JP35009669 Y1, JP35009669 B1, JP35009669 B1, JP35009669, JP35009669, JP35006996 B1, JP11158299 A2, JP10258841 A2, JP10131100 A2, JP10046500 A2, GB1348370 A, EP0562590 A1,

Forward Citations: WO16081614, WO16070866, WO16055073, WO15056276, WO15019061, WO13192260, WO12118724, WO11162779, WO11090786, WO10144340, WO08007557, WO07039046, WO06023624, WO04000662, WO0228725, WO0168984, WO0161109, USD740122, USD734149, USD733320, USD701429, USD687705, USD676739, USD675477, USD577993, US9574307, US9505522, US9387963, US9187866, US9145251, US9145224, US9126717, US8991635, US8857645, US8756791, US8651311, US8636168, US8627981, US8591109, US8561823, US8511499, US8469223, US8308008, US8084139, US7815774, US7771814, US7503999, US7334696, US7249725, US7141192, US7077933, US6929717, US6918997, US6857199, US6830658, US6605187, US2015308050, US2015291762, US2013248481, US2013213597, US2011186570, US2010308066, US2010308044, US2010124650, US2010108670, US2010019413, US2009211717, US2008292879, US2008113161, US2007232982, US2006213916, US2005248067, US2005236130, US2004069429, US2003121635, US2003009903, US2002148572, US2002079074, JP5879935, JP5155050, JP5055196, JP4429256, JP4070439, JP4039817, JP4036633, JP4027058, JP4010780, JP3998674, JP3973368, JP3909986, JP3799303, JP3289016, JP3289015, JP3289001, JP3284123, JP3249800, JP2014145142, JP2013096034, JP2010083516, JP2010025827, JP2009262972, JP2009241020, JP2009179033, JP2007050895, JP2006125836, JP2006076647, JP2005336649, JP2004027381, JP2003138500, JP2003102762, JP2002371500, JP2002362527, JP2002266299, JP2002266298, JP2002004200, JP2001303500, JP2001303499, JP2001253425, JP2001146699, JP2001048151, GB2519059, GB2392409, EP2933377, EP2042526, EP1865106, EP1664434, EP1266998, EP1221413, EP1104822, DE102014115940, DE102014115940, CN103276637, CN103072373, CN103072373, CN102019717,

Abstract:
Source: US2001040016A A method for producing a pulp molded article (7) comprising the steps of supplying a pulp slurry into the cavity (1) of a mold (10) composed of a set of splits (3 and 4), the set of splits (3 and 4) being assembled together to form the cavity (1) with a prescribed configuration, to form a pulp deposited body (5), feeding a fluid into the cavity (1) to press the pulp deposited body (5) onto the inner wall of the cavity (1) for dewatering.



0) US2015135966A – APPARATUSES, SYSTEMS, AND METHODS FOR BREWING A...

12) Family number: 59283351 (US2015135966A) © PatBase

Title: APPARATUSES, SYSTEMS, AND METHODS FOR BREWING A BEVERAGE

Priority: US20130906871P 20131120 US20130906872P 20131120 US20140548174 20141119 US20140548226 20141119 WO2014US66174 20141118 WO2014US66455 20141119

Family:

Publication number	Publication date	Application number	Application date
AU2014353084 AA	20150528	AU20140353084	20141119
CA2930844 AA	20160516	CA20142930844	20141119
CN105916418 A	20160831	CN201480073136	20141119
EP3071080 A1	20160928	EP20140816491	20141119
IN201637018215 A	20160826	IN201637018215	20160527
JP2017500091 T2	20170105	JP20160533085T	20141119
KR20160087865 A	20160722	KR20167016128	20141119
MX2016006632 A1	20160906	MX20160006632	20141119
TW201524440 A	20150701	TW20140140111	20141119
TW201526851 A	20150716	TW20140140103	20141119
US2015135966 AA	20150521	US20140548174	20141119
US2015148980 AA	20150528	US20140548226	20141119
WO15077237 A2	20150528	WO2014US66174	20141118
WO15077237 A3	20150911	WO2014US66174	20141118
WO15077367 A1	20150528	WO2014US66455	20141119

Probable Assignee: STARBUCKS CORP DBA STARBUCKS COFFEE CO

Assignee(s):(std)**:** STARBUCKS CORP D B A STARBUCKS COFFEE CO ; STARBUCKS CORP DBA STARBUCKS COFFEE CO ; STARBUCKS CORP D B C STARBUCKS COFFEE CO ; STARBUCKS CORP D

Assignee(s): STARBUCKS D CORP ; STARBUCKS CORPDBA STARBUCKS COFFEE CO ; SINGER MARC ; STARBUCKS COFFEE CO ; STARBUCKS CORP ; STARBUCKS DBA STARBUCKS COFFEE COMPANY CORP ; STARBUCKS DBA STARBUCKS COFFEE CO CORP ; ALLISON JEFF ; APONE DAN ; DOUCETTE DAVID ; FRANKOVICH STEVE ; SHAY BRIAN ; KOLLER IZAAK ; JURIS AMANDA ; KLECKER GLENN ; HORTH ROLAND ; HANCOCK STEPHEN HOYT ; HULETT RANDY ; JOHNSON JOHN ANDREW ; STARBUCKS D B A STARBUCKS COFFEE CO CORP ; STARBUCKS D B C STARBUCKS COFFEE CO CORP

Inventor(s):(std)**:** ALLISON JEFF ; AMANDA JURIS ; APONE DAN ; BRIAN SHAY ; DAN APONE ; DAVID DOUCETTE ; DOUCETTE DAVID ; DOUGHTY CHRIS ; FRANKOVICH STEVE ; GLENN KLECKER ; HANCOCK STEPHEN HOYT ; HORTH ROLAND ; HULETT RANDY ; IZAAK KOLLER ; JEFF ALLISON ; JOHN ANDREW JOHNSON ; JOHNSON JOHN ANDREW ; JURIS AMANDA ; JURIS AMANDA L ; KLECKER GLENN ; KOLLER IZAAK ; MARC SINGER ; RANDY HULETT ; ROLAND HORTH ; ROTH FRANK ; SHAY BRIAN ; SINGER MARC ; STEPHEN HOYT HANCOCK ; STEVE FRANKOVICH

Agent(s): MINTER ELLISON; GOUDREAU GAGE DUBUC; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; CHRISTENSEN MICHAEL R

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)**:** A47J27/12 A47J27/62 A47J31/02 A47J31/40 A47J31/42 A47J31/44 A47J31/46 A47J31/60 A47J42/50 G05B15/02 G05D23/19 G05F1/66 H02J3/14 (Advanced/Invention)

CPC: A47J27/62 G05B15/02 G05F1/66 G05D23/1951 A47J31/42 A47J42/50 A47J31/404 H02J3/14 A47J31/60 A47J31/40 A47J31/46

US class: 700/296 99/289R 99/327 99/337 99/338 99/339 99/342

Classification Explorer

Cited documents: WO11130439 A2, US8586116 BB, US8434401 BB, US7685932 BB, US7455011 BB, US7350455 BB, US6988444 BA, US6832542 BB, US6658989 BB, US6349889 BA, US5392694 A, US5372832 A, US5134925 A, US4470999 A, US4421014 A, US4253385 A, US3561349 A, US3450024 A, US3007392 A, US201361906871 P, US2013297089 AA, US2013220137 AA, US2013133520 AA, US2013131883 AA, US201213684117, US201213684062, US2011212236 AA, US2011185908 AA, US2010107885 AA, US2010052421 AA, US2009158937 AA, US2008277512 AA, US2008168905 AA, US2007261566 AA, US2007068393 AA, US2005121978 AA, US2003126993 AA, US2003049356 AA, US2002130137 AA,

DE202011005003 U1

Forward Citations: US9218633,

Abstract:
Source: US2015135966A Apparatuses, systems, and methods for brewing a desired portion of a beverage, such as a single−cup portion of coffee, are provided. The system can include one or more hopper assemblies configured to provide a controlled dose of beverage material to a brew chamber. The system can also include a water input system configured to wet the ground beverage material as the grinds enter the brew chamber and substantially prevent steam from reaching grinder components of the system. Further, the system can include an automatic cleaning mechanism such that a user does not need to manually clean components of a brewing machine between brew cycles.

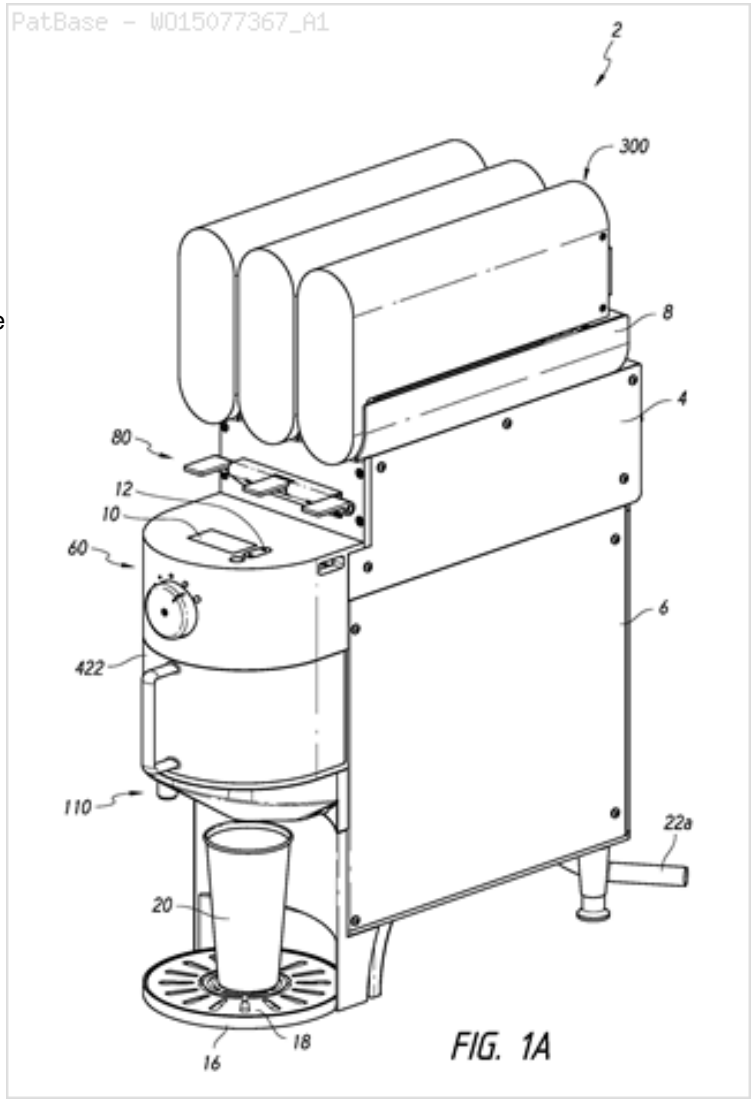


FIG. 1A

0) US6012483A – SWITCH–OVER VALVE HAVING PIVOT AXLE ARTICULATED...

13) Family number: 18839056 (US6012483A) © PatBase

Title: SWITCH–OVER VALVE HAVING PIVOT AXLE ARTICULATED CLOSURE WINGS

Priority: DE19971017726 19970418

Family:

Publication number	Publication date	Application number	Application date
CN1221107 A	19990630	CN19981009409	19980417
DE19717726 C1	19980910	DE19971017726	19970418
EA000802 B1	20000424	EA19980000313	19980417
EA199800313 A1	19981224	EA19980000313	19980417
EP0872716 A1	19981021	EP19980250133	19980417
IL124105 A1	20020210	IL19980124105	19980415
PL325858 A1	19981026	PL19980325858	19980417
US6012483 A	20000111	US19980061728	19980417

Probable Assignee: H MEINECKE AG

Assignee(s):(std)**:** H MEINECKE AG ; MEINECKE H AG

Assignee(s): SENSUS USA INC ; SMITH BLAIR INC ; SENSUS SPECTRUM LLC ; AXONN LLC ; CREDIT SUISSE ; CREDIT SUISSE FIRST LIEN COLLATERAL AGENT AG AS ; CREDIT SUISSE SECOND LIEN COLLATERAL AGENT AG AS ; H MEINECKE 30880 LAATZEN DE AG ; H MEINECKE AG 30880 LAATZEN DE ; INVENSYS METERING SYSTEMS NORTH AMERICA INC (TO BE ; M AND FC HOLDING LLC (N K A SENSUS SPECTRUM LLC) ; INVENSYS METERING SYSTEMS NORTH AMERICA INC TO BE ; M AND FC HOLDING LLC N K A SENSUS SPECTRUM LLC ; INVENSYS METERING SYSTEMS NORTH AMERICA INC (TO BE RENAMED SENSUS METERING SYSTEMS NORTH AMERICA INC) ; INVENSYS METERING SYSTEMS NORTH AMERICA INC TO BE RENAMED SENSUS METERING SYSTEMS NORTH AMERICA INC ; HMEINECKE AG

Inventor(s):(std)**:** BEDDIES U ; BEDDIES UWE ; U BEDDIES

Inventor(s): BEDDIES UWE 30966 HEMMINGEN DE

Agent(s): EITAN PEARL LATZER AND COHEN ZEDEK

Designated states: DE FR GB IT

International class (IPC 8–9): F16K15/00 F16K15/03 G01F1/05 G01F1/11 G01F1/26 G01F15/00 G01F7/00 (Advanced/Invention) ; F16K15/00 F16K15/02 G01F1/05 G01F1/20 G01F15/00 G01F7/00 (Core/Invention)

International class (IPC 1–7): F16K15/00 F16K15/03 G01F1/05 G01F1/11 G01F1/26 G01F15/00 G01F7/00

CPC: Y10T137/7839 G01F7/00 G01F1/11

European class: G01F1/11 G01F7/00

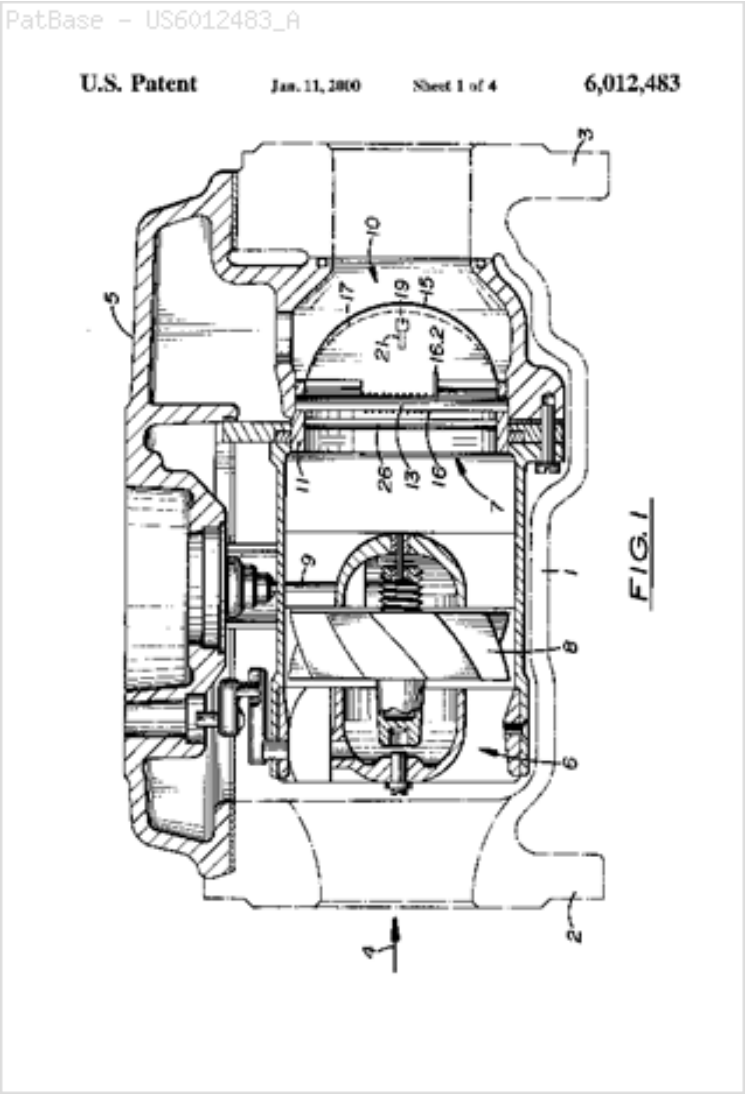
US class: 137/512.1 251/212

Classification Explorer

Cited documents: US5301709 A, US4585026 A, US4437344 A, US4321944 A, US4196745 A, US4100800 A, US4043358 A, US3678958 A, US3533438 A, US3074427 A, US3072141 A, US2390150 A, US2270433 A, US1743731 A, SU469842 T, EP0133606 A2, DE3924147 A1, DE3740531 A1, DE3732703 A1, DE3240148 A1,

Forward Citations: WO09131878, WO07041558, US8122911, US8015992, US7779859, US7568498, US7506662, US7325569, US7311740, US7011292, US2010236650, US2009261284, US2009071549, US2008072974, US2007107981, US2007074768, US2006237680, US2006179800, US2003047703, AU2009238419,

Abstract:
Source: US6012483A A switch−over valve for a compound water meter includes an annular−shaped housing defining an annular valve seat and a central throughflow cross section, a pivot extending across the housing and supported at opposite ends in opposed portions of the housing, a closure member formed by a divided flap having a pair of wings disposed along opposite longitudinal sides of the pivot and articulated by the pivot for movement between opened and closed positions relative to the annular valve seat and the central throughflow cross section and a spring disposed about the pivot biasing the wings toward the closed position. The two wings of the divided flap are connected hinge−like one with the other along and via the pivot which extends along and in the region of division of the flap. The divided flap, due to its construction, has gaps along its region of division and along the pivot which are covered by a flat flexible seal disposed on an upstream side of the divided flap. The pivot can be a common axle or a pair of separate pivot axles arranged in side−by−side relationship each mounting one of the wings.



14) Family number: 11322928 (US2005147958A) © PatBase

Title: COMPOSITIONS, METHOD AND DEVICES FOR MAINTAINING AN ORGAN

Priority: JP20000512407 19980923 JP20000512407T 19980923 JP20110066448 19980923 JP20140108176 19980923 JP20140108177 19980923 JP20150240537 20151209 US19980054698 19980403 US20050060906 20050217 US20000534092 20000323 WO1998US19912 19980923 US19970936062 19970923 US20130849295 20130322 US20150671771 20150327

Family:

Publication number	Publication date	Application number	Application date
AT253819 E	20031115	AT19980948478T	19980923
AU199895042 A1	19990412	AU19980095042	19980923
AU728233 B2	20010104	AU19980095042	19980923
CA2304598 AA	20000323	CA19982304598	19980923
CA2304598 C	20090310	CA19982304598	19980923
DE69819759 D1	20031218	DE19986019759	19980923
DE69819759 T2	20040923	DE19986019759T	19980923
DK1017274 T3	20040322	DK19980948478T	19980923
EP1017274 A1	20000712	EP19980948478	19980923
EP1017274 B1	20031112	EP19980948478	19980923
ES2210825 T3	20040701	ES19980948478T	19980923
JP2001516768 T2	20011002	JP20000512407T	19980923
JP2011157374 A2	20110818	JP20110066448	20110324
JP2014040491 A2	20140306	JP20130251147	20131204
JP2014148553 A2	20140821	JP20140108176	20140526
JP2014177484 A2	20140925	JP20140108177	20140526
JP2015025023 A2	20150205	JP20140226896	20141107
JP2016053081 A2	20160414	JP20150240695	20151210
JP2016104750 A2	20160609	JP20150240537	20151209
JP5746534 B2	20150708	JP20110066448	20110324
JP5889861 B2	20160322	JP20130251147	20131204
JP5923551 B2	20160524	JP20140108176	20140526
JP5923552 B2	20160524	JP20140108177	20140526
JP5933666 B2	20160615	JP20140226896	20141107
PT1017274 T	20040430	PT19980948478T	19980923
US2005147958 AA	20050707	US20050060906	20050217
US2013295552 AA	20131107	US20130849295	20130322
US2015264918 AA	20150924	US20150671771	20150327
US6046046 A	20000404	US19980054698	19980403
US6100082 A	20000808	US19970936062	19970923
US6953655 BA	20051011	US20000534092	20000323
US8409846 BB	20130402	US20050060906	20050217
WO9915011 A1	19990401	WO1998US19912	19980923

Probable Assignee: TRANSMEDICS INC

Assignee(s):(std)**:** CRITTENDEN MICHAEL D ; BIRJINUIK VLADIMIR ; HASSANEIN WALEED H ; HASSANEIN WALEED ; KHURI SHUKRI F ; DEPT OF VATERANS AFFAIRS ; DEPT OF VETERAN AFFAIRS ; WALEED H HASSANEIN ; US DEPT VETERANS AFFAIRS ; US DEPT OF VETERAN AFFAIRS

Assignee(s): THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS ; THE UNITED STATES OF AMERICA AS REPRESENTED BY

THE DEPARTMENT OF VETERAN AFFAIRS ; VETERAN AFFAIRS DEPARTMENT OF ; VETERANS AF IRS DEPARTMENT OF FA ; TRANSMEDICS INC ; VETERANS AFFAIRS DEPARTMENT OF ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE ; ONE LIBERTY ADVISORS 2000 LP ; ONE LIBERTY VENTURES 2000 LP ; JP MORGAN PARTNERS (23A SBIC) LLC ; JP MORGAN PARTNERS 23A SBIC LLC ; DEPARTMENT OF VETERANS AFFAIRS ; ALTA CALIFORNIA PARTNERS II LP ; ALTA CALIFORNIA PARTNERS II LP ONE EMBARCADERO ; ALTA EMBARCADERO PARTNERS II LLC ; BIRJINIUK VLADIMIR ; DEPARTMENT OF VETERANS AFFAIRS US GOV AS ; DEPARTMENT OF VETERANS AFFAIRS AS US GOV ; ONE LIBERTY VENTURES ; ONE LIBERTY ADVISORS ; JP MORGAN PARTNERS ; HERCULES TECHNOLOGY GROWTH CAPITAL INC ; DEPARTMENT OF VETERAN AF IRS FA ; CAPITAL TECHNOLOGIES CDPQ INC ; DEPARTMENT OF VETERAN AFFAIRS ; DEPARTMENT OF VATERANS AFFAIRS ; DEPARTMENT OF VETERAN AFFAIRS AS US GOV

Inventor(s):(std)**:** CRITTENDEN MICHAEL D ; HASSANEIN WALEED ; HASSANEIN WALEED H ; KHURI SHUKRI ; KHURI SHUKRI F ; BIRJINIUK VLADIMIR ; BIRJINUIK VLADIMIR

Inventor(s): CRITTENDEN MICHAEL ; WALEED H HASSANEIN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OGILVY RENAULT LLP SENCRL SRL; HOSODA YOSHINORI; FISH AND NEAVE IP GROUP, ROPES AND GRAY LLP; FISH AND NEAVE IP GROUP ROPES AND GRAY LLP; HAMILTON BROOK SMITH AND REYNOLDS PC; WILMER CUTLER PICKERING HALE AND DORR LLP

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): A01N1/00 A01N1/02 A61M16/10 C12M1/00 C12M3/00 (Advanced/Invention);
A61M1/16 (Advanced/Non–invention);
A01N1/02 (Core/Invention);
A61M1/16 (Core/Non–invention)

International class (IPC 1–7): A01N1/00 A01N1/02 C12M3/00

CPC: A01N1/0278 A01N1/02 A01N1/0247

European class: A01N1/02 A01N1/02M2P

US class: 435/1.1 435/1.100P 435/1.2 435/1.3 435/284.1 435/284.100S 435/286.5 435/286.6 435/289.1 435/303.1 435/304.1 435/809 607/3

Classification Explorer

Cited documents: WO9746091 A1, WO9629865 A1, WO9531897 A1, WO8805261 A1, US6794124 BB, US6642045 BA, US6024698 A, US5843024 A, US5807737 A, US5786136 A, US5776063 A, US5770149 A, US5733894 A, US5723281 A, US5716378 A, US5702881 A, US5699793 A, US5698536 A, US5693462 A, US5643712 A, US5613944 A, US5607737 A, US5599659 A, US5599173 A, US5586438 A, US5571801 A, US5554497 A, US5552267 A, US5498427 A, US5494822 A, US5472876 A, US5405742 A, US5370989 A, US5362622 A, US5338662 A, US5217860 A, US5200398 A, US5145771 A, US5141847 A, US5051352 A, US4920044 A, US4666425 A, US4231354 A, US3995444 A, US3738914 A, US3639084 A, US2002102720 AA, JP9500380 T2, JP8511012 T2, JP8511012, JP7196401 A2, JP7196401, JP6305901 A2, JP6305901, JP6056601 A2, JP59212701 A2, JP499701, JP49023427 B4, JP4099701 A2, JP4099701, JP09500380, JP08511012, JP0656601, JP06305901, JP0499701, EP0376763 A2, EP0347923 A1, DE4201259 A1, AU3142897 A1,

Forward Citations: WO16097390, WO15187737, WO15143552, WO15060762, WO15021513, WO14197924, WO14194349, WO14011560, WO14001592, WO13148877, WO13106908, WO13032319, WO12170633, WO12148690, WO12078968, WO12078968, WO12064348, WO12027787, WO11093268, WO11077024, WO11057174, WO11037512, WO11037511, WO10036726, WO09138446, WO09136838, WO09003061, WO08088693, WO08088693, WO08077059, WO08077059, WO07124044, WO07124044, WO07055714, WO07055714, WO07025215, WO07025215, WO06132205, WO06118990, WO06113914, WO05022995, WO05009125, WO04026031, WO04026031, WO03026419, WO03024214, WO0217714, WO0217714, WO02089571, WO0060936, WO0022927, WO0018226, WO0018226, USRE40365, USRE38533, USD714461, USD692160, USD531320, USD531319, USD468436, USD453828, US9596842, US9573128, US9567992, US9560846, US9536313, US9516875, US9462802, US9457179, US9452253, US9426979, US9357767, US9327066, US9320269, US9301519, US9253976, US9247728, US9215867, US9155297, US9140548, US9127242, US9119392, US9084416, US9078428, US9060507, US9055740, US9022978, US8986978, US8962303, US8945823, US8927257, US8900804, US8835158, US8828710, US8828034, US8822535,

US8822203, US8802425, US8785116, US8771931, US8771930, US8765364, US8741555, US8724900, US8673547, US8609400, US8585380, US8563919, US8563233, US8535934, US8465970, US8445260, US8431385, US8420381, US8420380, US8389280, US8389271, US8374431, US8361091, US8349551, US8328857, US8323954, US8318415, US8308784, US8304452, US8304181, US8268612, US8268547, US8236486, US8211628, US8167921, US8149526, US8128740, US8097449, US8025687, US7998725, US7993681, US7981596, US7897327, US7848035, US7824848, US7811808, US7749693, US7695504, US7691622, US7678563, US7651835, US7611830, US7575856, US7575589, US7572622, US7534255, US7510823, US7504201, US7410474, US7316922, US7309348, US7303578, US7176015, US6974434, US6918922, US6794182, US6736836, US6677150, US6642045, US6582953, US6582375, US6567679, US6490880, US6327497, US2014255906, US2014030231, US2014017770, US2014007961, US2013280104, US2013177899, US2013157248, US2012184024, US2012028234, US2012027298, US2011293074, US2011212883, US2011177487, US2011144723, US2011136096, US2011129908, US2011102916, US2011065170, US2011065169, US2011059429, US2011053256, US2011039253, US2010316705, US2010221696, US2010211136, US2010152820, US2010151559, US2010151435, US2010112542, US2010086907, US2010067128, US2010041009, US2010028850, US2009291486, US2009254154, US2009216301, US2009197325, US2009197292, US2009197241, US2009197240, US2008318864, US2008288399, US2008286747, US2008286745, US2008234768, US2008221211, US2008145919, US2008125836, US2008070229, US2008038811, US2008017194, US2008004565, US2007275364, US2007240235, US2007190649, US2007190636, US2007184545, US2007179571, US2007179570, US2007166292, US2007110740, US2007098694, US2007078113, US2007048725, US2007009881, US2006292544, US2006253177, US2006160204, US2006154359, US2006154358, US2006154357, US2006148062, US2006147429, US2006121439, US2006063142, US2005255442, US2005221269, US2005203595, US2005187595, US2005170019, US2005153271, US2005147692, US2005136125, US2005107851, US2004260367, US2004248281, US2004241634, US2004235142, US2004224299, US2004224298, US2004221719, US2004171138, US2004170950, US2004153130, US2004138727, US2004138542, US2004132002, US2004111104, US2004102415, US2004082057, US2004038193, US2004014199, US2003216797, US2003215935, US2003149401, US2003144712, US2003073227, US2003040665, US2003023072, US2002176797, TWI500385, NL1024022, JP5881422, JP2016053030, JP2015525761, JP2015007083, JP2014028845, JP2013536804, JP2013510590, JP2013075888, JP2012255003, JP2012092113, JP2011520839, JP2010520207, JP2008515914, FR2953684, ES2328660, EP2949212, EP2897459, EP2809153, EP2688541, EP2688541, EP2530142, EP2363022, EP2308295, EP2308294, EP2308294, EP2308293, EP2308292, EP2308291, EP2301342, EP2301342, EP2301341, EP2301340, EP2301340, EP2301339, EP2301339, EP2301338, EP2301337, EP2301336, EP2301335, EP2301334, EP2258176, EP2258176, EP2258175, EP1957091, EP1897549, EP1711816, EP1677593, EP1648228, EP1233709, DE102007034132, DE102007034132, DE102005063385, DE102005048625, DE10121159, DE10121159, CN104619171, CN103596427, CN103596427, CN103402356, CN102812117, CN102160546, CN102160546, AU2015246083, AU2012216796, AU2011211050, AU2010298757, AU2009212725, AU2006312293,

Abstract:
Source: US2005147958A Compositions, methods, systems/devices and media are provided for maintaining a harvested organ in a functioning and viable state prior to implantation. The organ perfusion apparatus includes a preservation chamber for storing the organ during the preservation period. A perfusion circuit is provided having a first line for providing an oxygenated fluid to the organ, and a second line for carrying depleted fluid away from the organ. The perfusion apparatus also includes a device operably associated with the perfusion circuit for maintaining the organ at a substantially normothermic temperature.

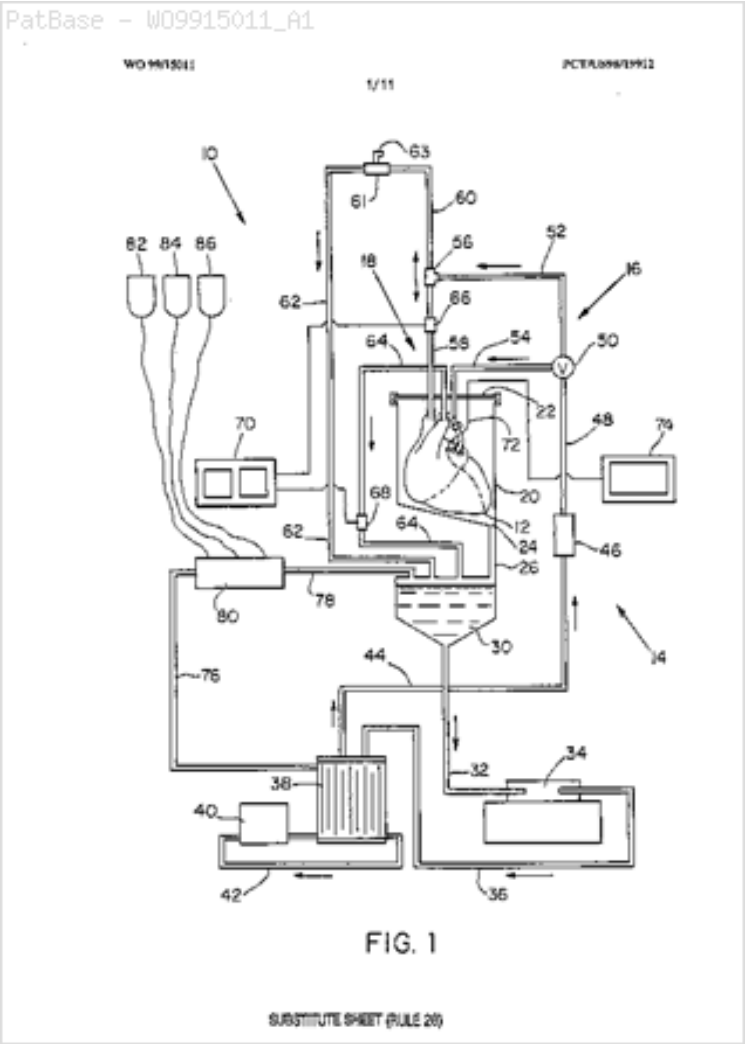


FIG. 1

SUBSTITUTE SHEET (RULE 26)

0) US2004094157A – FLOW REGULATION VENT

15) Family number: 23468877 (US2004094157A) © PatBase

Title: FLOW REGULATION VENT

Priority: EP20010271909 20011221 JP20020552627 20011221 US20000257171P 20001222
WO2001AU01658 20011221 US20010433980 20011221 US20130891237 20130510
US20030433980 20031110 US20160001521 20160120 US20160298474 20161020

Family:

Publication number	Publication date	Application number	Application date
AT532548 E	20111115	AT20010271909T	20011221
AU2002216827 AA	20020708	AU20020216827	20011221
DE60145629 D1	20120202	DE20016045629	20011221
EP1353718 A1	20031022	EP20010271909	20011221
EP1353718 A4	20060322	EP20010271909	20011221
EP1353718 B1	20111109	EP20010271909	20011221
EP2301616 A1	20110330	EP20100185006	20011221
JP2004522487 T2	20040729	JP20020552627T	20011221
JP2008264566 A2	20081106	JP20080146057	20080603
JP4818569 B2	20111116	JP20020552627T	20011221
JP4904315 B2	20120328	JP20080146057	20080603
US2004094157 AA	20040520	US20010433980	20011221
US2013239971 AA	20130919	US20130891237	20130510
US2016129214 AA	20160512	US20160001521	20160120
US2017049988 AA	20170223	US20160298474	20161020
US8439035 BB	20130514	US20010433980	20011221
US9278186 BB	20160308	US20130891237	20130510
WO02051486 A1	20020704	WO2001AU01658	20011221

Probable Assignee: RESMED LIMITED

Assignee(s):(std)**:** DANTANARAYANA MUDITHA PRADEEP ; NASR SAAD ; RESMED LTD

Assignee(s): RESMED R AND D LTD ; RESMED LTD BELLA VISTA ; RESMED (R AND D) LTD ; RESMED LIMITED ; NASAR SAAD

Inventor(s):(std)**:** DANTANARAYANA MUDITHA PRADEEP ; NASAR SAAD ; NASR SAAD ; DANTANARAYANA MUDITHA ; DANTA NARAYANA MUDITHA PRADEEP

Inventor(s): NASR SAAD BRIGHTON LE SANDS ; DANTANARAYANA MUDITHA PRADEEP CHERRYBROOK

Agent(s): VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; VOSSIUS AND PARTNER; NIXON AND VANDERHYE P C; NIXON AND VANDERHYE PC

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): A61B5/087 A61M16/00 A61M16/06 A61M16/08 A61M16/20 A62B9/02 G01F1/28 (Advanced/Invention)

International class (IPC 1–7): A61M16/20 A62B18/02 A62B18/10

CPC: A61M16/0057 A61M16/208 A61M16/06 A61B5/0876 A61M16/0633 A61M2016/0042 A61M2205/332 A61M2205/42 A61M2210/0618 G01F1/28 A61M16/0622 A61M16/0875 A61M16/0816

European class: A61B5/087H A61M16/06 A61M16/20B G01F1/28 K61M16/00A14B6 K61M16/06A7 K61M205/33F K61M205/42 K61M210/06C

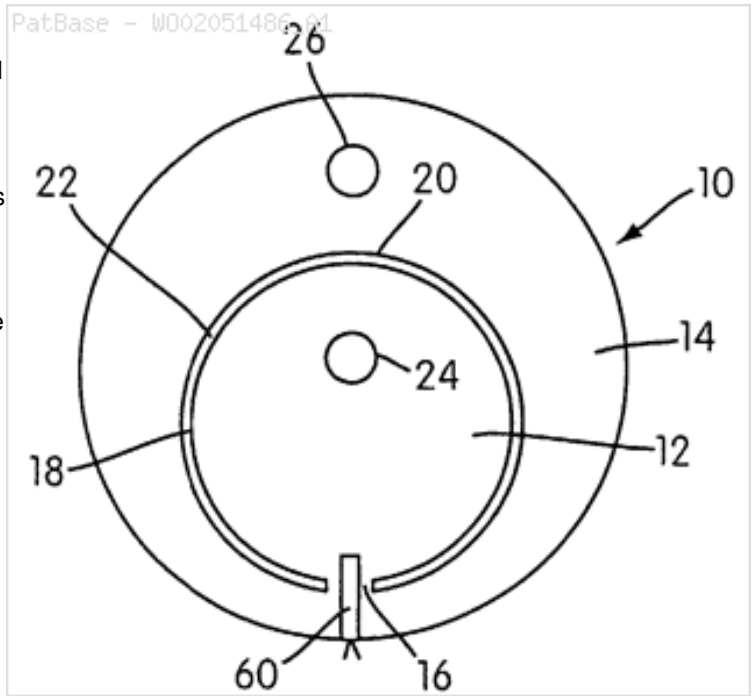
US class: 1/1 128/203.11 128/204.18 128/204.23 128/204.26 128/205.11 128/205.24 128/205.25 128/206.21 128/206.210P 128/207.12 128/207.120S

Classification Explorer

Cited documents: WO9823318 A1, WO9813318 A1, WO9705824 A1, WO9324181 A1, WO0038772 A1, US9278186 BB, US8439035 BB, US8113197 BB, US6581594 BA, US6253764 BA, US6210514 BA, US6189532 BA, US6035896 A, US6006748 A, US5970801 A, US5896857 A, US5743289 A, US5727546 A, US57090700, US5685296 A, US5657752 A, US5655898 A, US5438981 A, US5295478 A, US5285816 A, US4854574 A, US4284075 A, US4230149 A, US4009366 A, US3920274 A, US3574362 A, US3050998 A, US2004094157 AA, JPS6470119, JP9501581 T2, JP64070119 A2, JP2223822 A2, JP1070119 A2, JP1070119, GB2121185 A1, GB1555016 A, FR1457820 A, EP0710488 A1, DE4142295 A1, DE19801545 A1,

Forward Citations: WO15170285, WO15169848, WO14132057, WO14132057, WO13067592, WO12106523, WO12052906, WO11051836, WO11051836, WO10067237, WO10067237, WO07075090, WO06059161, WO06059161, WO06024249, USD766421, USD740931, USD736908, USD719254, USD717426, USD708735, USD690003, USD685462, USD675315, USD673263, USD660412, USD657863, USD651303, USD650064, USD645955, USD637284, USD614762, USD607994, USD588690, USD586458, USD585982, USD585981, USD581041, USD580048, USD572816, USD567936, USD552731, USD540941, USD515698, US9381316, US9295805, US9278186, US9259549, US9259547, US9248252, US9242061, US9174018, US9155857, US9144656, US9119931, US9072853, US9032955, US9027556, US8991395, US8967146, US8960196, US8944061, US8875710, US8851075, US8844529, US8826908, US8813745, US8746250, US8678003, US8646449, US8573208, US8550084, US8528561, US8522784, US8517024, US8517023, US8505535, US8479738, US8464715, US8448643, US8402972, US8397727, US8371301, US8276586, US8251066, US8136524, US7975692, US7967013, US7878199, US7448219, US7341056, US6900087, US2017049988, US2014366882, US2014261433, US2014166011, US2014116432, US2013306066, US2012304985, US2012247480, US2011226246, US2011214674, US2011180071, US2011056495, US2010263669, US2010170509, US2010154798, US2010147302, US2010043796, US2009260628, US2009050156, US2008168991, US2008087287, US2007267023, US2005279103, US2005172969, US2004040559, LU92448, JP2013540035, JP2013508087, JP2013163076, JP2012511370, JP2011519655, JP2009521982, JP2007512047, EP2776107, EP2332606, EP2292289, EP2027880, EP1937345, EP1841484, EP1691871, EP1610606, EP1399222, CN104271190, CN103648569, CN102725016, AU2011319492, AU2010311013,

Abstract:
Source: US2004094157A A flow regulation vent (10) for regulating flow from a pressurized gas supply includes a fixed portion (14) adapted to engage a gas supply conduit and a spring force biased movable portion (12) connected by a hinge (16) to the fixed portion and flowingly connected to the pressurized gas supply. The fixed portion includes a gas flow orifice (20). The movable portion is pivotally movable between 1) a relaxed position, whereby at a specified minimum operating pressure, the movable portion is pivoted by the spring force away from the fixed portion to a position to establish a first gas flow area between the movable portion and the gas flow orifice; and 2) a fully pressurized position, whereby at a specified maximum operating pressure, the pressurized gas offsets the spring force to pivot the movable portion to a position adjacent the fixed portion to establish a minimum gas flow area between the movable portion and the gas flow orifice. By altering characteristics of one or both of the movable portion and the fixed portion, the flow characteristics of the vent can be altered at any pressure level within a pressure operating range.



0) US2008007408A – SWITCH DETECTION DEVICE USING RFID TAG

16) Family number: 41036641 (US2008007408A) © PatBase

Title: SWITCH DETECTION DEVICE USING RFID TAG

Priority: TW20060124979 20060707 TW20060124984 20060707

Family:

Publication number	Publication date	Application number	Application date
TW200804771 A	20080116	TW20060124979	20060707
TW200804772 A	20080116	TW20060124984	20060707
TWI308208 B	20090401	TW20060124984	20060707
US2008007408 AA	20080110	US20070727569	20070327
US7737849 BB	20100615	US20070727569	20070327

Probable Assignee: CHUNG HUA UNIV

Assignee(s):(std)**:** CHUNG HUA UNIVERSITY ; WU CHIA WEN ; TIEN CHING CHENG ; LEE BORE KUEN ; HWANG CHI KUANG ; YEN MING CHING ; WANG CHIH HU ; CHUNG IN HANG ; CHEN JWU E ; CHEN TUNG CHOU ; CHIU CHIEN JUNG ; UNIV CHUNG HUA

Assignee(s): CHUNG HUA UNIV ; CHUNGHUA UNIVERSITY

Inventor(s):(std)**:** CHEN JWU E ; CHEN TUNG CHOU ; CHIU CHIEN JUNG ; CHUNG IN HANG ; HWANG CHI KUANG ; LEE BORE KUEN ; TIEN CHING CHEN ; TIEN CHING CHENG ; WANG CHIH HU ; WU CHIA WEN ; YEN MING CHING

Inventor(s): YEN, MING–CHING ; WU, CHIA–WEN ; WANG, CHIH–HU ; TIEN, CHING–CHEN ; LEE, BORE–KUEN ; HWANG, CHI–KUANG ; CHUNG, IN–HANG ; CHIU, CHIEN–JUNG ; CHEN, TUNG–CHOU ; CHEN, JWU–E ; LEE BORE KUEN AND

Agent(s): ROSENBERG KLEIN AND LEE

International class (IPC 8–9): G01D5/48 G08B13/14 G08B21/00 (Advanced/Invention) ; G08B13/14 G08B21/00 (Core/Invention)

CPC: E05Y2400/324 E05Y2900/132 E05Y2900/148 E05C3/043 E05B2047/0069 E05D11/00 E05Y2400/326

European class: E05C3/04B3 E05D11/00 P05B47/00E6C P05D11/00 P05Y400/324 P05Y400/326

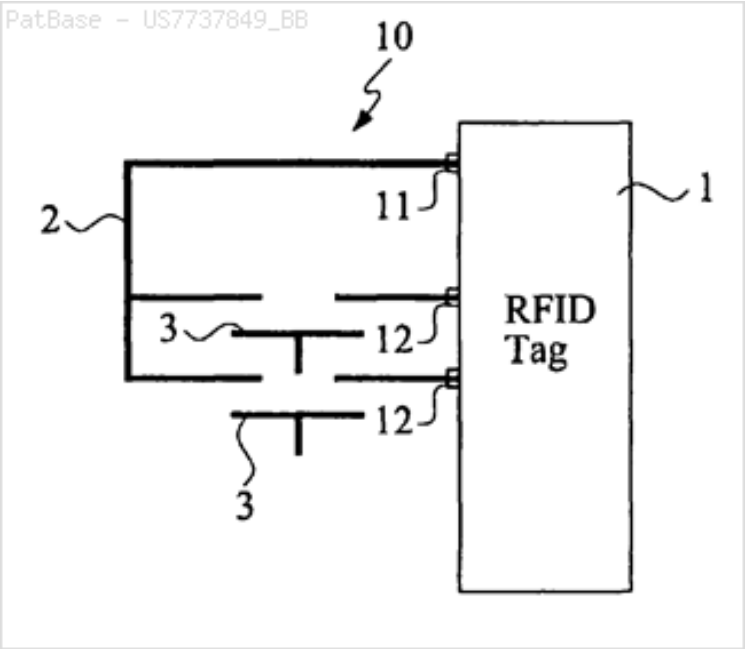
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Classification Explorer

Cited documents: US7489247 BB, US7466041 BB, US7348875 BB, US7321306 BB, US6828902 BB, US6700310 BB, US6583722 BB, US6025783 A, US2008186173 AA, US2002008632 AA, TWM282482, TW494245, TW425586, TW170031, CN1590695 A, CN1305623 A,

Forward Citations: WO11073108, US9207664, US9104951, US8892055, US8763913, US8758255, US8571486, US8400270, US2016098905, US2016042212, US2015190265, US2013162403, US2011218437, US2010304683, US2010277320, US2010097186, US2009231097, TWI444901, KR101313432, FR2954548, AU2010333099,

Abstract:
Source: US2008007408A A switch detection device using RFID tags is disclosed. The switch detection device includes a RFID tag, a conducting circuit loop and a switch connected to the conducting circuit loop to form a control circuit. The switch is controlled to turn on or off, leading to the closing or opening of the control circuit. The RFID tag detects the state of the conducting circuit loop and transmits a signal representing the opened/closed state to a RFID reader. The switch detection device is incorporated to a turning operation mechanism which includes a lever lock assembly, a deadbolt lock assembly, a window sash lock assembly, an odometer wheel, a hinge provided with a first hinge member and a second hinge member interconnected by a central axle, a door closer, a water faucet, a rotatable switch, or a rotatable lock.



0) DE202013102553U1 – ULTRASCHALL–DURCHFLUSSMESSGERAET SONIC FLOWMET...

17) Family number: 56941658 (DE202013102553U1) © PatBase

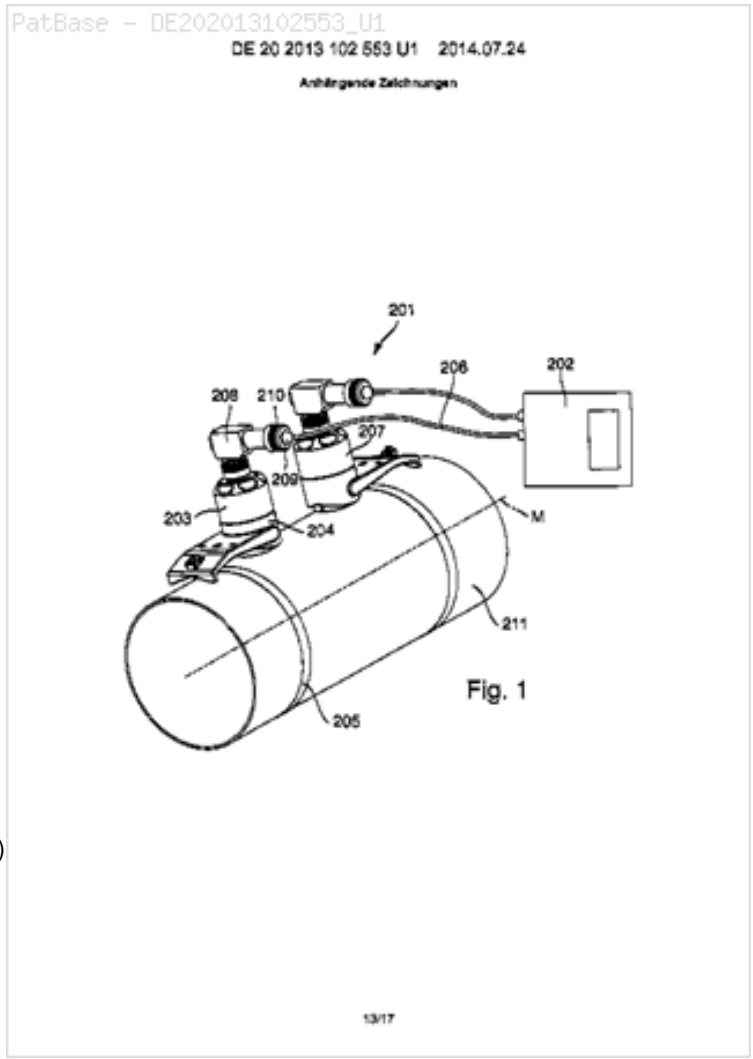
Title:	ULTRASCHALL–DURCHFLUSSMESSGERAET Sonic flowmeter (Machine translation)
Priority:	DE201320102553U 20130614

Family:

Publication number	Publication date	Application number	Application date
DE202013102553 U1	20140724	DE201320102553U	20130614

Probable Assignee:	FLOWTEC AG
Assignee(s):(std):	FLOWTEC AG
Assignee(s):	ENDRESS AND HAUSER FLOWTEC AG
International class (IPC 8–9):	G01F1/66 H01R4/00 (Advanced/Invention)
CPC:	H01R24/38 H01R35/02 H01R2103/00 G01F1/662 G01F15/185
Classification Explorer	
Cited documents:	US2013180340 AA, US2011314932 AA, US2011162462 AA, US2010313676 AA, JP2012038438 A2, DE8714327 U, DD153285 A1,
Forward Citations:	DE102014116236,

Abstract:
Source: DE202013102553U1
Ultraschall–Durchflussmessgeraet umfassend zumindest einen Ultraschallwandler (203, 207), zumindest einen Transmitter (202), sowie ein Anschlusskabel (206) zur Signalleitung und/oder Energieversorgung zwischen dem Ultraschallwandler (203, 207) und dem Transmitter (202), wobei das Anschlusskabel (206) ein erstes Steckverbindungselement (209) aufweist, welches geeignet ist zur Festlegung und Kontaktierung des Anschlusskabels (206) mit dem Ultraschallwandler (203, 207); wobei der Ultraschallwandler (203, 207) ein zweites Steckverbindungselement aufweist, welche geeignet ist zur Kopplung des ersten Steckverbindungselements (209) des Anschlusskabels (206), dadurch gekennzeichnet, dass mit dem zweiten Steckverbindungselement des Ultraschallwandlers (203, 207) ein drittes Steckverbindungselement des Winkelsteckers (1, 31, 71, 208) gekoppelt ist, welcher Winkelstecker (1, 31, 71, 208) ein viertes Steckverbindungselement (2, 32, 72) aufweist, welches geeignet ist zur Kopplung des ersten Steckverbindungselements (209) des Anschlusskabels (206). Ultrasonic flowmeter comprising at least one ultrasonic transducer (203, 207), at least one transmitter (202), and a connecting cable (206) to the signal line and / or power supply between the ultrasound transducer (203, 207) and the transmitter (202) wherein the cable (206) having a first connector element (209), which is suitable for establishing contact between the connector and the cable (206) to the ultrasonic transducer (203, 207); wherein the ultrasonic transducer (203, 207) comprises a second connector element, which is suitable for coupling the first connector element (209) of the connecting cable (206), characterized in



that the second connector element of the ultrasonic transducer (203, 207) is a third plug connection element of the angle connector coupled (1, 31, 71, 208), which angular connector (1, 31, 71, 208) a fourth connector element (2, 32, 72), which is suitable for coupling the first connector element (209) of the connecting cable (206).

18) Family number: 30756299 (US2004150518A) © PatBase

Title: METHODS, SYSTEMS AND APPARATUS FOR PROVIDING URGENT PUBLIC INFORMATION

Priority:

US20030356338 20030131 US20030356364 20030131 US20030356688 20030131
US20030377282 20030227 US20030377283 20030227 US20030377281 20030227
US20030377280 20030227 US20030367596 20030214 US20030367597 20030214
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Family:

Publication number	Publication date	Application number	Application date
US2004150518 AA	20040805	US20030676418	20030930
US2004150748 AA	20040805	US20030377281	20030227
US2004150749 AA	20040805	US20030377282	20030227
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Assignee(s): CENTURYLINK INTELLECTUAL PROPERTY LLC ; QWEST COMMUNICATIONS INT INC PATENT PROSECUTION ; QWEST COMMUNICATIONS INTERNATINAL INC ; QWEST COMMUNICATIONS INTERNATINAL INC (PATENT PROSECUTION) ; QWEST COMMUNICATIONS INTERNATINAL INC PATENT PROSECUTION ; QWEST COMMUNICATIONS INT INC (PATENT PROSECUTION) ; QWEST COMMUNICATION INT INC ; QWEST COMMUNICATIONS INT ; QUEST COMMUNICATIONS INT ; ORACLE INT CORP ; QWEST COMMUNCIATIONS INT ; QUEST COMMUNICATIONS INT INC ; QWEST COMMUNCIATIONS INT INC

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International class (IPC 8–9)**:** A61B5/00 G01R21/00 G01R21/06 G01R31/08 G06F11/00 G06F12/14 G06F15/16 G06F17/30 G06F21/00 G06F3/01 G08B1/00 G08B23/00 G08B27/00 G08B9/00

G08C15/00 G08C15/06 G08C19/00 H02B1/26 H04B1/38 H04B10/25 H04B10/2575 H04B10/80 H04B3/54 H04H1/00 H04H20/28 H04J1/00 H04J1/16 H04J3/14 H04J3/16 H04J3/22 H04L1/00 H04L12/26 H04L12/28 H04L12/46 H04L12/54 H04L12/56 H04L12/58 H04L12/66 H04L12/931 H04L29/06 H04L9/32 H04M11/00 H04M11/04 H04M3/00 H04M3/42 H04M7/00 H04M9/00 H04N21/2343 H04N21/235 H04N21/238 H04N21/41 H04N21/4223 H04N21/431 H04N21/435 H04N21/4363 H04N21/462 H04N21/478 H04N21/4782 H04N21/488 H04N21/61 H04N21/6377 H04N21/643 H04N21/658 H04N21/6587 H04N5/445 H04N5/45 H04N7/025 H04N7/10 H04N7/14 H04N7/173 H04N7/18 H04N7/24 H04N9/64 H04Q11/00 H04Q7/20 H04Q7/22 H04Q7/38 H04W4/22 (Advanced/Invention);
H04L12/58 H04N7/00 H04N7/10 H04N7/16 H04N7/173 (Advanced/Non–invention);
G06F12/14 G08B27/00 G08C15/00 H04H1/00 H04L29/06 H04M11/00 H04M3/00 H04N5/445 H04N5/45 H04N7/14 H04N7/24 H04N9/64 H04Q7/22 (Core/Invention);
H04L12/58 H04N7/16 H04N7/173 (Core/Non–invention)

International class (IPC 1–7): G06F12/14 G06F15/00 G06F15/16 G06F15/177 G06F3/00 G08B23/00 G09G5/02 H04B1/38 H04L12/50 H04L12/56 H04L12/66 H04L9/32 H04M11/00 H04M3/00 H04M3/42 H04N11/00 H04N5/45 H04N7/12 H04N7/16 H04N7/173 H04N7/18 H04N9/68 H04N9/79

CPC: H04N9/641 H04N21/4113 H04N21/47 Y10S128/903 Y10S128/92 Y02B90/246 Y04S20/42 H04L9/3263 H04L2209/60 H04L2209/80 H04B3/546 H04B2203/5433 H04B2203/5445 H04B2203/5458 H04L12/2825 H04L12/2856 H04L2012/2843 H04M11/002 H04M11/062 Y02B90/242 Y04S20/322 H04L63/08 H04L63/12 H04L65/4076 H04L65/4084 H04L65/605 H04L65/80 H04L12/58 H04W4/22 G01D4/004 H04L67/12 H04B10/808 H04N21/64322 H04N21/6143 H04N21/238 H04N7/22 H04W88/08 H04N21/222 H04B10/25752 H04L29/06027 H04L65/1026 H04L65/1036 H04N21/6125 H04L12/2834 H04L49/20 H04B3/542 G08B27/00 G08B27/006 G06F3/00 G06F15/16 G06F15/177 H04N7/18 H04M11/00 H04L63/02 H04M3/005 G06F19/3418 G08B27/005 H04N5/44513 G08B27/008 H04N5/45 H04N7/108 H04N7/141 H04N7/106 H04N21/43632 H04N21/4782 H04N2007/1739 H04N21/478 H04N21/234363 H04N21/235 H04N21/4122 H04N21/4223 H04N21/4316 H04N21/435 H04N21/4622 H04N21/4886 H04N21/6377 H04N21/658 H04N21/6587

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US class: 1/1 128/903 128/920 340/286.02 340/286.020P 340/500 340/500P 340/531 340/531S 340/6.1 340/7.1 340/7.42 340/7.45 340/7.48 340/71 340/74.2 340/74.5 340/74.8 340/825.36 340/870.02 340/870.020P 345/603 345/603S 345/718 348/446 348/446S 348/473 348/552 348/552S 348/565 348/565P 348/584 348/584P 348/E05.102 348/E05.112 348/E07.05 348/E07.069 348/E07.078 348/E5.102 348/E5.105 348/E5.112 348/E51.02 348/E51.02S 348/E51.05S 348/E51.12 348/E51.12S 348/E7.05 348/E7.069 348/E7.078 348/E70.5 348/E70.50S 348/E70.69 348/E70.69S 348/E70.78 348/E70.78S 348/E9.039 348/E90.39S 370/230 370/235 370/249 370/252 370/352 370/352P 370/352S 370/359 370/359P 370/395.5 370/401 370/401S 370/412 370/429 370/468 370/480 370/485 370/485P 370/486 375/222 375/222S 375/240.01 375/240.010S 375/E07.016 375/E07.024 375/E7.016 375/E7.024 375/E70.16 375/E70.16S 375/E70.24 375/E70.24S 379/106.04 379/106.1 379/106.11 379/142.01 379/201.05 379/220.01 379/372 379/399.01 379/413.02 379/413.03 379/413.04 379/90.01 379/90.010S 379/93.05 379/93.050P 379/93.050S 379/93.06 379/93.07 379/93.13 379/93.130S 398/116 398/67 455/3.01 455/3.03 455/30.1 455/30.3 455/403 455/404.1 455/404.100P 455/404.2 455/412.1 455/414.1 455/414.100S 455/418 455/418P 455/422.1 455/500 455/521 455/567 455/567P 600/300 600/300S 702/188 702/188P 709/203 709/203S 709/217 709/219 709/219P 709/221 709/221S 709/223 709/249 709/249P 709/250 709/250P 713/201 715/718 715/718P 715/736 715/736S 725/106 725/110 725/110P 725/111 725/111S 725/116 725/119 725/119P 725/119S 725/12 725/120 725/120P 725/120S 725/126 725/126S 725/127 725/127S 725/129 725/129S 725/131 725/131S 725/133 725/14 725/140 725/140S 725/141 725/147 725/149 725/153 725/33 725/35 725/38 725/38S 725/66 725/66S 725/70 725/78 725/8 725/80 725/80S 725/81 725/82 725/85 725/95 725/95P 725/96 725/96S 726/10 726/10P 726/2 726/2P 726/3 726/3P 726/4 726/4S 726/8

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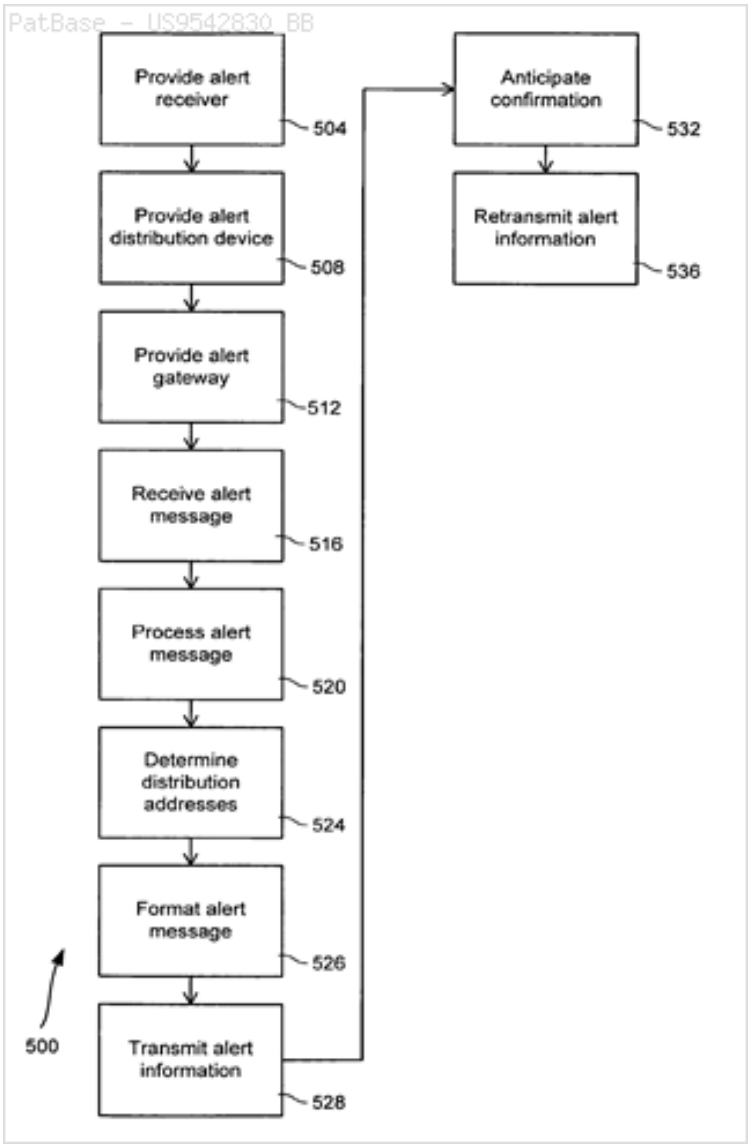
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Abstract:
Source: US2004150518A Embodiments of the invention provide systems and methods for distributing urgent public information. For example, one exemplary of the invention provides a method for providing an alert to a subscriber. The exemplary method comprises receiving an alert message from at least one alert source. The alert message often will be pertinent to at least one of the subscribers. The alert message can comprise an alert and associated alert information. The alert information can provide information about the alert such that the information can be analyzed determine whether a particular subscriber likely should receive the alert. Other embodiments provide systems, which can be used to perform the methods of the invention.



0) AU2013266864A – APPARATUS FOR INFUSING FLUID

19) Family number: 60886387 (AU2013266864A) © PatBase

Title: Apparatus for infusing fluid

Priority:

AU20120358221	20121221	AU20120358397	20121221	US20120723238	20121221
US20120723235	20121221	US20120679117P	20120803	US20120651322P	20120524
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WO2013US32445	20130315	WO2012US71490	20121221	WO2012US71142	20121221

Family:

Publication number	Publication date	Application number	Application date
AU2013266864 AA	20131128	AU20130266864	20130315

Probable Assignee: DEKA PRODUCTS LP

Assignee(s):(std)**:** DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s):(std)**:** GRAY LARRY B ; KAMEN DEAN ; KERWIN JOHN M ; LANGENFELD CHRISTOPHER C ; MERWE DIRK A VAN D ; MURPHY COLIN H ; NORRIS MICHAEL G ; PARKER JONATHAN ; PAWLOWSKI DANIEL F ; PLACE MICHAEL S ; SABIN ERIK N ; SLATE MICHAEL J ; THERRIEN ALEXANDER R ; BAIER MICHAEL J ; BIASI JOHN J ; BLUMBERG DAVID

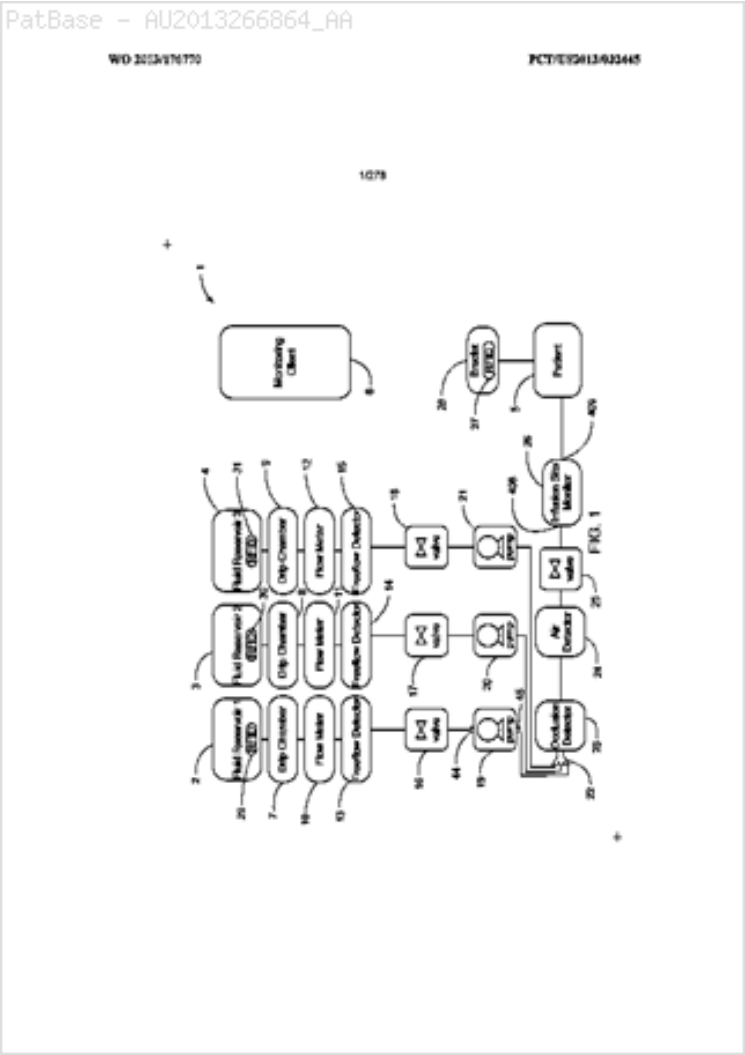
Inventor(s): BLUMBERG JR DAVID

Agent(s): GRIFFITH HACK

International class (IPC 8–9): A61M5/142 A61M5/168 (Advanced/Invention)

Classification Explorer

Abstract:
Source: AU2013266864A A pump for pumping fluid includes a tube platen, a plunger, a bias member, inlet and outlet valves, an actuator mechanism, a position sensor, and a processor. The plunger is configured for actuation toward and away from the infusion−tube when the tube platen is disposed opposite to the plunger. The tube platen can hold an intravenous infusion tube. The bias member is configured to urge the plunger toward the tube platen.



0) CO7160092A – APARATO PARA FLUIDO DE INFUSION APPARATUS FOR ...

20) Family number: 60886395 (CO7160092A) © PatBase

Title: APARATO PARA FLUIDO DE INFUSION APPARATUS FOR FLUID INFUSION (Machine translation)

Priority:

US20120651322P	20120524	US20120679117P	20120803	US20120723238	20121221
US20120723242	20121221	US20120723235	20121221	US20120723239	20121221
WO2012US71131	20121221	US20120723253	20121221	US20120723251	20121221
US20120725790	20121221	US20120723244	20121221	US20120724568	20121221
WO2012US71112	20121221	WO2012US71142	20121221	WO2012US71490	20121221

Family:

Publication number	Publication date	Application number	Application date
CO7160092 A2	20150115	CO20140283126	20141224

Probable Assignee: DEKA PRODUCTS LP

Assignee(s):(std)**:** DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s):(std)**:** BAIER MICHAEL J ; BIASI JOHN J ; BLUMBERG DAVID ; GRAY LARRY B ; KAMEN DEAN ; KERWIN JOHN M ; LANGENFELD CHRISTOPHER C ; MERWE DIRK A VAN D ; MURPHY COLIN H ; NORRIS MICHAEL G ; PARKER JONATHAN ; PAWLOWSKI DANIEL F ; PLACE MICHAEL S ; SABIN ERIK N ; SLATE MICHAEL J ; THERRIEN ALEXANDER R

International class (IPC 8–9): A61M5/142 A61M5/168 (Advanced/Invention)

CPC: A61M5/142 A61M5/14216 A61M5/168 A61M5/16831 A61M2005/16868 A61M2205/18 A61M2205/3306 A61M2205/50 A61M2205/502

Classification Explorer

Abstract:
Source: CO7160092A Una bomba para bombear fluido incluye un tubo de platina, un embolo, un miembro valvulas de sesgo, de entrada y salida, un mecanismo actuador, un sensor de posiciones, y un procesador. El embolo esta configurado para el accionamiento hacia y desde el tubo de infusion cuando el tubo de platina este dispuestoopuesto al embolo.El tubo de platina puede sostener un tubo de infusion intravenosa. El elemento de empuje esta configurado para instar el embolo hacia el tubo de platina. El procesador esta configurado para detectar una anomalia en el tubo utilizando datos de un sensor de posicion de la posicion del embolo. A pump for pumping fluid includes a tube plate, a plunger a valve member bias, input and output, an actuator mechanism, a position sensor, and a processor. The plunger is configured to drive to and from the infusion tube when this tube plate embolo.El dispuestoopuesto the tube plate can hold a tube of intravenous infusion. The pushing member is configured to urge the plunger towards the tube plate. The processor is configured to detect an anomaly in the pipe using data from a sensor position of the piston position.

0) US2012126027A – GARDEN WATERING DEVICE

21) Family number: 49120318 (US2012126027A) © PatBase

Title: GARDEN WATERING DEVICE

Priority: US20090287519P 20091217 US20090287524P 20091217 US20110184325 20110715 US20090287537P 20091217 US20100364680P 20100715 US20110449362P 20110304 US20120526361 20120618 WO2010US61063 20101217 US20110498411P 20110617 US20130962560 20130808 US20120411119 20120302 US20120681059P 20120808 US20140570205 20141215 US20160234622 20160811

Family:

Publication number	Publication date	Application number	Application date
AU2010330818 AA	20110623	AU20100330818	20101217
CA2784923 AA	20110623	CA20102784923	20101217
EP2512689 A1	20121024	EP20100838300	20101217
EP2512689 A4	20130529	EP20100838300	20101217
EP2512689 B1	20170201	EP20100838300	20101217
US2012126027 AA	20120524	US20110184325	20110715
US2013037624 AA	20130214	US20120526361	20120618
US2014069506 AA	20140313	US20130962560	20130808
US2015097059 AA	20150409	US20140570205	20141215
US2016345515 AA	20161201	US20160234622	20160811
US8910887 BB	20141216	US20110184325	20110715
WO11075660 A1	20110623	WO2010US61063	20101217

Probable Assignee: PARTNERS IN INNOVATION LTD

Assignee(s):(std)**:** ABINITIO WATERING LLC ; AHR ANDREW ; ANDROSKI ALEX ; ASQUITH JOHN ; KELLER MATTHEW ; HELMSDERFER JOHN ; JEFFERS NICHOLAS ; COULTER TOM ; MAGGARD NOTHAN ; DEROS YANI ; MAGGARD NATHAN ; HELMSDERFER JOHN A ; PARTNERS IN INNOVATION LTD ; PARTNERS IN INNOVATION LTD LLC ; OVANS CRAIG ; PARTNERS IN INNOVATION LTD LTD

Assignee(s): PARTNERS IN INNOVATION LLC LTD ; PARTNERS IN INNOVATION LIMITED LLC

Inventor(s):(std)**:** DEROS YANI ; HELMSDERFER JOHN A ; MAGGARD NATHAN ; OVANS CRAIG ; MAGGARD NOTHAN ; KELLER MATTHEW ; JEFFERS NICHOLAS ; HELMSDERFER JOHN ; COULTER TOM ; ASQUITH JOHN ; ANDROSKI ALEX ; AHR ANDREW

Agent(s): SPRUSON AND FERGUSON; MACRAE AND CO; FINDLAY ALICE ROSEMARY; WOOD HERRON AND EVANS LLP; FITZGERALD DAVID A 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): A01G25/00 A01G25/16 B05B1/02 B05B1/12 B05B1/14 B05B1/16 B05B1/18 B05B1/30 B05B15/00 B05B15/06 B05B17/00 B05B3/04 (Advanced/Invention); B05B3/04 (Advanced/Non–invention)

CPC: B05B1/14 B05B1/18 B05B3/0422 B05B15/066 A01G25/165 B05B3/0431 Y10T137/0318 Y10T137/86389 B05B1/1654 B05B1/3006 B05B3/0409 B05B15/062 B05B1/02 B05B1/16 B05B3/04 B05B15/063 B05B15/069

European class: B05B1/02 B05B1/14 B05B1/16 B05B1/16B3B2 B05B1/18 B05B15/06A2 B05B15/06B1 B05B15/06B4 B05B3/04C2H L05B3/04

US class: 137/1 137/624.11 239/200 239/200P 239/280 239/289 239/393 239/397 239/436 239/436S 239/438 239/444 239/446 239/66 239/69

Classification Explorer

Cited documents: WO11075660 A1, USD536062 S1, US941109 A, US924519 A, US7866333 BB, US7779852 BB, US7448558 BB, US7252246 BB, US7140561 BB, US7028984 BB,

US6712294 BA, US6708722 BA, US6663022 BA, US6619570 BA, US6554209 BB, US6491062 BA, US6398185 BA, US6123272 A, US5947388 A, US5337957 A, US5305956 A, US5174501 A, US5160093 A, US4903897 A, US4708291 A, US4421276 A, US4347981 A, US4130135 A, US3630450 A, US3354730 A, US3332624 A, US3115305 A, US2770826 A, US2620232 A, US2053931 A, US2013037624 AA, US2012223153 AA, US2012126027 AA, US2012036091 AA, US2009293189 AA, US2008111001 AA, US2008006716 AA, US2007290071 AA, US2006214023 AA, US2005242210 AA, US2004222320 AA, US2002074428 AA, US1612326 A, US1566232 A, US1168219 A, US1078817 A, US1058189 A, US1031176 A, US1026742 A, US1007657 A, EP0826427 A2,

Forward Citations: USD739360, USD700275, USD689592, US9597699, US9506785, US9339828, US8910887, GB2518692, GB2470800,

Abstract:
Source: US2012126027A A multi–purpose watering device that operates as a handheld device and ground based watering device. The device consists of a long handle leading to a turret sprinkler with water distribution on at least two sides. One side is used in a ground based position to water small to medium area lawns and the other is used for watering when the device is used in a held position. A valve on the turret face allows the operator to switch select which will distribute water. The device also contains a rotating sprinkler head suited for watering of large areas. When the rotating head is actuated, water is redirected from the turret head to the rotating head.

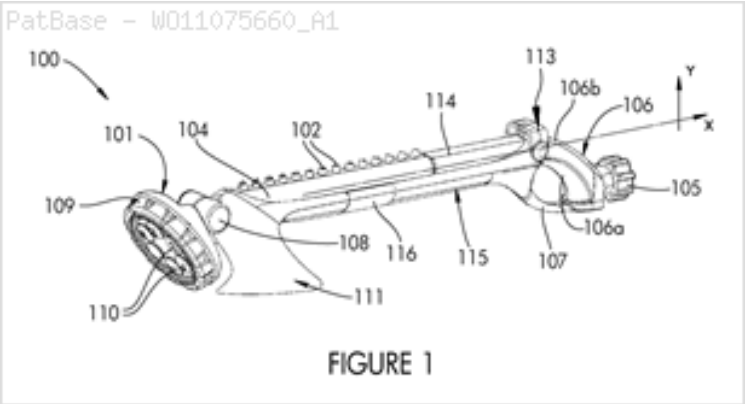


FIGURE 1

0) US2003150453A – INHALATION DEVICE AND METHOD

22) Family number: 29125605 (US2003150453A) © PatBase

Title: INHALATION DEVICE AND METHOD

Priority: EP20020807120 20021010 US20010835302 20010416 US20040771525 20040205 US20040771551 20040205 US20020268059 20021010 US20040771447 20040205 WO2002US32264 20021010 WO2002US08298 20020320 US20060512197 20060830

Family:

Publication number	Publication date	Application number	Application date
AT316397 E	20060215	AT20020725229T	20020320
AT394136 E	20080515	AT20020807120T	20021010
AU2002255808 AA	20021028	AU20020255808	20020320
AU2002255808 BB	20070802	AU20020255808	20020320
AU2002334929 AA	20031008	AU20020334929	20021010
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CA2444129 C	20080108	CA20022444129	20020320
CA2477653 AA	20040830	CA20022477653	20021010
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CY1108214 T1	20140212	CY20081100777T	20080728
DE60208891 D1	20060413	DE20026008891	20020320
DE60208891 T2	20061005	DE20026008891T	20020320
DE60226509 D1	20080619	DE20026026509	20021010
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DK1485154 T3	20080804	DK20020807120T	20021010
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EP1381416 B1	20060125	EP20020725229	20020320
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ES2256467 T3	20060716	ES20020725229T	20020320
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HK1061658 A1	20060908	HK20040104704	20040630
HK1061658 A3	20040930	HK20040104704	20040630
IL158357 A0	20040512	IL20020158357	20020320
IL158357 A1	20130228	IL20020158357	20020320
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JP2006508699 T2	20060316	JP20030577987T	20021010
JP4897198 B2	20120314	JP20030577987T	20021010
MXPA03009412 A1	20050307	MX2003PA09412	20020320
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PL204303 B1	20091231	PL20020374794	20020320
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PT1485154 T	20080617	PT20020807120T	20021010
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US2004011360 AA	20040122	US20010835302	20010416
US2004154618 AA	20040812	US20040771447	20040205
US2004154619 AA	20040812	US20040771551	20040205
US2004216738 AA	20041104	US20040771525	20040205

US2006283448 AA	20061221	US20060512197	20060830	
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US6766799 BB	20040727	US20010835302	20010416	
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WO03080163 A1	20031002	WO2002US32264	20021010	

Probable Assignee: CORREGIDOR THERAPEUTICS INC

Assignee(s):(std)**:** CIVITAS THERAPEUTICS INC ; ALKERMES ; ALKERMES INC ; ADVANCED INHALATION RES ; ADVANCED INHALATION RES INC

Assignee(s): ADVANCED INHALATION RESEARCH INC ; CORREGIDOR THERAPEUTICS INC ; EDWARDS DAVID ; DUNBAR CRAIG ; DELONG MARK ; DREESEN SARAH ; COKER TIM ; FOSHEE DAVID L ; DURKIN JASON R ; CONLON COLLEEN ; COKER TIMOTHY B ; STAPLETON KEVIN ; PENACHIO ERNEST E ; WOLFF MARK ; MCMANUS RYAN ; SAUNDERS MARGARET MILLAR ; ZIEGLER ANDREW ; SPALLER ROBERT W ; JONES ANDREW

Inventor(s):(std)**:** COKER TIMOTHY B ; DELONG MARK ; DREESEN SARAH ; DURKIN JASON R ; EDWARDS DAVID ; ELLWANGER COLLEEN ; FOSHEE DAVID L ; CONLON COLLEEN ; JONES ANDREW ; MCMANUS RYAN ; ZIEGLER ANDREW ; WOLFF MARK ; STEPLETON KEVIN ; SPALLER ROBERT ; SAUNDERS MARGARET ; PENACHIO ERNEST E ; PENACHIO E ; MARK WOLFF ; FOSHEE DAVID ; SAUNDERS MARGARET MILLAR ; SPALLER ROBERT W ; STAPLETON KEVIN ; DURKIN JASON ; DUNBAR CRAIG ; COKER TIMOTHY ; MCMAMUS RYAN ; KEVIN STAPLETON ; COKER TIM

Inventor(s): CRAIG DUNBAR ; RYAN MCMAMUS ; COLLEEN ELLWANGER ; TIMOTHY B COKER ; ERNEST E PENACHIO ; PENACHIO ERNEST ; ROBERT W SPALLER ; RYAN MCMANUS ; SARAH DREESEN ; MARGARET MILLAR SAUNDERS ; MARK DELONG ; DAVID EDWARDS ; DAVID L FOSHEE ; JASON R DURKIN ; COLLEEN CONLON ; ANDREW JONES ; ANDREW ZIEGLER

Agent(s): PETER MAXWELL AND ASSOCIATES; SMART AND BIGGAR; LEE NICHOLAS JOHN ET AL; LUZZATTO AND LUZZATTO; COVINGTON AND BURLING LLP, ATTN: PATENT DOCKETING; COVINGTON AND BURLING LLP ATTN PATENT DOCKETING; ANDREA G; COVINGTON AND BURLING 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 UZ VC VN YU ZA ZM ZW

International class (IPC 8–9): A61M13/00 A61M15/00 A61M15/08 A61M16/00 A61M16/10 B05D7/14 B65D83/00 B65D83/06 (Advanced/Invention); A61M13/00 A61M15/00 B65D83/00 B65D83/06 (Core/Invention)

International class (IPC 1–7): A61M15/00 A61M15/00 A61M15/08 A61M16/00 B05D7/14

CPC: A61M11/003 A61M15/0033 A61M15/0035 A61M15/0041 A61M15/0028 A61M2202/064

European class: A61M15/00C K61M11/00A2 K61M15/00C1P K61M15/00C1P1 K61M15/00C1P4 K61M202/06B

US class: 128/203.12 128/203.120S 128/203.15 128/203.150P 128/203.150S 128/203.19 128/203.21 128/203.210P 128/203.210S

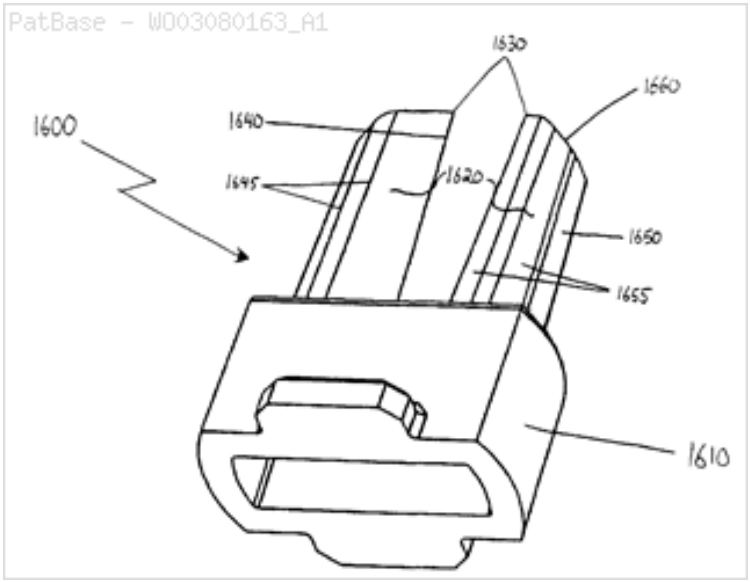
Classification Explorer

Cited documents: WO9408552 A2, WO0107107 A2, WO0064519 A1, US7278425 BB, US7146978 BB, US6858199, US6766799 BB, US6766799 BA, US6761161 BB, US6732732 BB, US6732732 BA, US6729330 BB, US6705313 BB, US6705313 BA, US6685294 BB, US6615826 BA, US6575160 BA, US6543448 BA, US6443152 BA, US6390291 BA, US6367473 BA, US6336453 BA, US6332461 BA, US6328037 BA, US6298846 BA, US6286507 BA, US6273085 BA, US6240918 BA, US6237590 BA, US6187269 BA, US6142145 A, US6136295, US6119853 B1, US6119853 B1, US6119853 A, US6116238 B1, US6116238 A, US6116237 B1, US6116237 A, US6105574 B1, US6105574 B1, US6105574 A, US6102035 A, US6098619 A, US6092522 B1, US6092522 A, US6089228 A, US6076521 A, US6065472 B1, US6065472 B1, US6065472 A, US5985309,

US5921237 A, US5921236 A, US5918594 B1, US5918594 B1, US5918594 A, US5896855 B1, US5896855 A, US5874064, US5860419 A, US5855913, US5829434 A, US5810004 A, US5797391 A, US5787881 B1, US5787881 B1, US5787881 A, US5785049 A, US5740794 A, US5727546 A, US5699789 B1, US5699789 B1, US5699789 A, US5685294 A, US5676683 A, US5673686 B1, US5673686 A, US5660169 B1, US5660169 B1, US5660169 A, US5651359 A, US5647349 A, US5617845 B1, US5617845 B1, US5617845 A, US5595175 B1, US5595175 A, US5575280 B1, US5575280 B1, US5575280 A, US5533505 B1, US5533505 B1, US5533505 A, US5524613 A, US5507281 B1, US5507281 B1, US5507281 A, US5458135 A, US5437271 B1, US5437271 B1, US5437271 A, US5421482 A, US5379763 A, US5349947 A, US5314417 A, US5301666 B1, US5301666 A, US5267965 A, US5239992 B1, US5239992 A, US5239991 B1, US5239991 B1, US5239991 A, US5152284 B1, US5152284 A, US5042472 B1, US5042472 B1, US5042472 A, US4995385 B1, US4995385 A, US4995285 A, US4955285 A, US4889114 B1, US4889114 A, US4860740 A, US4846168 A, US4841964 B1, US4841964 B1, US4841964 A, US4617929 A, US4338931 A, US4240418 A, US4192309 A, US4105027 B1, US4105027 A, US4069819 B1, US4069819 A, US4069228 A, US4013075 A, US3906950 A, US3888253 B1, US3888253 A, US3837341 B1, US3837341 A, US3795244 B1, US3795244 A, US3752027 A, US3669113 B1, US3669113 A, US3635219 B1, US3635219 A, US3518992 A, US3425414 A, US2005056281 AA, US2005051166 AA, US2005022812 AA, US2004154619 AA, US2003094173 AA, US2002020067 AA, EP1062962 A1, EP0506292 A1, EP0407276 A2, EP0388621 A1, CA2020425 AA, AU2002255808 BB, AU2002255808 B2,

Forward Citations: WO16179026, WO16073836, WO15105895, WO14150826, WO14089174, WO14089018, WO14089018, WO11032883, WO09091780, WO08156586, WO08156586, WO08072956, WO07011396, WO06108877, WO06108877, WO05120615, WO04091707, WO04091707, WO04052435, USD755367, USD752734, USD752204, USD635241, USD631538, USD605752, USD518569, USD516211, US9592354, US9539211, US9511198, US9492625, US9468728, US9446197, US9446133, US9446001, US9433576, US9393372, US9387169, US9364619, US9364436, US9358352, US9346766, US9339615, US9289564, US9283193, US9265901, US9248076, US9242057, US9241903, US9238005, US9233159, US9233158, US9220687, US9192675, US9179691, US9168343, US9155732, US9119778, US9061352, US9032953, US8992983, US8974828, US8973784, US8944285, US8912193, US8887715, US8869794, US8869735, US8846607, US8834930, US8683995, US8677992, US8662078, US8662075, US8651104, US8636001, US8596265, US8578934, US8561609, US8513204, US8505773, US8499757, US8496002, US8485180, US8464712, US8454939, US8434477, US8424518, US8404217, US8377009, US8360057, US8327847, US8235039, US8181591, US8157128, US8141550, US8082873, US8079362, US8074643, US8074594, US8069851, US7984826, US7963089, US7954491, US7886934, US7832399, US7757688, US7743945, US7669597, US7658721, US7650883, US7621273, US7597102, US7584712, US7575130, US7568481, US7559325, US7543582, US7516738, US7341057, US7326691, US7284553, US7284552, US7146978, US7100530, US7032594, US7032593, US7004164, US6997349, US6938796, US6926002, US2014007874, US2013306069, US2012247463, US2012111325, US2011259328, US2011220106, US2010108062, US2009260623, US2009090362, US2009071108, US2009025721, US2008283439, US2008233199, US2008213373, US2008210228, US2008177246, US2008063722, US2008047550, US2007221216, US2007123449, US2007051362, US2006283448, US2006180144, US2006134009, US2006129460, US2006105051, US2006021616, US2005155601, US2005150492, US2005022812, US2005000518, US2004216738, US2004206350, US2004154618, US2004060557, US2003150454, US2003000523, US2002108611, NL1033047, KR101066737, JP4887356, JP2011509772, JP2009527300, JP2009515624, JP2008535601, EP3090773, EP3090773, EP1635762, EA013272, AU2006234339, AU2002334929, AU2002334929, AU2002334929,

Abstract:
Source: US2003150453A Inhalation device and associated method for facilitating inhalation by a patient of powder medicaments contained in a receptacle. The inhalation device has a chamber for receiving the receptacle. A ring is circumferentially coupled to an inner surface of the chamber to achieve a higher reproducible emitted dose of medicament from the receptacle. The inhalation device also includes an improved implement for puncturing the receptacle, requiring less force and experiencing fewer failures. The inhalation device also includes a means for indicating readiness.



0) US2014051908A – HEMODYNAMIC ASSIST DEVICE

23) Family number: 54554675 (US2014051908A) © PatBase

Title: HEMODYNAMIC ASSIST DEVICE

Priority: US20120595953P 20120207 US20130761544 20130207 WO2013US25056 20130207 US20160097044 20160412

Family:

Publication number	Publication date	Application number	Application date
AU2013217061 AA	20130815	AU20130217061	20130207
CA2863234 AA	20140729	CA20132863234	20130207
CN104185481 A	20141203	CN201380008489	20130207
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EP2812044 A2	20141217	EP20130746541	20130207
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HK1204587 A1	20151127	HK20150105221	20150601
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Probable Assignee: HRIDAYA INC

Assignee(s):(std)**:** HRIDAYA INC

Assignee(s): HRIDAYA INC A CALIFORNIA CORP ; HRIDAYA INC A DELAWARE CORP ; HRIDAYA INC11277 CROCKER GROVE LANEGOLD RIVERCA95670US ; KAMINSKI JOSEPH ; KHANAL SANJAYA

Inventor(s):(std)**:** KAMINSKI JOSEPH ; KHANAL SANJAYA

Inventor(s): KHANAL SANJAYAUS ; KAMINSKI JOSEPHUS

Agent(s): WRAYS; GOWLING LAFLEUR HENDERSON LLP; HOLZER JANINE; NOVEL IP; ANSARI HAZIM

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): A61B1/04 A61B17/00 A61F2/04 A61F2/70 A61L27/04 A61M1/00 A61M1/10 A61M1/12 A61N1/362 (Advanced/Invention); A61M A61N (Subclass/Invention)

CPC: A61M1/1086 A61B17/0057 A61B2017/00606 A61M1/1024 A61M1/125 A61M1/122 A61M1/1031 A61M1/127 A61B1/04 A61M2205/0266 A61M2205/8206 A61M2230/63 A61M1/101

US class: 1/1 600/16 600/17 606/213

Classification Explorer

Cited documents: WO13119752 A2, WO11089022 A1, WO10149393 A1, WO06111954 A2, WO05102414 A1, WO03103745 A2, US8814933 BB, US8727959 BB, US8721517 BB, US8690749 BA, US8684904 BB, US8585572 BB, US8562509 BB, US8535211 BB, US8489190 BB, US8449443 BB, US8439859 BB, US8376707 BB, US8092549 BB, US8012079 BB, US7998190 BB, US7998054 BB, US7993260 BB, US7976452 BB, US7942804 BB, US7927068 BB, US7914436 BA, US7878967 BA, US7841976 BB, US7731675 BB,

US7722568 BB, US7614997 BB, US7591778 BB, US7588531 BB, US7468050 BA, US7462019 BA, US7458929 BB, US7445592 BB, US7438699 BB, US7393181 BB, US7374531 BA, US7241257 BA, US7238151 BB, US7172551 BB, US7144364 BB, US7125376 BB, US7027875 BB, US7022100 BA, US7011620 BA, US6976996 BA, US6889082 BB, US6794789 BB, US6685621 BB, US6610004 BB, US6533716 BA, US6506202 BA, US6245007 BA, US6217541 BA, US6210318 BA, US6176848 BA, US6176822 BA, US6136025 A, US6083260 A, US6042347 A, US6007478 A, US5964694 A, US5921913 A, US5911685 A, US5819736 A, US5749855 A, US5746709 A, US2014088340 AA, US2012041255 AA, US2011282128 AA, US2011257462 AA, US2011184224 AA, US2010249907 AA, US2010041939 AA, US2009118567 AA, US2009093796 AA, US2003233143 AA, JP4126158 A2, JP2010162254 A2, EP2310067 A1, EP2016961 A1, CN1972725 A, CN1274293 A,

Forward Citations: WO15189259, WO15059158, US9339597, US2016030649, US2015306291, DE102014211216, CN104225696,

Abstract:
Source: US2014051908A A hemodynamic flow assist device includes a miniature pump, a basket−like cage enclosing and supporting the pump, and a motor to drive the pump. The device is implanted and retrieved in a minimally invasive manner via percutaneous access to a patient's artery. The device has a first, collapsed configuration to assist in implantation and a second, expanded configuration once deployed and active. The device is deployed within a patient's aorta and is secured in place via a self−expanding cage which engages the inner wall of the aorta. The device includes a helical screw pump with self−expanding blades. Also included is a retrieval device to remove the hemodynamic flow assist device once it is no longer needed by the patient. Also included is an arterial closure device to close the artery access point after implantation and removal of the hemodynamic flow assist device. The hemodynamic flow assist device helps to increase blood flow in patients suffering from congestive heart failure and awaiting heart transplant.

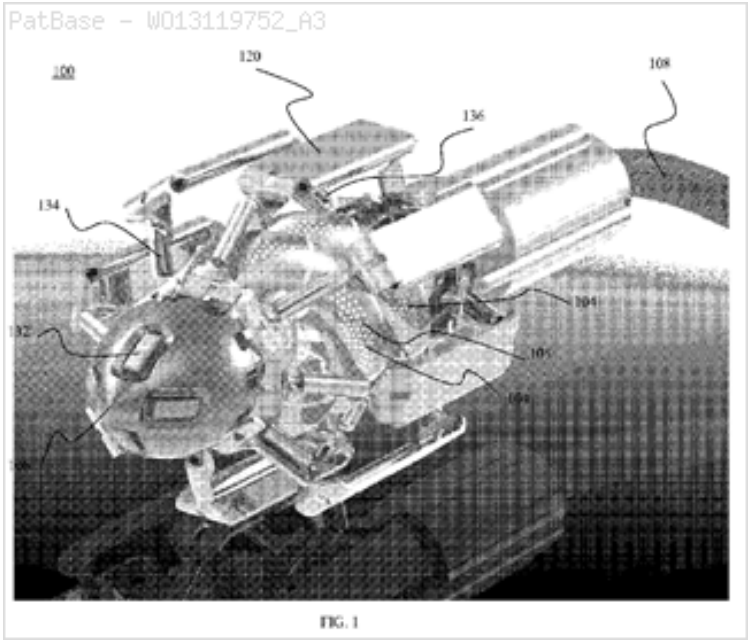


FIG. 1

0) US2006090653A – BEVERAGE MAKER HAVING BREWING CHAMBER ADAPTED T...

24) Family number: 32880483 (US2006090653A) © PatBase

Title: BEVERAGE MAKER HAVING BREWING CHAMBER ADAPTED TO RECEIVE COFFEE PODS OR LOOSE COFFEE

Priority: US20040624569P 20041103 US20050266568 20051103 US20050671279P 20050414

Family:

Publication number	Publication date	Application number	Application date
US2006090653 AA	20060504	US20050266568	20051103
US7677158 BB	20100316	US20050266568	20051103

Probable Assignee: SUNBEAM PRODUCTS INC

Assignee(s):(std)**:** JCS THG LLC ; SUNBEAM PRODUCTS INC

Inventor(s):(std)**:** WHITSON ROY E ; STRATTON ALAN K ; MCDUFFIE RICHARD ; LEUNG SEK B ; JONES EDWARD ; GUO JUN L ; D AMELIO BRIAN R ; CHAO PENG ; LEUNG SEK BIU ; GUO JUN LI

Inventor(s): D AMELIO BRIAN ; D'AMELIO BRIAN R ; GUO JUN ; LEUNG SEK ; STRATTON ALAN ; WHITSON ROY

Agent(s): HOFFMANN AND BARON LLP; SETH M

International class (IPC 8–9): A47J31/00 A47J31/44 (Advanced/Invention); A47J31/00 A47J31/44 (Core/Invention)

CPC: A47J31/4407 A47J31/52

European class: A47J31/44A1 A47J31/52

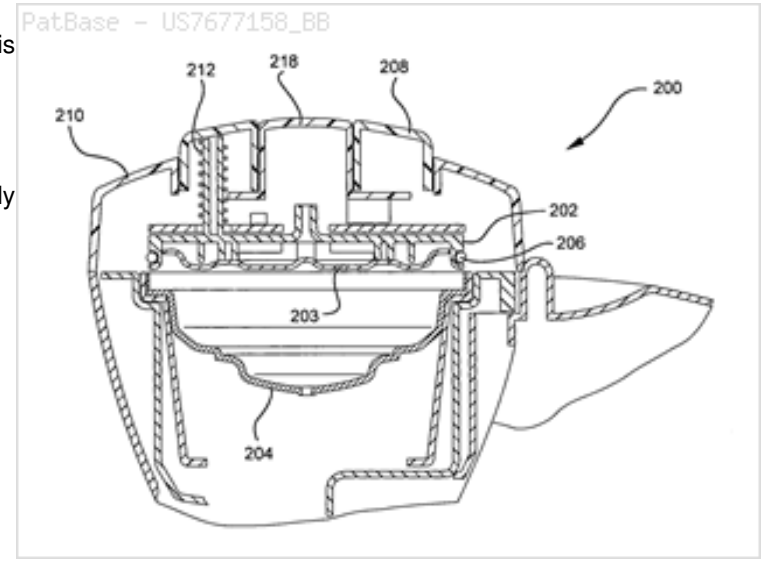
US class: 99/279 99/289R 99/295 99/302R

Classification Explorer

Cited documents: WO05087066 A1, US7503254 BB, US7131369 BB, US6994015 BB, US6990891 BB, US6971304 BA, US6935222 BB, US6892627 BB, US6748850 BA, US6698332 BB, US6490966 BB, US6009792 A, US5921168 A, US5826492 A, US5794519 A, US5762987 A, US5649472 A, US5398596 A, US5343799 A, US2006048650 AA, US2005188854 AA, US2005172821 AA, US2005098043 AA, US2005076789 AA, US2005005775 AA, US2004244599 AA, US2004231523 AA, US2004211322 AA, EP1566127 A2,

Forward Citations: WO16034592, WO16015126, WO13101302, WO10031665, WO10031665, WO08157189, USD760008, USD649390, US9510707, US9510705, US9486107, US9462819, US9445686, US9247846, US9161654, US9155418, US9101243, US9066623, US8978542, US8973489, US8950315, US8931399, US8925442, US8833241, US8794126, US8677888, US8646379, US8573115, US8468935, US8397626, US8381635, US8286547, US8250972, US7997187, US7543526, US2015359378, US2014099417, US2014037808, US2013233422, US2013199379, US2013032036, US2013019754, US2012328748, US2012285966, US2012260806, US2012251695, US2011265658, US2011259201, US2011239870, US2011079152, US2011020508, US2010251901, US2010218686, US2010162899, US2010154906, US2010139496, US2010077927, US2008302252, US2008216667, US2008072766, US2007044664, JP2014212987, EP2654522, EP2654522, CN104688040, AU2011204666,

Abstract:
Source: US2006090653A A beverage maker is provided that allows a user to make a brewed beverage or dispense hot water. Various sealing and latching mechanisms are further provided for effectively sealing the brewing chamber under pressure. A mechanism is provided for reducing splashing when relatively short vessels are positioned beneath the brewing chamber.



0) US2011088485A – LIGHT ENHANCED FLOW TUBE

25) Family number: 48763767 (US2011088485A) © PatBase

Title: LIGHT ENHANCED FLOW TUBE

Priority:

US20090252269P 20091016 US20100424298P 20101217 US20100775719 20100507
US20100906081 20101016 US20100424312P 20101217 US20100424306P 20101217
US20110329186 20111216 US20120651337 20121012 US20110329219 20111217
US20110329259 20111217 US20110546930P 20111013 US20110559433P 20111114
US20140312566 20140623 US20140558587 20141202 WO2010US52977 20101016
WO2010US34025 20100507 WO2011US65676 20111216 WO2012US60125 20121012
WO2011US65685 20111217 WO2011US65678 20111217

Family:

Publication number	Publication date	Application number	Application date
CN102655904 A	20120905	CN201080057549	20101016
CN102655904 B	20150204	CN201080057549	20101016
CN102667423 A	20120912	CN201080057413	20100507
CN102667423 B	20160608	CN201080057413	20100507
CN103370095 A	20131023	CN201180067543	20111216
CN103370095 B	20170215	CN201180067543	20111216
CN104066469 A	20140924	CN201280061261	20121012
CN104066469 B	20170322	CN201280061261	20121012
EP2488241 A1	20120822	EP20100824231	20101016
EP2488837 A1	20120822	EP20100823756	20100507
EP2651483 A2	20131023	EP20110861868	20111216
EP2651483 A4	20151028	EP20110861868	20111216
EP2766077 A2	20140820	EP20120839321	20121012
EP2766077 A4	20151230	EP20120839321	20121012
GB201311848 A0	20130814	GB20130011848	20111216
GB201407581 A0	20140611	GB20140007581	20121012
GB2500538 A1	20130925	GB20130011848	20111216
GB2510513 A1	20140806	GB20140007581	20121012
GB2510513 A8	20140820	GB20140007581	20121012
IN03108DN2012 A	20150918	IN2012DN03108	20120411
IN03164DN2012 A	20150918	IN2012DN03164	20120412
MX2012004462 A1	20120627	MX20120004462	20100507
MX2012004466 A1	20120627	MX20120004466	20101016
US2011088485 AA	20110421	US20100775719	20100507
US2011088694 AA	20110421	US20100906081	20101016
US2012180789 AA	20120719	US20110329186	20111216
US2012186583 AA	20120726	US20110329259	20111217
US2013276780 AA	20131024	US20120651337	20121012
US2015107507 AA	20150423	US20140312566	20140623
US2015202105 AA	20150723	US20140558587	20141202
US8794173 BB	20140805	US20100775719	20100507
US9022492 BB	20150505	US20110329259	20111217
US9086313 BB	20150721	US20100906081	20101016
US9149404 BB	20151006	US20140558587	20141202
WO11046636 A1	20110421	WO2010US34025	20100507
WO11047363 A1	20110421	WO2010US52977	20101016
WO12083281 A1	20120621	WO2011US65685	20111217
WO12128808 A2	20120927	WO2011US65676	20111216

WO12128808 A3	20121115	WO2011US65676	20111216	
WO13056171 A2	20130418	WO2012US60125	20121012	
WO13056171 A3	20130620	WO2012US60125	20121012	
ZA201202727 A	20121227	ZA20120002727	20120413	
ZA201202728 A	20130327	ZA20120002728	20120413	

Probable Assignee: SPACELABS HEALTHCARE LLC

Assignee(s):(std)**:** BLUEMNER ERIK J ; BOUDREAU CORY ; CHONCHOLAS GARY ; DALGETY LEE ; KOSMOPOULOS GEORGE P ; LEVI ANDREW ; DAMMANN BRUCE ; ROBERTS SHELDON ; LUST DORIAN ; FLANAGAN PATRICK ; SCHOEPKE BEN ; DRAPES BRIAN E ; SPACELABS HEALTHCARE LLC ; TOBIA RONALD ; TOBIA RONALD L ; SPACELABS HEALTHCARE LTD ; SPACELABS HEAL THCARE LLC ; XI ZENG

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATI

Inventor(s):(std)**:** TOBIA RONALD L ; XI ZENG ; LEE DALGETY ; GARY CHONCHOLAS ; DRAPES BRIAN E ; CORY BOUDREAU ; BRUCE DAMMANN ; ANDREW LEVI ; RONALD TOBIA ; TOBIA RONALD ; SCHOEPKE BEN ; ROBERTS SHELDON ; LUST DORIAN ; LEVI ANDREW ; KOSMOPOULOS GEORGE P ; FLANAGAN PATRICK ; DAMMANN BRUCE ; DALGETY LEE ; CHONCHOLAS GARY ; BOUDREAU CORY ; BLUEMNER ERIK J ; BLUEMNER ERIK ; RONALD TOBIA L

Inventor(s): SHELDON ROBERTS ; BEN SCHOEPKE ; DORIAN LUST ; ERIK BLUEMNER ; PATRICK FLANAGAN ; RONALD L TOBIA ; KOSMOPOULOS GEORGES ; GEORGE P KOSMOPOULOS ; ERIK J BLUEMNER

Agent(s): WILSON ALAN STUART; NOVEL IP; ANSARI HAZIM; DALAL SONA

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): A47B46/00 A47B49/00 A47B5/00 A47B81/00 A47B81/06 A47B97/00 A61B19/02 A61G12/00 A61M1/00 A61M16/00 A61M16/01 A61M16/08 A61M16/10 A61M16/12 A61M16/18 A61M16/20 A61M16/22 A61M39/10 B62B1/00 B62B11/00 B62B3/00 B62B5/00 F16L27/087 F16L27/093 F16M11/08 F16M11/20 F16M11/42 G01F1/22 G01F23/30 G01F23/64 G06F19/00 G09G3/34 (Advanced/Invention);
A61M16/10 (Advanced/Non–invention);
A61M16/00 (Core/Invention);
A61M G01F (Subclass/Invention)

CPC: A61M16/20 A61M16/0051 A47B2031/006 A61M2205/0205 A61M2205/0238 A61M2205/11 A61M2205/583 A61M2205/584 A61M2205/587 G01F23/64 A61L2/10 A61L2/235 G01F1/22 G06F19/3406 A61G12/00 A47B81/00 A47B81/06 F16M11/08 F16M11/2085 F16M11/42 A61M16/01 A61M2016/003 A61B50/10 A61M16/009 A61M16/0816 A61M16/1015 A61M16/104 A61M16/208 A61M16/22 A61M2016/0027 A61M2016/0039 A61M2016/0042 A61M2016/1035 A61M2202/0208 A61M2202/0283 A61M2205/3375 A61M2205/3569 A61M2205/3592 A61M2205/3606 A61M2205/502 A61M2205/8206 A61M2205/8212 A61M2205/8237 A61M2209/082 A61M2209/084

European class: A61M16/00K A61M16/01 A61M16/10B F16M11/08 F16M11/20B F16M11/42 G01F23/64 K61M16/00A10 K61M16/00A14B4 K61M16/00A14B6 K61M16/00P2 K61M16/08D K61M16/10A10E K61M16/10A7 K61M16/20B K61M16/22 K61M202/02A K61M202/02M2 K61M205/33U K61M205/35R3 K61M205/35T2 K61M205/36A K61M205/50A K61M205/82B K61M205/82B2 K61M205/82D K61M209/08A K61M209/08B

US class: 1/1 116/227 116/276 128/202.22 128/203.12 128/203.120P 128/204.23 128/204.230P 128/205.24 280/47.35 280/79.11 312/209 312/249.8 312/7.2 340/815.65 73/861.57 73/861.570P

Classification Explorer

Cited documents: WO08065961 A1, USD589959 S1, USD467001 S1, US8544406 BB, US845258 A, US8348845 BB, US8091422 BB, US7836882 BA, US7710567 BA, US7704212 BB, US763300 A, US7621500 BB, US7593217 BB, US7540187 BA, US7529083 BB, US7516924 BB, US7469601 BB, US7360454 BB, US7219559 BB, US7193233 BB, US7111852 BB, US7096864 BA, US7040175 BA, US7013833 BB, US6931795 BA, US6896241 BB, US6796264 BA, US6715722 BB, US6709391 BB, US6591694 BB,

US6571792 BA, US6554238 BA, US6541758 BB, US6536430 BA, US6396583 BA, US635565 A, US6349436 BA, US6339732 BA, US6338823 BA, US6269813 BA, US6188407 BA, US6155255 A, US6146523 A, US6131571 A, US6099093 A, US6096025 A, US6048044 A, US5924988 A, US5904328 A, US5868133 A, US5779305 A, US5765842 A, US5746708 A, US5715813 A, US5692494 A, US5684504 A, US5633457 A, US5558418 A, US5502853 A, US5497766 A, US5442959 A, US5373746 A, US5372389 A, US5323654 A, US5323653 A, US5292564 A, US5291182 A, US5253641 A, US5233975 A, US5231981 A, US5222486 A, US5174163 A, US5144898 A, US5101851 A, US4993683 A, US4991576 A, US4989791 A, US4899585 A, US4879997 A, US4693117 A, US4643693 A, US4630486 A, US4630485 A, US4625731 A, US4615547 A, US4607897 A, US4557216 A, US4428507 A, US4167115 A, US4148312 A, US4064826 A, US4050305 A, US3981329 A, US3954010 A, US3938551 A, US3844171 A, US3757577 A, US3733482 A, US3689908 A, US3673863 A, US3517639 A, US2944547 A, US2912858 A, US2820651 A, US2808580 A, US2011245579 AA, US2011138323 AA, US2011088694 AA, US2011071420 AA, US2010282256 AA, US2010175695 AA, US2010156655 AA, US2009206713 AA, US2009200902 AA, US2009151720 AA, US2009133609 AA, US2009024008 AA, US2009015116 AA, US2008271736 AA, US2008251003 AA, US2008221495 AA, US2008125761 AA, US2008103375 AA, US2007199388 AA, US2007093784 AA, US2007051861 AA, US2007044578 AA, US2007028921 AA, US2007007418 AA, US2006280621 AA, US2006278270 AA, US2006042635 AA, US2006022096 AA, US2005251232 AA, US2005139213 AA, US2005005932 AA, US2004249673 AA, US2004011938 AA, US2003231460 AA, US2003209246 AA, US2003191373 AA, US2003135087 AA, US2003106553 AA, US2003076015 AA, US2003029451 AA, US2002194792 AA, US2001001179 AA, US1382582 A, US1264785 A, US1157708 A, US1132372 A, US1111518 A, GB568212 A, GB191214095 A, EP1449558 A2, DE9415672 U,

DE102006011151 A1

CN2227826 Y, CN201431644 Y, CN1350469 A, CN101854973 A, CN101854972 A, CA2752862 AA,

Forward Citations: WO15153713, WO15134450, WO14178730, WO14178729, WO13056171, WO13056171, US9566404, US9384652, US9356687, US9298889, US9283347, US9152765, US9086313, US9022492, US8597403, US8414682, US2016033329, US2015253179, US2014144435, US2014135582, US2013220129, US2012325208, US2012186583, US2011283884, GB2510513, EP2766077, EP2750414, DE102014000198, CN105013025, CN104771820, CN104740740, CN104740739, CN104688356, CN104587577, CN104382656, CN104147676, CN104066469, CN103830816, CN103791970, CN103604472, CN103604472,

Abstract:
Source: US2011088485A An improved fluid flow gauging device includes a light enhanced acrylic block flow tube to optimize visualization of pressure readings. An LED or other light source is fitted to the top of the flow tube and illuminates a float or bobbin from above to provide more accurate readings, especially in low light conditions such as modern operating rooms. In addition, the light enhanced flow tube provides a mechanical backup in the case of failure of newer electronic systems and visually matches the graphical flow display, simultaneously providing a double−check of the electronic system.

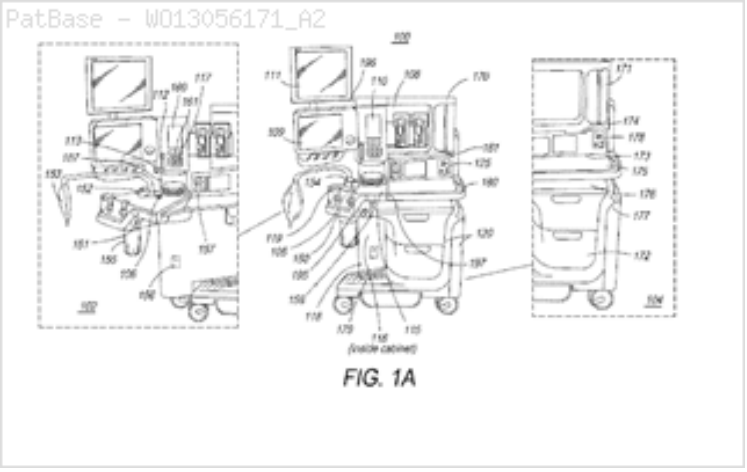


FIG. 1A

0) US2016340202A – POINT–OF–USE WATER TREATMENT SYSTEM

26) Family number: 64049760 (US2016340202A) © PatBase

Title: POINT–OF–USE WATER TREATMENT SYSTEM

Priority: US20150165252P 20150522 US20160160151 20160520

Family:

Publication number	Publication date	Application number	Application date
TW201700901 A	20170101	TW20160115698	20160520
US2016340202 AA	20161124	US20160160151	20160520
WO16191233 A2	20161201	WO2016US33396	20160520
WO16191233 A3	20161229	WO2016US33396	20160520

Probable Assignee: ACCESS BUSINESS GROUP INT LLC

Assignee(s):(std)**:** ACCESS BUSINESS GROUP INT LLC

Inventor(s):(std)**:** ANDERSON DAVID J ; FURXHI ILIR ; FURXHI LLIR ; GOOD RICK G ; HOPALUK LIANE B ; KING KEVIN G ; LAUTZENHEISER TERRY L ; MILES MICHAEL E ; MISSMAN ROBERT M ; PUROLL AMY SUE

Agent(s): DANI WILLIAM 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 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): B01D35/30 C02F1/00 C02F1/28 C02F1/32 C02F9/00 E03B1/04 E03C1/02 F16L55/24 (Advanced/Invention) ; C02F1/28 C02F1/32 (Advanced/Non–invention)

CPC: C02F1/003 B01D35/30 E03B1/04 E03C1/02 C02F2103/02 C02F2201/004 C02F2201/006 C02F2201/3228 B01D2201/4023 B01D2201/4053 B01D2201/54 C02F1/283 C02F1/325 C02F9/005 C02F2201/002 E03C2201/40

US class: 210/232

Classification Explorer

Cited documents: US6368504 BA, US2011303543 AA, US2003178356 AA,

Abstract:
Source: US2016340202A A water treatment system having a water treatment engine including a pressure vessel, electronics module and optionally replaceable shrouds. The water treatment engine may include a tether and a single connection point for water and power lines. The tether may have a release that is accessible only when the electronic module is removed. The water treatment engine may be circular and the water and power lines may be arranged within a region bounded by tangent lines that square the circular shape. The electronics module may be configured to receive one of a variety of alternative interchangeable displays. The electronics module may have a single display port that provides power and data that can be utilized by a plurality of different types of displays. The system may include a replaceable cartridge with soft end caps that include an integral seal and are shaped to self−center within the pressure vessel.

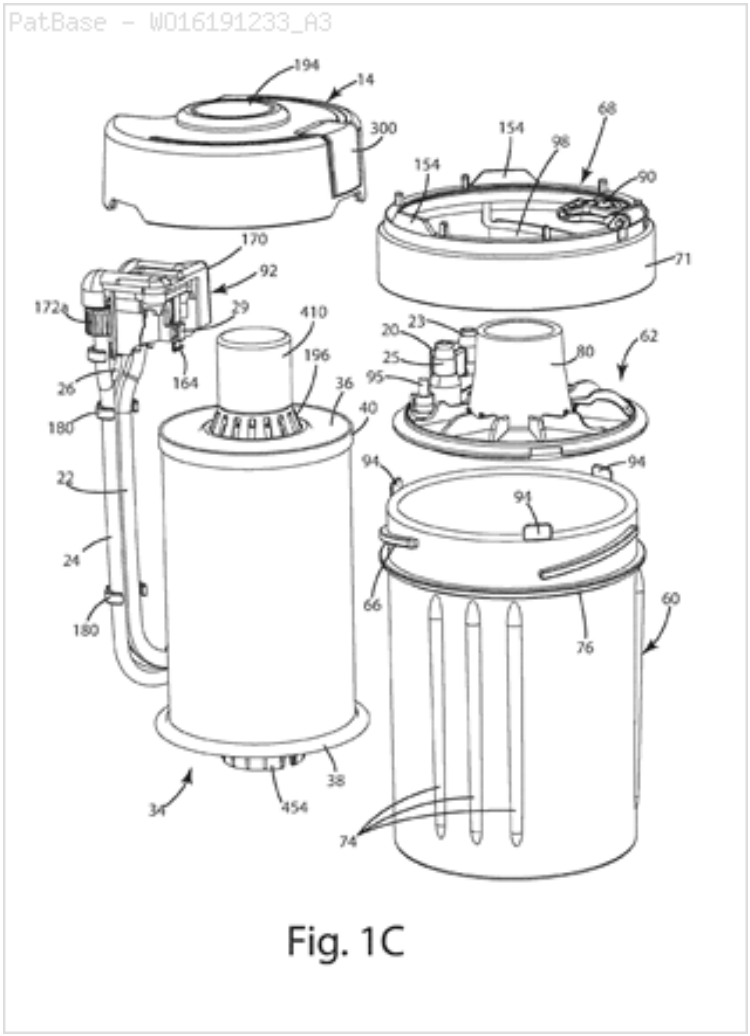


Fig. 1C

0) CH696981A – SEALING DEVICE FOR USE IN FLOW METER, HAS LEAD ...

27) Family number: 41571481 (CH696981A) © PatBase

Title: SEALING DEVICE FOR USE IN FLOW METER, HAS LEAD SEAL THAT IS DESIGNED AS RING–SHAPED SEALING UNIT MADE OF PLASTIC AND ENCLOSES PARTIAL AREAS OF TWO HOUSINGS OF FLOW METER IN CONNECTION AREAS TO EXTEND ENTIRE CIRCUMFERENCE OF HOUSINGS

Priority: CH20030000146 20030203

Family:

Publication number	Publication date	Application number	Application date
CH696981 A	20080229	CH20030000146	20030203

Probable Assignee: AQUAMETRO AG

Assignee(s):(std)**:** AQUAMETRO AG

Inventor(s):(std)**:** GSCHWIND MARKUS ; NEUSCHWANDER MARTIN

International class (IPC 8–9): B65D50/00 F16B4/00 G01F15/00 (Advanced/Invention); B65D50/00 F16B4/00 G01F15/00 (Core/Invention)

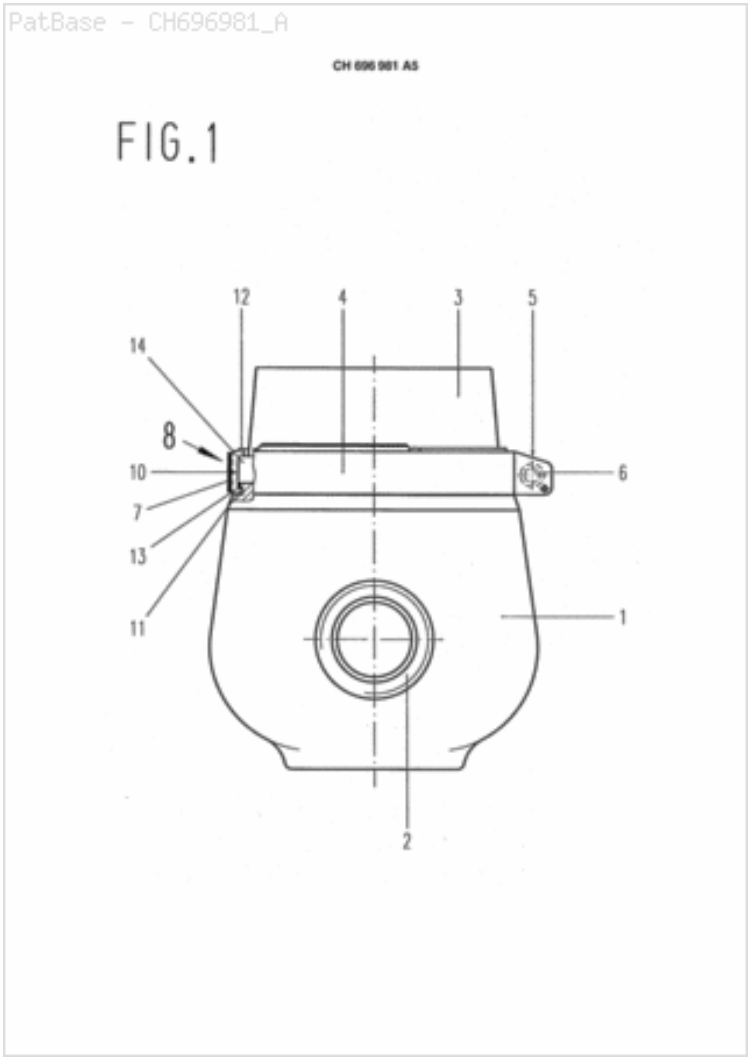
CPC: G01F15/007

European class: G01F15/00K

Classification Explorer

Forward Citations: DE102008031910,

Abstract:
Source: CH696981A The device has a lead seal that is designed as a ring−shaped sealing unit (4) and encloses partial areas of two housings (1, 2) of a flow meter in connection areas (8) to extend an entire circumference of the housings. The ring−shaped unit has a cut−off point (5) with a one−time lock (6) and a film hinge (7) at a radially opposite area. The hinge has a spring unit that includes a force component forcing the ring−shaped unit outwards. The ring−shaped unit is made of plastic.



0) US5836541A – EASILY–CONVERTIBLE FIXED–WING ROADABLE AIRCRAFT...

28) Family number: 12587193 (US5836541A) © PatBase

Title: Easily–convertible fixed–wing roadable aircraft

Priority: US19960012719P 19960304 US19970045106P 19970425 US19980041915 19980313 US19970811503 19970305 US19970859732 19970521

Family:

Publication number	Publication date	Application number	Application date
US5836541 A	19981117	US19970859732	19970521
US5984228 A	19991116	US19970811503	19970305
US6129306 A	20001010	US19980041915	19980313

Probable Assignee: PHAM ROGER N C

Assignee(s):(std)**:** PHAM ROGER N C

Inventor(s):(std)**:** PHAM ROGER N C

International class (IPC 8–9)**:** B64C37/00 (Advanced/Invention)

International class (IPC 1–7)**:** B64C37/00

CPC: B64C37/00 B60F5/02

European class: B64C37/00

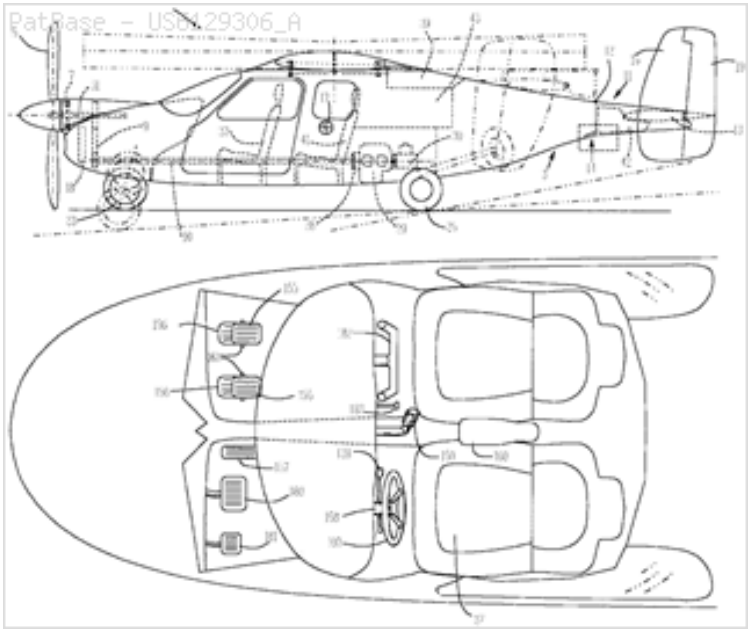
US class: 244/100R 244/104FP 244/2 244/220 244/46 244/49 244/50

Classification Explorer

Cited documents: US5435502 A, US5050817 A, US4986493 A, US4881701 A, US4720061 A, US4706907 A, US4627585 A, US4269374 A, US3986686 A, US3960103 A, US3371886 A, US3261572 A, US3134560 A, US3116896 A, US3112088 A, US2746698 A, US2735634 A, US2692095 A, US2681773 A, US2584961 A, US2446528 A, US2375423 A, US2350608 A, US2241577 A, US2110563 A, FR1334496 A,

Forward Citations: WO17025704, WO08085195, WO07056294, WO03078247, US9555681, US9457890, US9446841, US9393847, US9297439, US9259984, US9145215, US9045226, US8882091, US8757537, US8746378, US8702041, US8573937, US8561939, US8499907, US8376263, US8371520, US8275516, US8267347, US7950479, US7938358, US7905449, US7874512, US7665690, US7642929, US7515999, US7377470, US7322545, US7234667, US7113855, US7113855, US7066428, US7066428, US6994394, US6978970, US6974106, US6848649, US6786450, US6695106, US6662086, US6619584, US6561455, US6488504, US6483254, US6259976, US6224012, US6131848, US6082671, US6082665, US2015217613, US2015210161, US2015144743, US2015028150, US2013127132, US2011315806, US2011036939, US2011022267, US2011000723, US2010294877, US2010276545, US2010252675, US2010129215, US2009101754, US2009057480, US2009045294, US2009044991, US2008087763, US2008073459, US2008017751, US2008011897, US2007102590, US2007084971, US2007045012, US2006151272, US2006017307, US2005242236, US2005230525, US2005151003, US2004243291, US2004232727, US2004094658, JP2011225058, GB2455035, GB2450981, EP3130535, EP2560860, CN102892664,

Abstract:
Source: US5836541A A fixed−wing four−seat light aircraft that can be easily converted to a roadway vehicle within minutes by a single person in the field, comprising a one−piece wing center panel with foldable wing tips on each sides. The whole wing unit is then rotatably mounted on top of the fuselage. The aircraft features a conventional front−engine−and−propeller lay−out, with a short fuselage for convenient roadability and garageability, with horizontal stabilizer of significant span with foldable tips for adequate flight stability. The vehicle has a low ride−height with a low center of gravity, four wheels with independent suspension, nose−height leveling for take−off and landing, and anti−sway mechanism for adequate ground handling. Ground propulsion is by automotive−style transmission driving the front wheels.



29) Family number: 42142428 (US2004015075A) © PatBase

Title: RADIOACTIVE EMISSION DETECTOR EQUIPPED WITH A POSITION TRACKING SYSTEM AND UTILIZATION THEREOF WITH MEDICAL SYSTEMS AND IN MEDICAL PROCEDURES

Priority:

EP20060728347	20060511	EP20060756259	20060719	IL20050172349	20051127
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US20040630561P	20041126	US20040632236P	20041202	US20020240239	20020930
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US20070980653	20071031	US20070750057	20070517	US20070932987	20071031
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Family:

Publication number	Publication date	Application number	Application date
AT447734 E	20091115	AT20030810570T	20031104
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Probable Assignee: BIOSENSORS INT GROUP LTD

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Inventor(s):(std)**:** AMRAMI R ; AMRANI RONI ; BEN HAIM SHLOMO ; BEN HAIM SIMONA ; BERMAN DANIEL ; BOUSKILA Y ; BOUSKILA Y KIMCHY R AMRAMI Y ; BRONSHTINE ZOHAR ; DAVID GAL BEN ; DICHTERMAN ELI ; DICKMAN DALIA ; EINAV OMER ; GLUHOVSKY LEONID ; HAJ YAHYA SAJED ; KIMCHY Y ; KIMCHY YOAV ; MELMAN HAIM ; MICHAEL ROUSSO BENNY NAGLER ; MOADDEB SHAHRAM ; NAGLER MICHAEL ; NIR YAEL ; OMER EINAV ; POPPER ZIV ; RAVHON RAN ; ROTH NATHANIEL ; ROUSSO BENNY ; VALLABHAJOSULA SHANKAR ; WEISSBERG NIR ; ZILBERSTEIN YOEL ; ZILBERSTIEN YOEL ; ZIV OMER ; BOUSKILA YONA ; BEN DAVID GAL ; ANTEBI UDI ; AMRAMI RONI ; HAGLER MICHAEL ; ZIBERSTEIN YOEL ; BEN HAIM SHIOMO ; AMARMI RONI ; SAYADA CHALOM BRUNO ; SAYADA CHALOM B ; SIDORENKO NICK ; BRONSHTINE ZOHR

Inventor(s): BEN HAIM SHLOMO LONDON ; UDI ANTEBI ; SAYADA CHALOM ; EINAV OMERIL ; DICKMAN DALIAIL ; DAVID GAL ; DALIA DICKMAN ; BRONSHTINE ZOHARIL ; BENNY ROUSSO ; BEN HAIM SHLOMOGB ; ZOHAR BRONSHTINE ; ZIV POPPER ; ZILBERSTIEN YOELIL ; SHLOMO BEN HAIM ; ROUSSO BENNYIL ; NAGLER MICHAELIL ; MICHAEL NAGLER ; Y BOUSKILA ; Y KIMCHY ; Y KIMCHY R AMRAMI Y BOUSKILA ; YOAV KIMCHY ; YOEL ZILBERSTEIN ; YONA BOUSKILA ; ROUSSO BENNY NAGLER MICHAEL ; RONI AMRAMI ; R AMRAMI ; NICK SIDORENKO ; GAL BEN DAVID

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; BULL HOUSSER AND TUPPER LLP; MACHTALERE GEORGES; DENNEMEYER AND ASSOCIATES SA; FREEMAN AVI ET AL; BECK GREENER; SCHMITZ JEAN MARIE ET AL; FICHTER ROBERT ARNO ET AL; GE EHRLICH 1995 LTD; G E EHRLICH 1995 LTD C O ANTHONY CASTORINA; MARTIN MOYNIHAN, C/O ANTHONY CASTORINA; MARTIN MOYNIHAN C O ANTHONY CASTORINA; MARTIN MOYNIHAN, ANTHONY CASTORINA; MARTIN MOYNIHAN ANTHONY CASTORINA; WOLF BLOCK SHORR AND SOLIS−COHEN LLP; WOLF BLOCK SHORR AND SOLIS COHEN LLP; MARTIN D MOYNIHAN PRTSI INC; MARTIN D MOYNIHAN PRTSI; MARTIN D MOYNIHAN D B A PRTSI INC; WILLIAM H DIPPERT ECKERT SEAMANS CHERIN AND MELLOTT LLC; WOLF BLOCK SCHORR AND SOLIS COHEN LLP; DIPPERT WILLIAM H; WILLIAM H; ECKERT SEAMANS CHERIN AND MELLOT LLC; ECKERT SEAMANS CHERIN AND MELLOTT LLC; GE EHRLICH 1995 LTD ET AL; G E EHRLICH 1995 LTD

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)**:** A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/02 A61B6/03 A61B6/06 A61B6/12 A61F2/04 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61K51/04 A61K51/08 A61M36/00 A61M36/14 A61M5/00 A61M5/31 A61N5/00 A61P35/00 A61P9/10 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/14 G01D18/00 G01J1/42 G01N33/574 G01N33/60 G01T1/00 G01T1/16 G01T1/161 G01T1/164 G01T1/166 G01T1/20 G01T1/24 G01T1/29 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06K9/00 G06K9/36 G06K9/68 G06Q10/00 G06Q50/00 G06Q50/22 G06T1/00 G06T11/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 G21F5/015 G21F5/06 H01L27/146 H04N13/00 H04N15/00 (Advanced/Invention); A61B1/31 A61B19/00 A61B5/055 A61B6/00 A61B6/03 A61B6/12 A61B8/00 A61B8/08 A61K101/00 A61K103/00 A61K103/10 A61K103/20 A61K103/30 A61K103/32 A61N7/02 G01B11/28 G06K9/36 (Advanced/Non−invention); A61B1/05 A61B19/00 A61B5/00 A61B5/05 A61B5/06 A61B5/07 A61B5/11 A61B6/00 A61B6/03 A61B6/12 A61K31/66 A61K49/00 A61K51/00 A61K51/02 A61M36/00 A61N5/00

A61P35/00 A61P9/00 C08F210/00 C12Q1/04 C12Q1/16 C12Q1/68 F02B1/00 F16J15/02 F16J15/50 G01B11/28 G01B5/26 G01C19/00 G01C3/00 G01D18/00 G01J1/42 G01T1/00 G06F15/00 G06F17/00 G06F17/30 G06F19/00 G06F3/00 G06K9/00 G06K9/36 G06K9/68 G06Q50/00 G06T1/00 G06T15/00 G06T17/00 G06T5/10 G06T5/50 G06T7/00 G21F5/00 H04N13/00 H04N15/00 (Core/Invention);
A61B1/31 A61B19/00 A61B5/055 A61B6/03 A61B8/00 A61B8/08 A61N7/00 G01B11/28 G06K9/36 (Core/Non–invention);
G01T (Subclass/Invention)

International class (IPC 1–7): A61B19/00 A61B5/05 A61B6/00 A61K51/00 A61M36/00 A61N5/00 A61P35/00 A61P9/10 C08F210/00 F02B1/00 F16J15/02 G01C19/00 G01T G01T1/161 G01T1/166 G01T1/29 G06F G06F15/00 G06F3/00 G06F3/00 H04L

CPC: G01N33/57434 G01N33/60 A61B6/4423 A61B6/4291 A61B6/4417 G01T1/243 G01T1/247 A61K51/02 A61K51/04 A61K51/0402 A61K51/0476 A61K51/0478 A61K51/048 A61K51/0489 A61K51/0491 A61K51/1203 A61B1/0005 G01T1/1615 A61B6/488 A61B6/547 A61B8/0825 A61B8/12 A61B8/4416 A61B5/07 A61B5/6835 G06T5/50 A61B6/482 G01R33/481 G06T2207/10081 G06T2207/10088 G06T2207/10132 G06T2207/30004 A61B5/02755 A61B5/4519 A61B5/7203 A61B5/7264 A61B6/44 A61B6/481 A61B6/02 A61B6/54 A61B6/4266 A61B6/5217 A61B6/5241 A61B6/0414 A61B6/4275 A61B8/0808 A61B6/548 A61B6/508 A61B6/5288 A61B8/5284 G01T1/249 A61M5/14546 A61M5/1456 G06F19/3481 G06T2211/412 G06T2211/424 A61K31/66 A61K49/0004 A61K51/00 A61B5/064 A61B6/03 A61B6/12 A61B6/507 A61B6/5247 A61K51/1048 G01T1/166 G01T1/2985 G01T1/1642 A61M5/007 A61M5/1452 A61M5/1782 A61M5/1785 A61M5/31511 A61M2005/3128 A61M2205/3561 A61M2205/3569 A61M2205/3576 A61M2205/6072 A61M2205/6081 G06F19/3462 G06F19/3468 A61M2205/6054 B65B3/003 G01T1/1648 A61B2017/00079 A61B1/041 A61B5/073 A61B6/5235 A61B8/00 A61B8/0833 A61B8/4472 A61B8/5238 A61N7/02 A61B8/4245 A61B8/4254 A61B5/411 A61B5/417 A61B6/4488 A61B6/501 A61B6/502 A61B6/504 A61B6/583 A61B8/0891 A61B8/4444 A61B6/00 A61B5/4064 A61B5/4076 A61B5/4088 A61B6/486 A61B5/0035 G06T7/0012 G06F19/321 G06F19/324 A61B1/05 A61B1/31 A61B5/06 A61B6/4057 A61B6/425 G01T1/1603 G01T1/1647 A61B2090/392 A61B90/39 A61B34/20 A61B34/25 A61B2034/2051 A61B2034/2072 A61B2090/364 A61B2090/365 A61B2090/378 A61B90/361 A61B2034/105 A61B2034/2055 A61B5/055 A61B5/415 A61B5/416 A61B5/418 A61B5/7285 A61B6/503 A61B6/541 A61B8/0883 A61B8/543 G06T11/006 G06T2211/436 G01T1/1663 G06T11/008 G06T2207/10104 G06T2207/30048 G01T1/1644 G06T11/005 A61B6/06 G06T2207/10072 A61B6/4258 A61B5/062 A61B5/067 A61B5/7289 A61B6/032 A61B8/13 G06T7/602 G06T2207/10108 G06T2207/10116 G06T2207/10136 A61B6/037 A61F2/04 G01T1/161

European class: A61B1/04C A61B1/05 A61B19/52H12 A61B19/54 A61B5/0275B A61B5/055 A61B5/06 A61B5/06C3 A61B5/07 A61B5/07B A61B5/41B A61B5/41J2 A61B5/41J4 A61B5/41J6 A61B5/41J8 A61B5/68B3H A61B5/72K12 A61B6/00 A61B6/03D A61B6/40J A61B6/42B10 A61B6/42B12 A61B6/48D A61B6/48N A61B6/52D6B A61B6/52D6D A61B6/52H A61B6/54H A61B8/44F A61B8/44N8 A61B8/52D6 A61K31/66 A61K49/00H A61K51/00 A61K51/02 A61K51/04 A61K51/04B A61K51/04L4 A61K51/04L8 A61K51/04L8D A61K51/04P A61K51/04R A61K51/08 A61K51/12A A61M5/178F A61M5/178R G01N33/574C14 G01N33/60 G01R33/48M1 G01T1/161 G01T1/161C G01T1/164B1 G01T1/164B2 G01T1/164B9 G01T1/166 G01T1/16E G01T1/24 G01T1/24P G01T1/29D4 G01T1/29D9 G06F19/32A G06F19/32E G06F19/34L3 G06F19/34N G06T11/00T3 G06T5/00D G06T5/50 G06T7/00B2 K61B1/31 K61B17/00C1R K61B19/50B4 K61B19/52D K61B19/52H12B4 K61B19/52H12B6 K61B19/52H12F K61B19/52H14 K61B19/52L K61B19/52L2 K61B19/54D K61B19/56 K61B5/055 K61B5/06 K61B5/41J4 K61B5/41J8 K61B5/45F K61B5/72B K61B5/72M8 K61B6/03 K61B6/03B K61B6/12 K61B6/44P K61B6/50B K61B6/50D K61B6/50F K61B6/50H K61B6/54B K61B6/58D2 K61B8/00 K61B8/08F K61B8/08H K61B8/08S K61B8/08T K61B8/12 K61B8/44N8 K61B8/52H K61B8/54B K61M205/35R2 K61M205/35R3 K61M205/35T K61M205/60M K61M205/60P2 K61M205/60P4 K61M5/00R K61M5/145B K61M5/145B10 K61M5/145B6 K61M5/315C K61M5/31A9 K61N7/02 L65B3/00B S01R33/48M1 S06F19/34L1 S06T207/10081 S06T207/10088 S06T207/10132 S06T207/30004 S06T211/412 S06T211/436

US class: 1/1 250/252.1 250/252.100S 250/361R 250/362 250/362P 250/362S 250/363.01 250/363.02 250/363.020P 250/363.03 250/363.04 250/363.040P 250/363.040S 250/363.05 250/363.08 250/363.1 250/369 250/370.08 250/370.09 250/370.11 250/394 250/394P 345/419 345/419S 345/424 345/424P 345/424S 378/10 378/15 378/4 378/7 378/8 382/128 382/128P 382/131 382/131P 382/131S 382/132 382/132P 382/132S 382/218 382/218S 382/254 382/300 424/1.11 424/1.110P 424/1.49 424/1.490S 424/1.61 424/1.610P 424/1.65 424/1.650S 424/1.69 424/1.690P 424/9.1 424/9.2 435/34 435/34S 435/35 435/35S 435/6 514/137 600/1 600/2 600/3 600/3P 600/3S 600/407 600/407P 600/407S 600/411 600/424 600/424P 600/425 600/426 600/427 600/427S 600/431 600/431P 600/431S 600/432 600/436 600/436P 600/436S 600/442 604/403 604/403S 606/130 700/231 700/231P 702/152 702/152P 705/2 705/3

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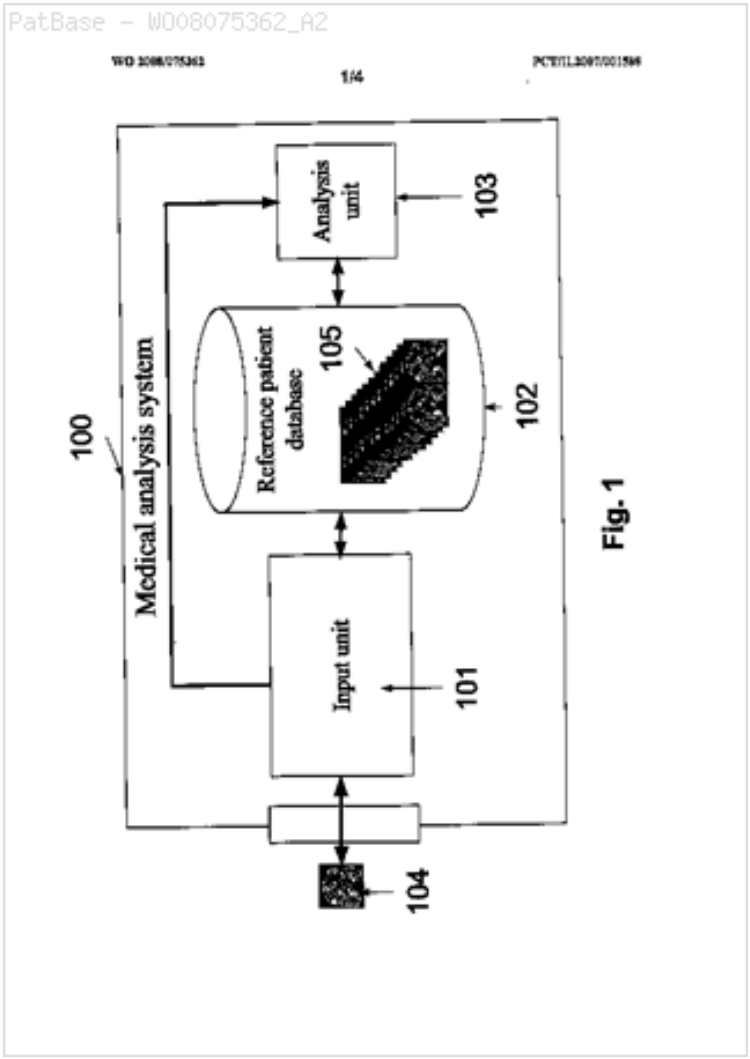
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Abstract:
Source: US2004015075A A system for calculating a position of a radioactivity emitting source in a system−of−coordinates, the system comprising (a) a radioactive emission detector; (b) a position tracking system being connected to and/or communicating with the radioactive emission detector; and (c) a data processor being designed and configured for receiving data inputs from the position tracking system and from the radioactive emission detector and for calculating the position of the radioactivity emitting source in the system−of−coordinates.



0) EP0520306A2 – MULTIJET WATER METER. MEHRSTRAHL–WASSERZAEHLER....

30) Family number: 4460564 (EP0520306A2) © PatBase

Title: MULTIJET WATER METER.

Priority: DE19914121056 19910626

Family:

Publication number	Publication date	Application number	Application date
DE4121056 A1	19930107	DE19914121056	19910626
DE4121056 C2	19940901	DE19914121056	19910626
EP0520306 A2	19921230	EP19920110186	19920617
EP0520306 A3	19950322	EP19920110186	19920617
EP0520306 B1	19971203	EP19920110186	19920617
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ES2111015 T3	19980301	ES19920110186T	19920617
GR3026005 T3	19980430	GR19980400175T	19980128

Probable Assignee: SPANNER POLLUX GMBH

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Inventor(s):(std)**:** LANG GERHARD

Inventor(s): LANG GERHARD 67134 BIRKENHEIDE DE ; VERZICHT DES ERFINDERS AUF NENNUNG

Designated states: BE ES FR GR IT NL

International class (IPC 8–9)**:** G01F1/06 G01F15/12 G01F15/14 (Advanced/Invention); G01F1/05 G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F1/06 G01F1/07 G01F1/6 G01F15/12 G01F15/14

CPC: G01F1/06 G01F15/125 G01F15/14

European class: G01F1/06 G01F15/12B G01F15/14

Classification Explorer

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Forward Citations: WO08003415, US6401550, FR2789173, FR2710742, EP2988103, EP1947428, EP1901043, EP1378730, EP1271110, EP1271110, EP1111350, EP1085303, EP1026479, EP0713078, DE4440683, DE19959997, DE19959997, DE19944087, DE19816322, DE10309665, DE10229795, DE102014216553, DE102012112872, DE102009030828, DE102009018060, DE102006002519, DE102005023826, DE102005023826, DE102004055816, DE102004055816, DE102004012414, DE102004012414, DE10106466, DE10106466, DE10106465, DE10106465, DE10019529, DE10003343, DE10003343,

Abstract:
The subject–matter of the invention is a multi–jet water meter. All the functional units required for measurement are united in a measurement cartridge (3) which is completely assembled in the factory and can be certified, and on site need only further be inserted into the meter housing by screwing the head. The measurement cartridge (3) consists of a beaker–shaped, slightly conical cartridge under part (30), and a transparent, pressure–resistant cartridge upper part (31), which are latched with one another non–detachably by means of a circumferential key and slot connection (34). An external, annular surface (38) is constructed in the base of the cartridge under part (30) as a dirt screen. Also provided here is a hub ring (37) with an inserted O–ring (14) which functions to provide the seal with respect to the meter housing. A vane cup (40, 60) with a vane (42) is provided in the interior of the measurement cartridge (3). The vane shaft (43) drives the reduction gear (75) seated in a measuring cup (70). Pointer (73) and number drums (74) enable the measured values to be read off. Special design measures in the region of the vane cup (40, 60) ensure a high measurement accuracy of water metering.

PatBase – GR3026005_T3

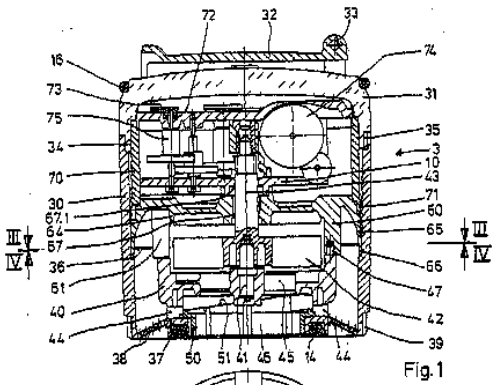


Fig.1

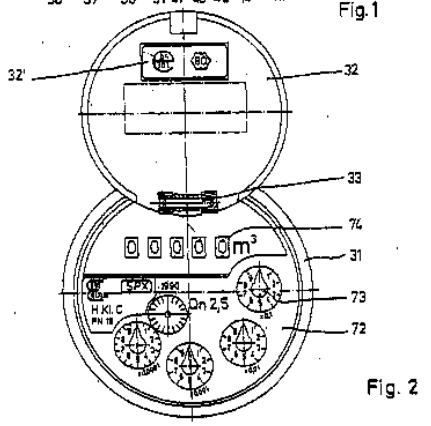


Fig. 2

0) US2014332703A – ADJUSTMENT AND LOCKING MECHANISMS

31) Family number: 57789248 (US2014332703A) © PatBase

Title: ADJUSTMENT AND LOCKING MECHANISMS

Priority: US20130891558 20130510

Family:

Publication number	Publication date	Application number	Application date
EP2811175 A1	20141210	EP20140167695	20140509
US2014332703 AA	20141113	US20130891558	20130510

Probable Assignee: HAMILTON SUNDSTRAND CORP

Assignee(s):(std)**:** HAMILTON SUNDSTRAND CORP

Inventor(s):(std)**:** PARADISE BRUCE

Agent(s): LECKEY DAVID HERBERT

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)**:** B64D37/00 F16B2/18 F16K35/00 (Advanced/Invention)

CPC: F16K35/00 F16B2/18 F02C7/232

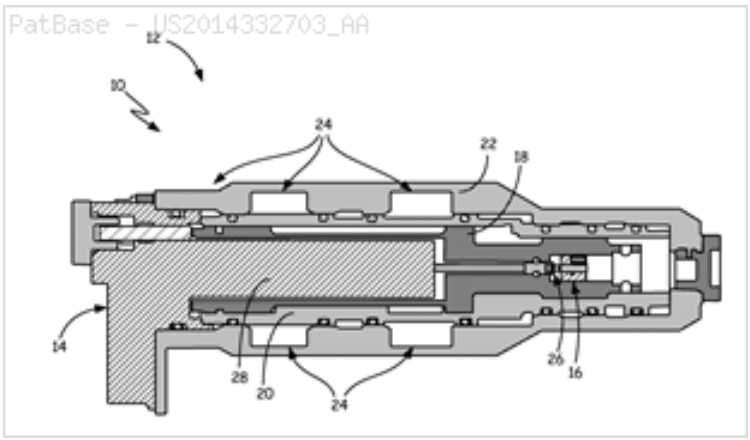
US class: 251/89

Classification Explorer

Cited documents: US6682016 BA, US6401446 BA, US6321527 BA, US5448882 A, US4635441 A, US2863210 A, US2007256404 AA, JP51114550 A2,

Forward Citations: US9416894, US2015377382,

Abstract:
Source: US2014332703A A locking mechanism includes a connection portion, a first arm, a second arm, and a fastener. The first arm extends from the connection portion and defines a first aperture and a second aperture. The second arm extends from the connection portion and defines a third aperture. The first arm is spaced from the second arm by a notch. The fastener is adapted to extend through the first aperture and across the notch to abut the second arm.



0) GB428888A – IMPROVEMENTS IN STORAGE AND DISPENSING SYSTEMS ...

32) Family number: 18772922 (GB428888A)

© PatBase

Title:	Improvements in storage and dispensing systems
Priority:	GB19340012094 19340421

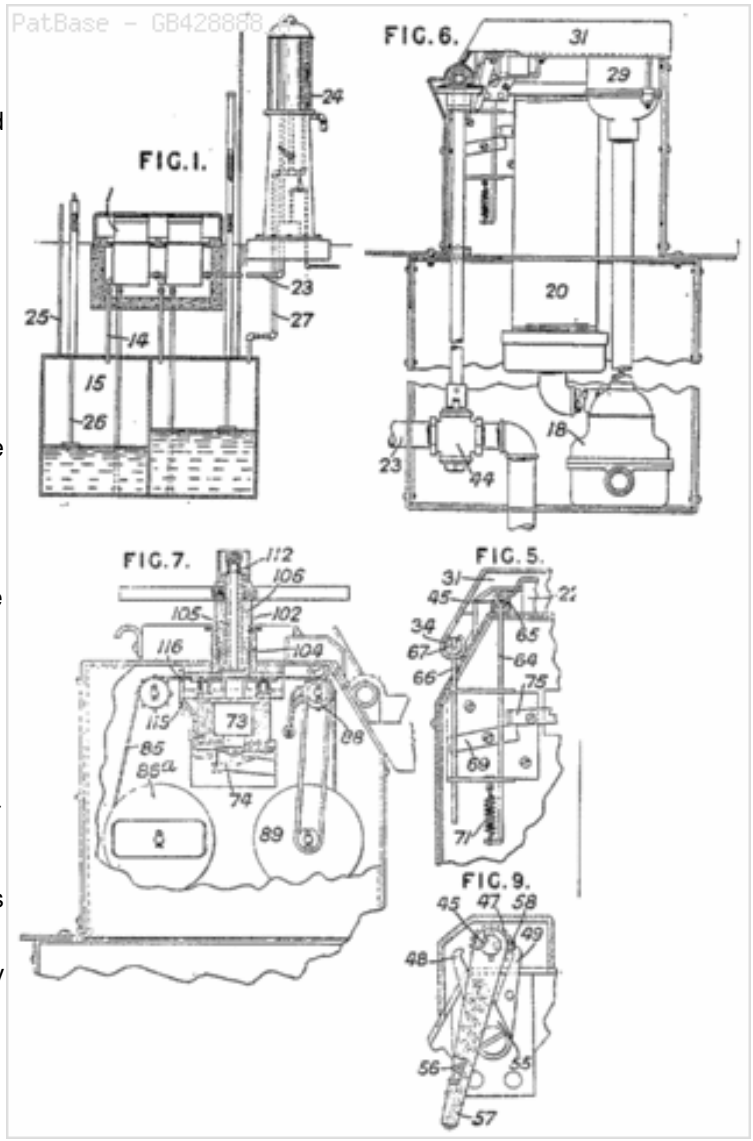
Family:

Publication number	Publication date	Application number	Application date
GB428888 A	19350521	GB19340012094	19340421

Probable Assignee:	RALPH GIPSON WHITLOCK
Assignee(s):(std):	RALPH GIPSON WHITLOCK
International class (IPC 8–9):	B67D7/32 (Advanced/Invention); B67D7/32 (Core/Invention)
International class (IPC 1–7):	B67D5/16
CPC:	B67D7/3227
European class:	B67D7/32D

Classification Explorer

Abstract:
Source: GB428888A 428,888. Tanks. WHITLOCK, R. G., 1130, West 8th Street, Los Angeles, U.S.A. April 21, 1934, No. 12094. [Class 69 (i)] [See also Groups XVIII, XXII, and XXV] A device for use with a storage tank 15, Fig. 1, having inlet and outlet pipes 14, 23, the latter being connected to a dispensing device 24, comprises a housing 1 which has an inlet passage and a cover therefor, means being provided for registering the number of times said cover is opened to provide access to the inlet passage. Means are also provided for the following purposes; (1) to prevent reversal of the direction of movement of the cover once an opening or closing movement has been started, thus to ensure actuation of the registering means; (2) to ensure the severance of a token before access is obtained to the cover and (3) to prevent dispensing whilst filling is in progress. The housing 1 is provided with an outer cover 31, Figs. 5 and 6, which, when unlocked and opened, firstly gives access to a second cover 22, which covers the inlet 20, leading to the pipe 14 via a meter 18 having a visible register 29, and secondly operates a valve 44 to close the draw off pipe 23, thereby preventing dispensing whilst the tank is being filled. When the lock controlling the cover 22 is operated, a cam is moved to operate a member 75, Fig. 5, to depress a member 69 connected to rods 64, 66 in such a way that when one is moved upwardly the other is moved downwardly. The rod 64 is normally moved upwardly by a spring 71 so that when the cover 22 is closed the rod enters a slot 65 in the hingeshaft 45 and locks the cover. When the cover 31 is opened, a slot 67 in the hinge–shaft 34 is positioned immediately below the rod 66. Accordingly when the member 69 is depressed, the rod 64 is withdrawn to free the cover and the rod 66 is raised to lock the cover 31 in the open position. When the cover 22 is operated and the shaft 45 is rotated, teeth 47, Fig. 9, run



over one of two pawls 48, 49, thus preventing reverse movement until a pin 58 upon the shaft, and working in a slot in a sleeve connected to a member 57, engages one end of the slot and moves the member 57 to bring the appropriate pawl into engagement with the teeth by means of a spring 56 and a member 55. During closing of the cover, the shaft 45, through gearing including a one–way drive, rotates a sprocket 88, Fig. 7, to wind a strip 85 from a supply–roll 86a to a take–up 89; before the key may be inserted in the lock 73 which controls the lid 22, a hole must be punched in the tape, and to this end a detachable punch 102 is inserted in a screwed member 104, the cutting–toll 105 being prevented from rotation with the sleeve 106 by a pin which engages a slot in the member 104. The part removed from the strip is used as a token, and is detached from the tool after removal of the punch by depression of a member 112. The end portion of the tape is suitably formed or coloured to give warning that replenishment is necessary, and in order to prevent operation of the lock 73 when the supply of tape is exhausted, the tape passes through an aperture 116 in a member 115 which it thus normally maintains raised and which falls when the supply of tape is exhausted, and prevents movement of the cam 74 which engages the member 75. The tank 15 has a float–indicator 26, a vent 25 and a return 27.

33) Family number: 57484887 (CO6960050U) © PatBase

Title: CAJA PARA MEDIDOR DE AGUA WATER METER BOX (Machine translation)

Priority: CO20130277190U 20131126

Family:

Publication number	Publication date	Application number	Application date
CO6960050 U1	20140530	CO20130277190U	20131126

Probable Assignee: METALMECANICA DE OCCIDENTE S A

Assignee(s):(std)**:** METALMECANICA DE OCCIDENTE S A

Assignee(s): METALMECANICA DE OCCIDENTE SA

Inventor(s):(std)**:** VELASCO OTALVARO RIGOBERTO

International class (IPC 8–9): G01F15/14 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CO6960050U [Source: Claim 1] 1. Water meter box (1) characterized by comprising the following parts: – A truncated pyramid parallel hollow base material manufactured plastic, wherein: the two bases are rectangles with corners rounded; the height of said truncated pyramid is between 190 and 210 mm; the length of the trunk base is between 480 and 490 mm, the width of the base of the trunk is between 375 and 385 mm, the length of the upper trunk of the pyramid between 425 and 435 mm and width of the upper part between 315 and 325 mm – The sides of the trunk (10) have fins (11) projecting of the trunk, between two and six by the longer side, two and four the shortest and between zero and one side (12) at each corner of the sides trunk – The shorter sides of the sides of the trunk each possess, in the trunk base, an opening (13) of between 50 and 60 mm wide – The upper base of the trunk (20) has an opening pyramid where fit a first cover (21) made of steel. Said first cap and the truncated pyramid you are bound only by a hinge (24) placed on one side of said cover. – The first cover (21) has an opening which fits a second smaller lid (22), so that said second lid (22) It is attached to the first cover (21) only by a hinge. – The first cover (21) with the truncated pyramid have a system lock (23) 5

0) US2015344285A – INTEGRATED HYBRID WATER AND BEVERAGE DISPENSER ...

34) Family number: 60977140 (US2015344285A) © PatBase

Title: INTEGRATED HYBRID WATER AND BEVERAGE DISPENSER AND BREWING CUPS FOR USE THEREWITH

Priority: US20140292889 20140531

Family:

Publication number	Publication date	Application number	Application date
US2015344285 AA	20151203	US20140292889	20140531
US9521921 BB	20161220	US20140292889	20140531

Probable Assignee: JOSEPH STEVEN W

Assignee(s):(std)**:** JOSEPH STEVEN W

Inventor(s):(std)**:** JOSEPH STEVEN W

Agent(s): JAMES MICHAEL; JAMES M SMEDLEY LLC

International class (IPC 8–9)**:** A47J31/00 A47J31/06 A47J31/36 B65D85/804 B67D1/08 (Advanced/Invention)

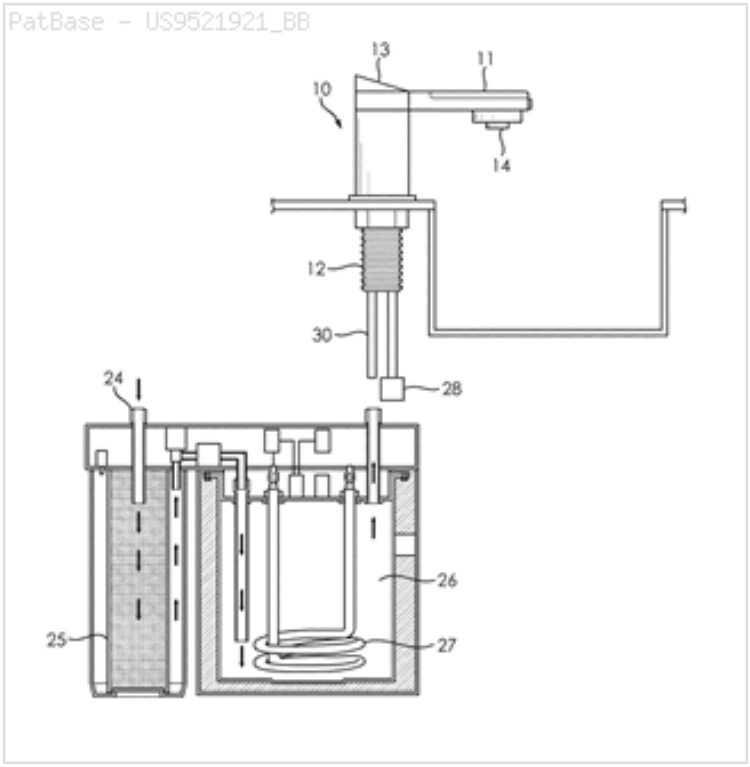
CPC: A47J31/369 A47J31/0668 A47J31/3676 A47J31/368 A47J31/3685 B65D85/8043

US class: 222/173

Classification Explorer

Cited documents: US7997187 BB, US7650830 BA, US5816135 A, US2015004288 AA, US2014123859 AA, US2013220140 AA, US2013129871 AA, US2012231126 AA,

Abstract:
Source: US2015344285A The present invention relates to the field of beverage dispensers. Specifically, embodiments of the present invention provide an apparatus capable of dispensing water and other beverages through single serving or similar brewing containers. Preferred embodiments of the present invention are configured to be integrated within, on, upon an existing sink or water basin and operate in conjunction with an existing pressurized water source, such as municipal water source, well water source or other residential or commercial pressurized water system.



0) AU2008200543A – LIGHT–WEIGHT, MASS–PRODUCIBLE, COMBINED CHASSIS...

35) Family number: 43705157 (AU2008200543A) © PatBase

Title: Light–weight, Mass–producible, Combined Chassis, Battery Housing, Cooling System Structure for Solar Electric Vehicle

Priority: AU20080200543 20080201

Family:

Publication number	Publication date	Application number	Application date
AU2008200543 AA	20090827	AU20080200543	20080201
AU2008200543 BB	20101125	AU20080200543	20080201
AU2008200543 BH	20110120	AU20080200543	20080201

Probable Assignee: ERROL SMITH

Assignee(s):(std)**:** ERROL SMITH

Assignee(s): SMITH ERROL JOHN DR

Inventor(s):(std)**:** SMITH ERROL JOHN

Inventor(s): ERROL JOHN SMITH

Agent(s): SMITH ERROL JOHN DR

International class (IPC 8–9)**:** B60H1/26 B60K1/04 B60K11/06 B60R16/04 B60S5/06 B60W10/24 B62D21/00 H01M6/50 (Advanced/Invention); B60S5/00 B60W10/24 (Core/Invention)

CPC: B60L2200/26 B60S5/06 B60K16/00 B60K2001/0455 B60K2001/0461 B60K2001/0494 B60K2016/003 B60L8/003 B60L11/1822 B60L11/1877 B60W10/08 Y02T10/7005 Y02T10/705 Y02T10/7072 Y02T10/7083 Y02T10/90 Y02T90/124 Y02T90/14

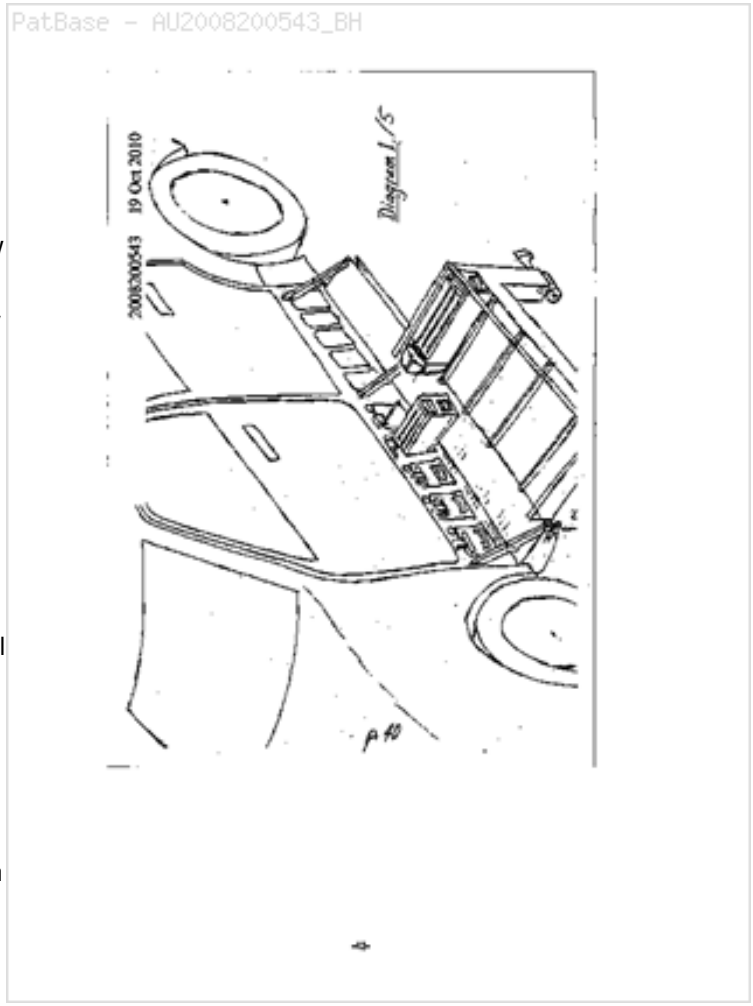
European class: B60K16/00 B60L11/18L6 B60L11/18M36 B60L8/00B B60S5/06 B60W10/08 L60K1/04C L60K1/04C1 L60K1/04C13 L60K16/00A Y02T10/70B Y02T10/70H4 Y02T10/70J Y02T10/70J2B Y02T10/90 Y02T90/12F Y02T90/14

Classification Explorer

Cited documents: US7201384 BB, US5833023 A, US5542488 A, US5501289 A, US3989118 A, US1566089 A, US1335243 A, JP11178115 A2,

Forward Citations: WO16135691, US8356852, US8256807, ITMI20121368, EP3070763, EP2749442, EP2463162, DE202011004219, DE102013225137, DE102012012739, CN104340020, CN103241220,

Abstract:
Source: AU2008200543A Solar Electric Vehicle System Not Requiring Major Energy Distribution Infrastructure Change Abstract Present "plug−in" electric motor vehicles recharge their batteries from the main electric power grid. Unfortunately for some years to come this grid will often still bum coal to generate electricity and thus contribute significant amounts of greenhouse gases. How can one rapidly introduce fully solar powered electric vehicles without the delay of building major new environmentally responsible energy generation and distribution infrastructure? The best solution to this problem is using small−scale domestically located solar (or wind) generated power to recharge an extra set of batteries for all−electric vehicles. After initial outlay costs the average commuter would have almost zero fuel costs, and with very little labour involved. The present patent claims are for a system or plant with a variety of rapid battery charging, and or, rapid battery exchange modes. The rapid exchange system is not overly automated and is suitable even for the motorist with less than average physical strength − for the person who cannot or does not want to manoeuvre heavy batteries. The system also uses the whole underfloor space of the vehicle for batteries enabling a much greater payload of batteries and extending the usual range of travel in all electric mode. As well as environmental and economic advantages there are numerous engineering, efficiency and safety advantages in the system proposed. Machines for the manufacture of key components are also described....



0) FI912900A – ASENNUS– JA VUOTOVESILAATIKKO PIILOASENTEISIA V...

36) Family number: 5775684 (FI912900A) © PatBase

Title: Asennus– ja vuotovesilaatikko piiloasenteisia vesijohtoja varten Monterings– och laeckagevattenlada foer dolt monterade vattenledningar

Priority: FI19910002900 19910614

Family:

Publication number	Publication date	Application number	Application date
FI90369 B	19931015	FI19910002900	19910614
FI90369 C	19940125	FI19910002900	19910614
FI912900 A	19921215	FI19910002900	19910614
FI912900 A0	19910614	FI19910002900	19910614

Probable Assignee: HUBER AB OY

Assignee(s):(std)**:** HUBER AB OY ; HUBER OY ; HUBER OY AB

Assignee(s): OY HUBER AB

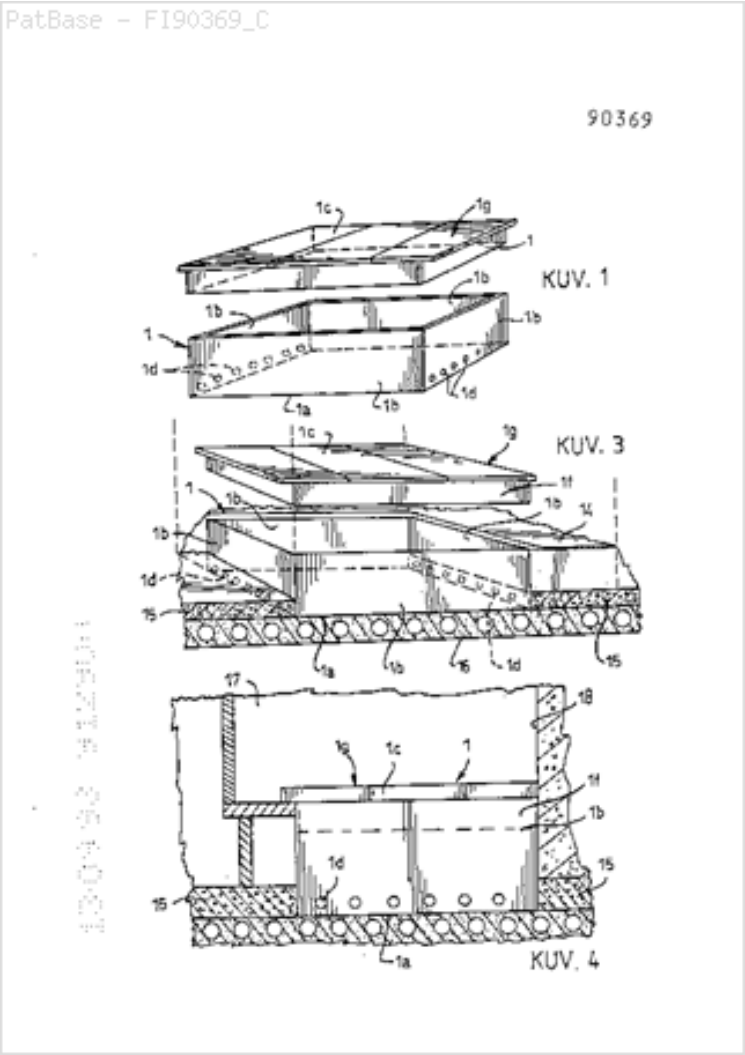
Inventor(s):(std)**:** ANKKURI JOUKO

International class (IPC 8–9)**:** E03C1/00 (Advanced/Invention); E03C1/00 (Core/Invention); E03C (Subclass/Invention)

International class (IPC 1–7)**:** E03C1/00

Classification Explorer

Abstract:
Source: FI912900A The invention relates to an installation and leakage water box 1 for concealed water pipes, which comprises a bottom part 1a, side parts 1b, and a cover part 1c, which is to be fitted above the floor surface, for example at the level of a cupboard plinth surface, and which can be at last partially opened or released, the side parts being provided with openings or weakened points 1d for the water pipes. The installation and leakage water box according to the invention is particularly suitable for apartment buildings.



0) WO11147021A1 – EXPANDABLE POLYMER BLADDER APPARATUS FOR UNDERW...

37) Family number: 50015866 (WO11147021A1) © PatBase

Title: EXPANDABLE POLYMER BLADDER APPARATUS FOR UNDERWATER PIPELINES AND WELLS

Priority: US20100349721P 20100528 US20100353913P 20100611 US20100366491P 20100721

Family:

Publication number	Publication date	Application number	Application date
WO11147021 A1	20111201	WO2011CA00607	20110530

Probable Assignee: KRAHN PETER KARL

Assignee(s):(std)**:** KRAHN PETER KARL

Inventor(s):(std)**:** KRAHN PETER KARL

Agent(s): BURRI STEPHEN R

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): E21B33/02 F16L1/26 F16L17/10 F16L25/14 F16L55/134 F16L55/162 (Advanced/Invention)

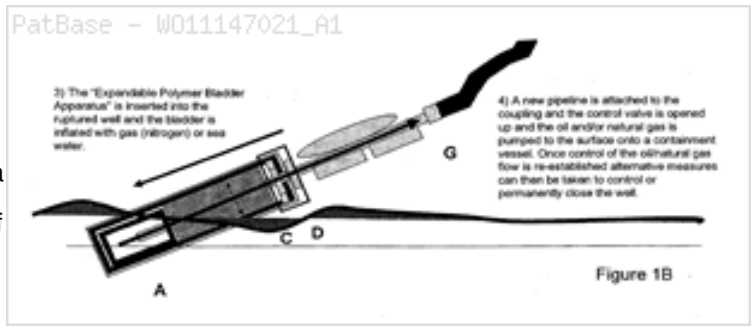
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European class: E21B33/02 E21B33/127 E21B33/127S E21B33/128 E21B33/129 E21B33/129F E21B33/12F F16L55/134

Classification Explorer

Cited documents: WO9809054, WO0047928, US4783045, US2008193221,

Abstract:
Expandable polymer bladder apparatus embodiments with flow control mechanism for initially reducing and regaining control of the flow and subsequently in stopping or regulating and controlling the flow of fluids from a ruptured pipeline or well particularly in a deep (sea) underwater scenario. The apparatus has an expandable bladder made of a polymer resistant to rupture by internal or external pressure, piercing by physical abrasion or contact with sharp surfaces and chemical degradation by the fluid being brought under control, and is concentrically mounted around a fluid transport and control tube resistant to rupture by internal pressure, piercing by physical abrasion or contact with sharp surfaces and chemical degradation by the fluid being brought under control, and a fluid transport tube having an inlet port which does not have flow control and an exit port which has a flow control valve and a connective coupling.



0) AU2014101395B – MULTI ROW, FOLIAR AND WEEDICIDE COMBINED, INDEP...

38) Family number: 58292704 (AU2014101395B) © PatBase

Title: MULTI ROW, FOLIAR AND WEEDICIDE COMBINED, INDEPENDENT VINEYARD SPRAYER

Priority: AU20140101395 20141125

Family:

Publication number	Publication date	Application number	Application date
AU2014101395 AD	20150115	AU20140101395	20141125
AU2014101395 BD	20150903	AU20140101395	20141125

Probable Assignee: DON MANJULA

Assignee(s):(std)**:** DON MANJULA ; MUNASINGHE MUNAGAMAGE

Assignee(s): MUNASINGHE MUNAGAMAGE DONA SUBASHINI PRIYADARSHI MRS ; DON MANJULA NISHANTHA UDAGEPOLAGE MR

Inventor(s):(std)**:** MUNASINGHE MUNAGAMAGE DONA SUBASHINI PRIYADARSHI ; UDAGEPOLAGE DON MANJULA NISHANTHA

International class (IPC 8–9): A01M7/00 A01N25/00 (Advanced/Invention)

Classification Explorer

Cited documents: WO9211759 A1, US2014263704 AA, US2012248227 AA, JP8051912 A2, CN103314833 A, CN101796943 A,

Abstract:
Source: AU2014101395B Application of weedicide (using multi−row weedicide sprayer) and foliar chemicals (using multi−row foliar chemical sprayer) separately in vineyard operation is commonly used. Although it is not an efficient option in terms of fixed, operational and maintenance cost, time spend for spraying and space required to park in idle time. Due to PTO and hydraulic connections, the tractor attached to weedicide or foliar chemical sprayers can't directly use for any other farm activates. Multi−row, foliar and weedicide combined, independent vineyard sprayer will provide the answer for these issues. The sprayer is built as one hitch wheeled trailer that can easily mounted (hooked) with drawbar of most of farm machineries. The sprayer comprises of 230V petrol operated electricity generator, 12V Pb−acid battery, 3000L – 5000L water storage, 200L weedicide and foliar chemical storage tanks (separate), 12V pressure pumps, flow control valves, two mechanically expandable arms, weedicide dispensing nozzle units, foliar chemical dispensing nozzle units fitted to high velocity electric fans and monitoring and controlling devices such as night vision cameras and three monitoring screens and controlling panel. With this sprayer, there is no need to mix weedicide or foliar chemicals with water. Both of them can be used as it is in 20L to 200L containers or they can be filled to 200L movable storage tanks; simply want to insert and secure liquid sucking tubes in to separate tanks. Flow control system will dispense at pre−set mixing ratio (water and chemicals) and volume through both weedicide and foliar application nozzles. Control panel is semi−wired device which is starting from the front of the sprayer and going to operating area. Both arms of the spryer are connected to mechanical (Figure 6) device that can control the arms and arm rest locking and unlocking mechanism. There are multiple adjustments to adjust arm lengths, nozzle heights and raw spacing to give wide range of flexibility. Weedicide and foliar chemical sprays can be carryout simultaneously (during both day and night) at pre−set rate and the sprayer−operator can monitor spraying progress with live monitors and flow meters in the control panel. The sprayer can be used as solo sprayer of weedicide or foliar chemical sprayer. When it uses for only foliar chemical application, weedicide dispensing nozzle units can be bend and store (Figure 5) in secure position. Cleaning of sprayer after use is safer and easy: need to remove and store remaining chemicals with 200L tanks in safe place or need to wash and clean 200L movable tanks. So there is minimum chance to contamination with previously used chemicals.

PatBase - AU2014101395_BD

EDITORIAL NOTE

Application No. 2014101395

There are 5 pages of drawings

0) FI911517A – ASENNUS– JA VUOTOVESILAATIKKO PIILOASENTEISIA V...

39) Family number: 5764074 (FI911517A) © PatBase

Title: Asennus– ja vuotovesilaatikko piiloasenteisia vesijohtoja varten Monterings– och laeckagevattenlada foer dolt monterade vattenledningar

Priority: FI19910001517 19910327

Family:

Publication number	Publication date	Application number	Application date
FI90368 B	19931015	FI19910001517	19910327
FI90368 C	19940125	FI19910001517	19910327
FI911517 A	19920928	FI19910001517	19910327
FI911517 A0	19910327	FI19910001517	19910327

Probable Assignee: HUBER AB OY

Assignee(s):(std)**:** HUBER AB OY ; HUBER OY AB

Assignee(s): OY HUBER AB

Inventor(s):(std)**:** ANKKURI JOUKO

International class (IPC 8–9)**:** E03C1/00 (Advanced/Invention); E03C1/00 (Core/Invention); E03C (Subclass/Invention)

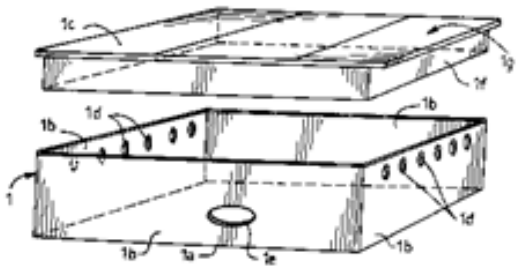
International class (IPC 1–7)**:** E03C1/00

Classification Explorer

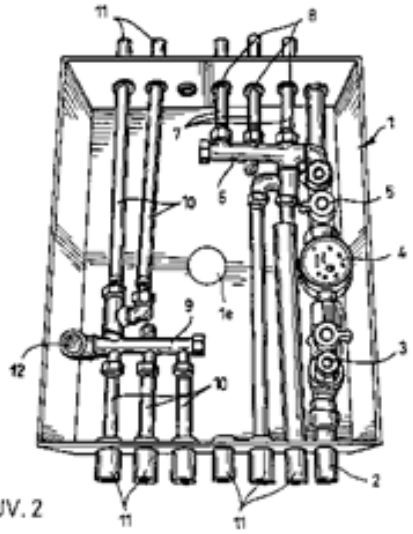
Abstract:
Source: FI911517A The invention relates to an installation and leakage water box 1 for concealed water pipes, which has a bottom part 1a, side parts 1b, and a cover part 1c, which is to be fitted flush with the floor surface, and which can be at last partially opened or removed, the side parts having been provided with openings or weakened points 1d for the water pipes and the bottom part having an opening or openings 1e for drainage of the leakage water.

PatBase - FI90368_C

90368



KUV. 1



KUV. 2

0) KR200236268Y – WATER METER BOX COVER (MACHINE TRANSLATION)

40) Family number: 63452998 (KR200236268Y)

© PatBase

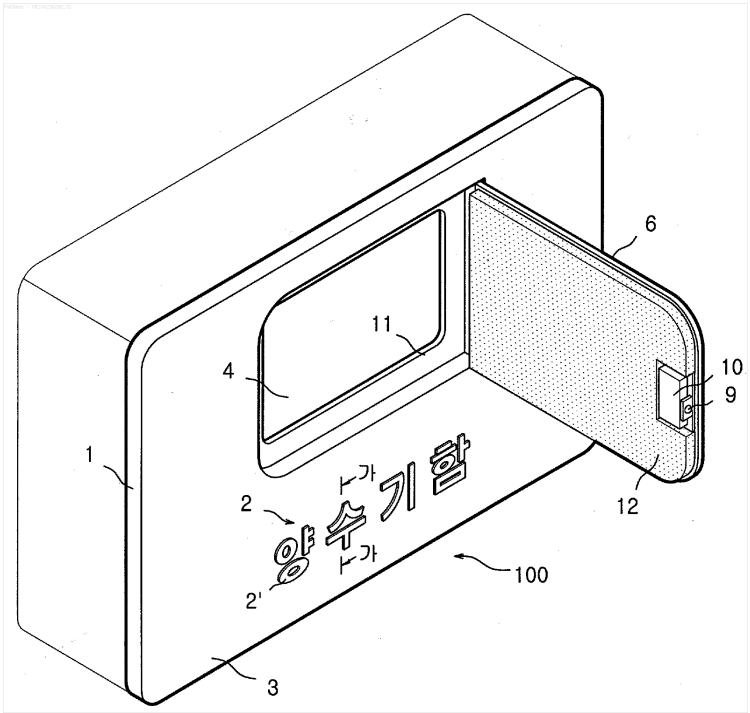
Title:	Water meter box cover (Machine translation)
Priority:	KR20010007566U 20010320

Family:

Publication number	Publication date	Application number	Application date
KR200236268 Y1	20011008	KR20010007566U	20010320

Probable Assignee:	LTD FOR SM
Assignee(s):	LTD FOR SM
International class (IPC 1–7):	E03B9/06

Abstract:
Source: KR200236268Y This devise relates to a stainless steel material water meter box cover to install protect the water meter, and molded the character that is displayed in more detail are covered with embossed, to smooth the four corners without seams for metering the water usage molded relates to a water meter must be covered by an elegant appearance. According to the present invention, in the folded portion and the characters stainless steel material valve element drill holes for inspection inside this handle the ball perforated closing door also a water meter installed to be opened and closed by a hinge cover of the display, bending a corner of the plate body molded avoid incision portion is formed in, displays the characters in relief, hayeoseo the outer periphery of the knob hole to form a protrusion in place of a conventional synthetic resin grip and welding the stone seolhan handle ball receiving obstacle group for locking inside thereof the water meter box cover is being provided. Cover plate body, bent section, letters, and projections.



0) US2001013244A – METHOD AND APPARATUS FOR VERIFYING INTEGRITY OF...

41) Family number: 29729673 (US2001013244A) © PatBase

Title: Method and apparatus for verifying integrity of cascade impactors

Priority: US19990138742 19990611 US19990138742P 19990611 US19990360466 19990723 US20000733108 20001208 US20020071273 20020207 US20000733106 20001208 US20000679936 20001005 US20000567552 20000505 US20010266984P 20010207 US20040823143 20040413 WO2002US03893 20020207

Family:

Publication number	Publication date	Application number	Application date
AT391903 E	20080415	AT20020709445T	20020207
AU2002243928 AA	20020819	AU20020243928	20020207
DE10028599 A1	20001228	DE20001028599	20000609
DE10028599 B4	20120209	DE20001028599	20000609
DE10149048 A1	20020704	DE20011049048	20011005
DE10160573 A1	20020620	DE20011060573	20011210
DE10160590 A1	20020613	DE20011060590	20011210
DE60226018 D1	20080521	DE20026026018	20020207
DE60226018 T2	20090520	DE20026026018T	20020207
EP1379853 A2	20040114	EP20020709445	20020207
EP1379853 B1	20080409	EP20020709445	20020207
GB200014300 A0	20000802	GB20000014300	20000612
GB200123978 A0	20011128	GB20010023978	20011005
GB200128625 A0	20020123	GB20010028625	20011129
GB200129158 A0	20020123	GB20010029158	20011205
GB2351155 A1	20001220	GB20000014300	20000612
GB2351155 A8	20080717	GB20000014300	20000612
GB2351155 B2	20030702	GB20000014300	20000612
GB2351155 B8	20080717	GB20000014300	20000612
GB2369784 A1	20020612	GB20010029158	20011205
GB2369784 B2	20050316	GB20010029158	20011205
GB2371861 A1	20020807	GB20010023978	20011005
GB2371861 A8	20080804	GB20010023978	20011005
GB2371861 B2	20040714	GB20010023978	20011005
GB2371861 B8	20080804	GB20010023978	20011005
GB2372719 A1	20020904	GB20010028625	20011129
GB2372719 B2	20040818	GB20010028625	20011129
US2001013244 AA	20010816	US20000733106	20001208
US2002071342 AA	20020613	US20000733108	20001208
US2002081748 AA	20020627	US20020071273	20020207
US2004250634 AA	20041216	US20040823143	20040413
US6431014 BA	20020813	US19990360466	19990723
US6453758 BA	20020924	US20000567552	20000505
US6520673 BB	20030218	US20000733108	20001208
US6647758 BB	20031118	US20000733106	20001208
US6723568 BA	20040420	US20000679936	20001005
WO02063277 A2	20020815	WO2002US03893	20020207
WO02063277 A3	20030220	WO2002US03893	20020207

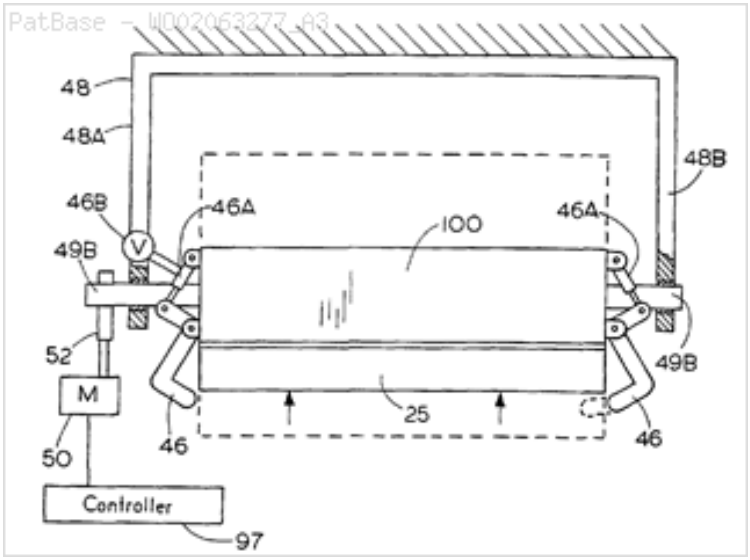
Probable Assignee: MSP CORP

Assignee(s):(std)**:** MSP CORP

Assignee(s):	MSP CORP MINNEAPOLIS ; PNC BANK NATIONAL ASSOCIATION ; ROBERTS DARYL L ; MARPLE VIRGIL A ; MILLER NICHOLAS C
Inventor(s):(std)	LIU BENJAMIN Y H ; MARPLE VIRGIL ; MARPLE VIRGIL A ; MILLER NICHOLAS ; MILLER NICHOLAS C ; ROBERTS DARYL ; ROBERTS DARYL L
Inventor(s):	VIRGIL A MARPLE ; NICHOLAS C MILLER ; LIU BENJAMIN YH ; BENJAMIN Y H LIU ; BENJAMIN YH LIU ; DARYL L ROBERTS
Agent(s):	MCLEISH NICHOLAS ALISTAIR MAXWELL 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 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 ZM ZW
International class (IPC 8–9):	A61M15/00 B01F15/00 B01F9/00 B01F9/04 G01N1/22 G01N1/40 G01N15/02 G01N30/00 (Advanced/Invention); B01F1/00 B01F15/02 G01N1/24 G01N1/34 G01N1/38 G01N15/00 G01N15/02 (Advanced/Non–invention); A61M15/00 B01F15/00 B01F9/00 G01N1/22 G01N15/02 (Core/Invention); B01F1/00 B01F15/02 G01N1/34 G01N1/38 G01N15/00 G01N15/02 (Core/Non–invention)
International class (IPC 1–7):	A61J3/00 B01D45/08 B01F3/06 B01F3/12 B01F9/00 G01M19/00 G01M7/00 G01N1/00 G01N1/12 G01N1/22 G01N1/24 G01N1/40 G01N15/00 G01N15/02 G01N3/30 G01N30/00 G01N33/00
CPC:	G01N2015/0046 G01N1/24 Y10T436/25 G01N1/2208 A61M15/00 A61M2202/064 A61M2209/02 A61M2209/045 B01F1/00 B01F9/0005 B01F9/005 B01F9/04 B01F15/00025 B01F15/0201 G01N15/0255 G01N15/0272 G01N2001/2223 G01N2001/386 G01N2001/4061 G01N2015/0261 G01N2015/0288
European class:	A61M15/00 B01F15/00G2 B01F9/00D B01F9/00P2B16 B01F9/04 G01N1/22B G01N1/22B3 G01N15/02C K61M202/06B K61M209/02 K61M209/04F L01F1/00 L01F15/02B S01N1/22B3 S01N1/22B9A S01N1/24 S01N1/38E S01N1/40S1 S01N15/00S2 S01N15/02C2 S01N15/02F S01N15/02K S01N15/02T
US class:	134/32 134/32S 209/133 366/213 366/213P 366/217 366/217S 422/68.1 422/68.100S 436/174 436/174P 55/318 55/319 73/1.06 73/106 73/12.01 73/12.010S 73/12.08 73/12.080P 73/28.03 73/28.05 73/280.3 73/37 73/863.03 73/863.22 73/863.220P
Classification Explorer	
Cited documents:	WO0184108 A2, US81748 A, US6723568, US6453758 BA, US6431014 BA, US6391151 BB, US6363800 BA, US6267016 BA, US6143573, US6101886 A, US5693895 A, US5496110 A, US5437198 A, US5383163 A, US5343767 A, US5323657 A, US5201231 A, US5197802 A, US5040424 A, US4972957 A, US4907893 A, US4827779 A, US4789245 A, US4764186 A, US4725294 A, US4670135 A, US4640140 A, US4570494 A, US4554051 A, US4523990 A, US4523855 A, US4463595 A, US4452068 A, US4400982 A, US4391151 A, US4387603 A, US4329068 A, US4321822 A, US4274846 A, US4255172 A, US4211116 A, US4189937 A, US4162129 A, US4133202 A, US4057148 A, US4004883 A, US3999742 A, US3983743 A, US3922905 A, US3901798 A, US3795135 A, US3693457 A, US3614434 A, US3518815 A, US3127763 A, US3086332 A, US3001914 A, US2989061 A, US29793 A, US2947164 A, US2650805 A, US2538116 A, US2002069691 AA, US2001029793 AA, US2001013244 AA, US1913979 A, US1755763 A, US13244 A, US1148786 A, US1077456 A, RU840707, JP56076033 A2, JP560760, JP560760, JP560076033, JP56000760 A2, GB2369784 A1, GB2351155 A1, GB2179273 A1, GB1354261 A, FR2695135 A1, DE3545120 A1, DE3110871 A1, DE2832238 A1, DE10149048 A1, DE10028599 A1,
Forward Citations:	WO16067252, WO14153142, WO12150958, WO12123078, WO10033293, WO08095942, WO07120700, WO07120700, WO05099404, WO05099404, WO05038466, WO05015171, WO05015171, WO03044491, WO03019154, WO03019154, WO03004101, WO02063277, WO02063277, USRE44723, US9558755, US9518911, US9513278, US9500569, US9304117, US9138671, US9126140, US9121845, US9121792, US9084958, US9044748, US8955400, US8813583, US8796033, US8767211, US8689648, US8685262, US8671874, US8671738, US8627731, US8596462, US8596148, US8474335, US8252088, US8197120, US8137446, US8015727, US7993585, US7987695, US7736589, US7721589, US7669488, US7659523, US7632353, US7631568, US7616310, US7606178, US7604006, US7532314, US7518710, US7499167, US7458284, US7325969, US7173257, US7152457, US7082811, US7082811, US6786105, US6732569, US6723568, US6685759, US6647758, US2015335530, US2015330965, US2014347663, US2014196549, US2014059985, US2014007708, US2013095010, US2011209528, US2011167932, US2011167931, US2011088492, US2011013479, US2010288057, US2010261280, US2010229657,

US2010108875, US2009320562, US2009078062, US2009066934, US2009056417, US2009027674, US2008316857, US2008295572, US2008047372, US2007269349, US2007205142, US2006268749, US2006246010, US2006240557, US2006102074, US2006007780, US2005102854, US2005081600, US2005028616, US2005016527, US2004250634, US2004065142, US2002134137, US2002081748, RU2506121, JP2015180266, JP2013090907, JP2007501399, GB2496003, GB2496003, GB2453097, GB2453097, GB2449373, GB2449373, GB2441556, GB2441556, GB2372719, GB2372719, GB2371861, GB2371861, EP2679985, EP2527422, EP2343528, EP2115425, EP1688730, EP1455872, EP1379853, CN104226165, CN103477202, CN103477202, CN103071174, CN103071174, CN102713556, CN102713556, CN102323116, AU2001293092,

Abstract:
Source: US2001013244A An impactor assembly comprises a base for supporting a plurality of cups that form impactor plates, and a nozzle above each of the cups through which a flow passes for classification. The cover is removable, and a test cover can be put into position for mounting in place and providing outlets connectable to pressure sensor for determining pressure drop across the nozzle plates at each impactor stage. The cover also is designed to be easily washed by having no blind cavities or moving parts on the cover, and the latch and other hinge assemblies are all supported on the base. The flow enters and exits the impactor without having external connections on the cover.



0) US2015292490A – OCEAN THERMAL ENERGY CONVERSION POWER PLANT

42) Family number: 56436432 (US2015292490A) © PatBase

Title: OCEAN THERMAL ENERGY CONVERSION POWER PLANT

Priority: US20120723498P 20121107 US20130441372 20131107 WO2013US68894 20131107

Family:

Publication number	Publication date	Application number	Application date
CN104903573 A	20150909	CN201380069586	20131107
EP2929184 A1	20151014	EP20130853683	20131107
EP2929184 A4	20160817	EP20130853683	20131107
IN04459DN2015 A	20151127	IN2015DN04459	20150525
JP2015536401 T2	20151221	JP20150540906T	20131107
KR20150081357 A	20150713	KR20157015097	20131107
US2015292490 AA	20151015	US20130441372	20131107
US9556857 BB	20170131	US20130441372	20131107
WO14074686 A1	20140515	WO2013US68894	20131107

Probable Assignee: ABELL FOUND INC

Assignee(s):(std)**:** ABELL FOUND INC ; ABELL FOUNDATION INC

Inventor(s):(std)**:** COLE BARRY R ; ROSS JONATHAN M ; SHAPIRO LAURENCE JAY

Agent(s): CONROY JOHN; FISH AND RICHARDSON PC; DEAN SEAN M 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): F03G7/05 F16L3/00 F16L9/14 (Advanced/Invention); F16L1/15 F16L9/22 (Advanced/Non–invention)

CPC: F16L3/00 F03G7/05 F16L1/15 F16L9/22 Y02E10/34

US class: 138/107 29/446

Classification Explorer

Cited documents: US7431623 BA, US7094310 BB, US5947642 A, US5580187 A, US517192 A, US4718459 A, US4497342 A, US4176863 A, US4147381 A, US4116009 A, US2012011849 AA, US2011318106 AA, US2011173978 AA, US2011120126 AA, US2010275597 AA, US2009309271 AA, US2009301088 AA,

Forward Citations: US2016002894, US2015039139,

Abstract:
Source: US2015292490A An offshore power generation structure comprising a submerged portion having a first deck portion comprising an integral multi−stage evaporator system, a second deck portion comprising an integral multi−stage condensing system, a third deck portion housing power generation equipment, cold water pipe; and a cold water pipe connection.

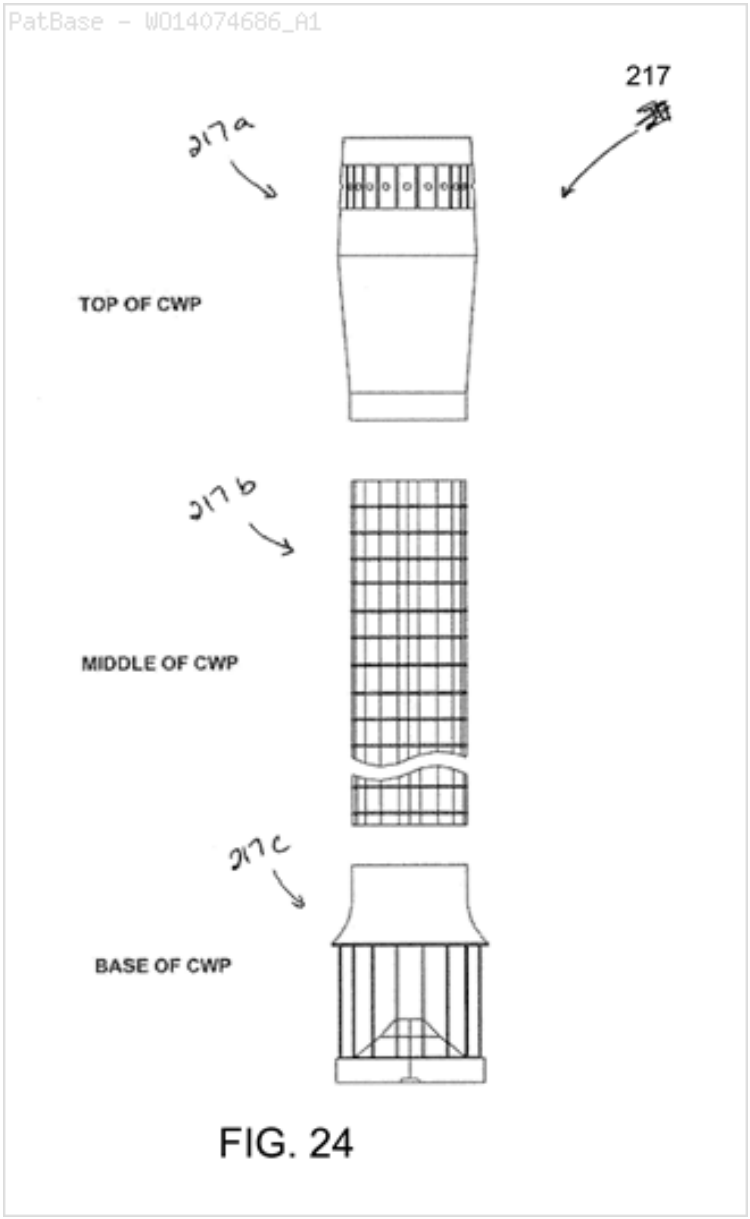


FIG. 24

0) US2016377461A – WAKE TEST INSTRUMENTATION

43) Family number: 64520727 (US2016377461A) © PatBase

Title: WAKE TEST INSTRUMENTATION

Priority: US20150751928 20150626

Family:

Publication number	Publication date	Application number	Application date
US2016377461 AA	20161229	US20150751928	20150626

Probable Assignee: LOCKHEED CORP

Assignee(s):(std)**:** LOCKHEED CORP

Assignee(s): LOCKHEED MARTIN CORP

Inventor(s):(std)**:** BONITSKY DAVID J ; BRIGGS DAVID C

International class (IPC 8–9): G01F1/00 G01F15/18 (Advanced/Invention)

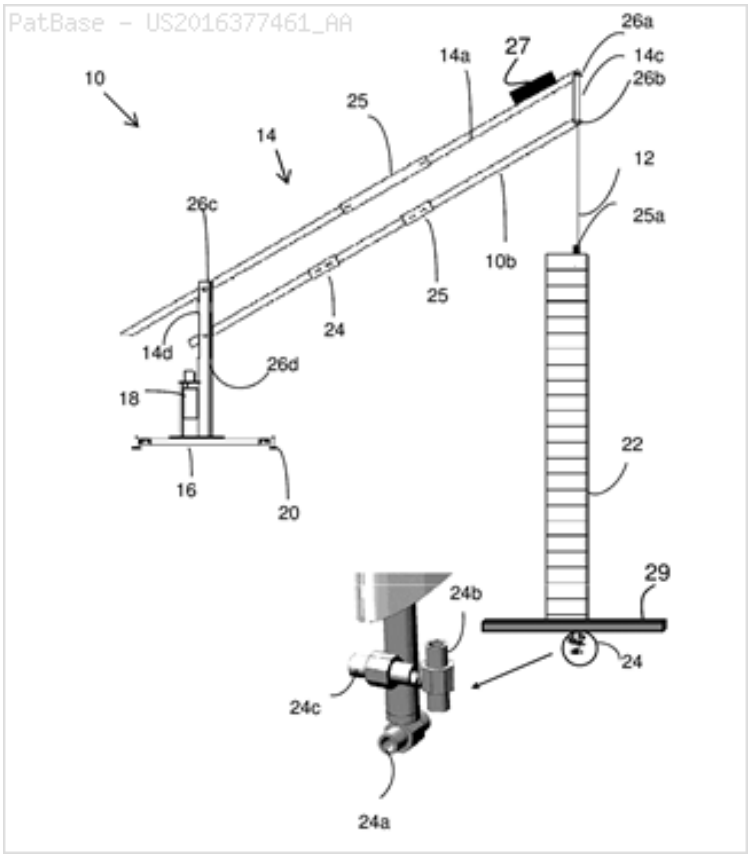
CPC: G01C13/00 B63B9/00

US class: 73/861

Classification Explorer

Cited documents: US5186428 A, US4881210 A, US3740706 A, US1571433 A, KR20130118526 A, KR101531491 B1,

Abstract:
Source: US2016377461A A wake test instrumentation and more particularly, systems and methods for determining wake velocities and directions are provided. The wake test instrument includes a linkage system mounted to a base and a pole pivotally mounted to the linkage system and which comprises a hydrofoil system. The wake test instrument further includes a hydrofoil system mounted to the pole. The wake test instrument further includes a water flow meter mounted to the pole which is structured to measure wake parameters.



0) RU2089753C – REVERSIBLE ENGINE–PUMP–FLOW METER

44) Family number: 10564400 (RU2089753C)

© PatBase

Title: REVERSIBLE ENGINE–PUMP–FLOW METER

Priority: RU19950107436 19950510

Family:

Publication number	Publication date	Application number	Application date
RU2089753 C1	19970910	RU19950107436	19950510
RU95107436 A	19970310	RU19950107436	19950510
RU95107436 A1	19970310	RU19950107436	19950510

Probable Assignee: VYATSKAYA G SELSKOKHOZ AKADEMI

Assignee(s):(std)**:** VJATSKAJA G SEL SKOKHOZJAJSTVENNAJA AKADEMIJA ; VYATSKAYA G SELSKOKHOZ AKADEMI

Assignee(s): VYATSKAYA GOSUDARSTVENNAYA SELSKOKHOZYAJSTVENNAYA ; VJATSKAJA GOSUDARSTVENNAJA SEL SKOKHOZJAJSTVENNAJA AKADEMIJA ; VJATSKAJA GOSUDARSTVENNAJA SEL'SKOKHOZJAJSTVENNAJA AKADEMIJA

Inventor(s):(std)**:** BOLOTOV ALEKSEJ K ; BRITVIN D I ; BOLOTOV A K ; BRITVIN DMITRIJ I ; EREMIN V N ; EREMIN VENIAMIN N

Inventor(s): EREMIN VN ; BOLOTOV A.K. ; BRITVIN D.I.

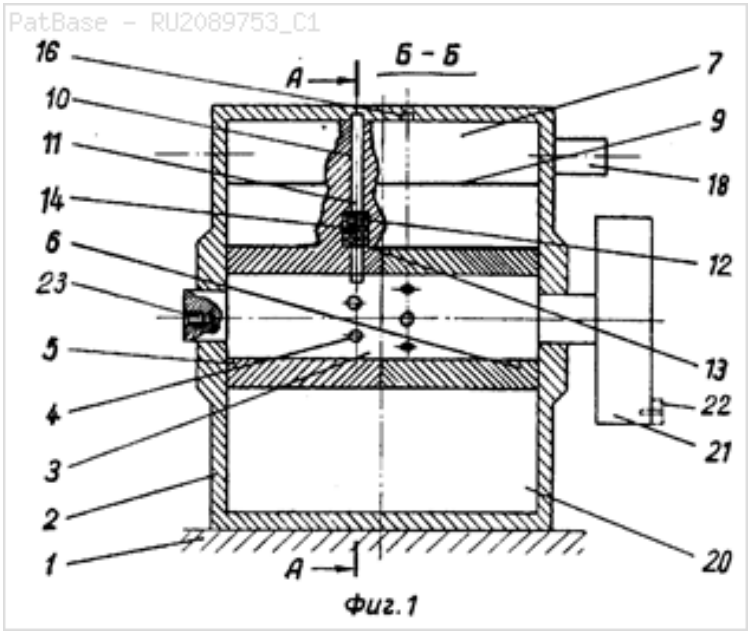
International class (IPC 8–9): F04C2/00 F04C9/00 (Advanced/Invention); F04C2/00 F04C9/00 (Core/Invention)

International class (IPC 1–7): F04C2/00 F04C9/00

Classification Explorer

Abstract:
Source: RU2089753C

FIELD: mechanical engineering, pumps, compressors, flow rate meters. SUBSTANCE: cylindrical housing with solid shaft and hollow shafts and blades is mounted on base. Solid shaft has engagement recesses, and blades have stops with holes, stop rods, mounting washer and springs. Pressure levers are hinge– secured in blades. Cylindrical housing has locking slots and branch pipes. Blades form intake and outlet chambers. Flywheel is mounted on solid shaft. If device is to operate as flow meter, unbalance weight is to be secured on flyweight. EFFECT: higher efficiency. 3 dwg, 1 tbl



Фиг. 1

0) JP11083591A – CITY–WATER METER

45) Family number: 12671931 (JP11083591A)

© PatBase

Title: CITY–WATER METER

Priority: JP19970262701 19970910

Family:

Publication number	Publication date	Application number	Application date
JP11083591 A2	19990326	JP19970262701	19970910

Probable Assignee: RICOH ELEMEX CORP

Assignee(s):(std)**:** RICOH ELEMEX CORP

Inventor(s):(std)**:** YOSHIDA KAZUTSUKA

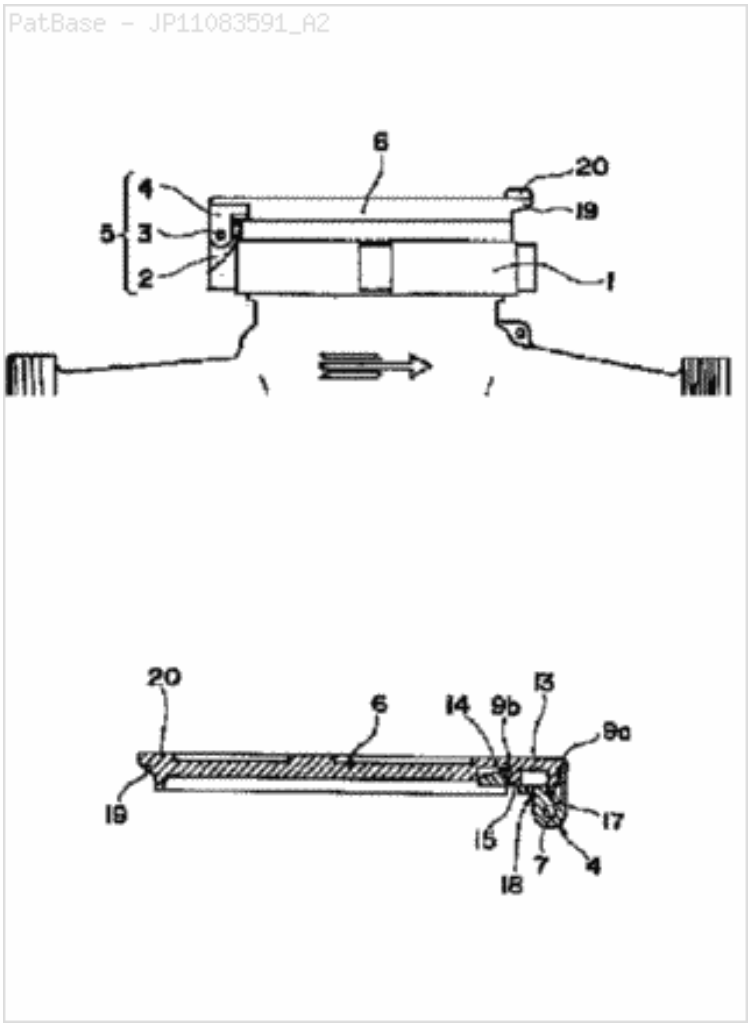
International class (IPC 8–9)**:** G01F1/06 G01F15/14 G01F15/18 (Advanced/Invention); G01F1/05 G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F1/06 G01F15/14 G01F15/18

Classification Explorer

Forward Citations: EP1281711,

Abstract:
Source: JP11083591A PROBLEM TO BE SOLVED: To facilitate fitting of a lid and to prevent a hinge part from being damaged by forming an engagement hole part at one of a rotary piece and the lid and an engagement shaft part at the other, and providing a retaining part for retaining the engagement state for constituting the hinge part. SOLUTION: A lid 6 can be rotated up and down for an upper case 1 by a first hinge part 5. Also, the lid 6 can be rotated horizontally for the upper case 1 by a second hinge part 18 being provided between a rotary piece 4 and the lid 6. More specifically, both are engaged so that the engagement hole part of the rotary piece 4 is outside and an engagement shaft part 15 of the lid 6 is inside. Simultaneously, by engaging gear–lock parts 9a and 9b of the rotary piece 4 and a gear–lock part 14 of the lid 6 up and down, a hinge part 18 is constituted. Since the engagement shaft part 15 of the lid 6 can be rotated for the engagement hole part of the rotary piece 4 in this state, the lid 6 can be rotated horizontally for the upper case 1, thus easily mounting the lid 6 and preventing the hinge part from being damaged when the lid 6 is forcibly opened or closed.



0) DE3309282A1 – GEIGER COUNTER FOR RECORDING THERMALLY OR OPTIC...

46) Family number: 3499903 (DE3309282A1) © PatBase

Title: Geiger counter for recording thermally or optically stimulated exo–electrons

Priority: DE19833309282 19830311

Family:

Publication number	Publication date	Application number	Application date
DE3309282 A1	19840913	DE19833309282	19830311

Probable Assignee: HOLZAPFEL GEORG DR

Assignee(s):(std)**:** HOLZAPFEL GEORG DR

Inventor(s):(std)**:** HOLZAPFEL GEORG DR

International class (IPC 8–9)**:** H01J47/08 (Advanced/Invention); H01J47/00 (Core/Invention)

International class (IPC 1–7)**:** G01L5/24 G01N23/00 G01T1/115 G01T1/18 H01J47/08

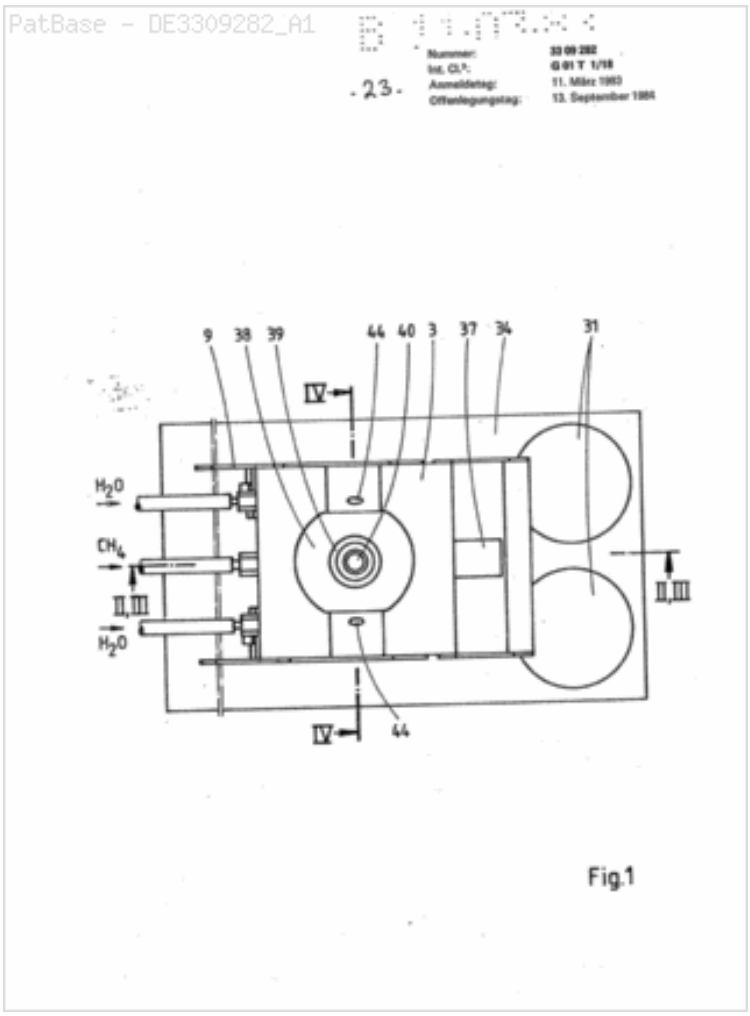
CPC: H01J47/08

European class: H01J47/08

Classification Explorer

Forward Citations: EP1367630,

Abstract:
Source: DE3309282A1 Geiger counter for recording low–energy electrons, particularly thermally or optically stimulated exo–electrons, which has: a rotatable connection of a lower part which accommodates the specimen chamber, and an upper part which accommodates the measuring chamber, by means of a hinge in such a manner that measuring chamber and specimen chamber can be separated by folding up the upper part with the lower part being stationary, for removing specimen and/or calibration source.



47) Family number: 49007652 (US2012271471A) © PatBase

Title: NETWORK SYSTEM AND METHOD OF CONTROLLING NETWORK SYSTEM

Priority:

EP20100837797 20101126 EP20110745216 20110217 EP20110798388 20110622
EP20110798421 20110627 EP20110798387 20110622 EP20110798411 20110624
KR20090115203 20091126 KR20090126362 20091217 KR20090126364 20091217
KR20090126376 20091217 KR20090126375 20091217 KR20090126360 20091217
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Inventor(s):(std)**:** CHANSUNG JEON ; CHEON KANG WOON ; CHEON KANGWOON ; CHEON YEONGJOO ; CHEONG DAL HO ; CHEONG DALHO ; CHOI JAEHYEOK ; CHOI MOON SUK ; CHOI MUN HO ; CHOI MUNHO ; DAEJONG KANG ; EUNGDAL KIM ; GILSUP JEONG ; GO SEOGHO ; GO SEONG ; HAN JIN WOOK ; HAN JONGHEE ; HEO SUNG YONG ; AN JUNHAO ; BAE YONG HWAN ; BAE YONGHWAN ; HOONBONG LEE ; HWANG HYE JIN ; HWANG SANG IL ; HWANG SANGIL ; HYOUNGIUN PARK ; JANG BONGMUN ; JONGMI CHOI ; JOO YOUNG HOON ; JUNG HANSU ; JUNG JI MOON ; JUNG JIMOOM ; JUNG WONKYO ; JUNHO AHN ; KANG DAE JONG ; KANG DAE YONG ; KANG DAEHO ; KANG DAEYONG ; AHN JUNGHO ; AHN JUNHO ; JEONG WONCHUL ; JO KYUGEUN ; KIM DONGHYUN ; KIM EUNG DAL ; KIM EUNGDAL ; KIM HO YOUNG ; KIM MINCHEL ; KIM YANGHWAN ; KIM YONGHUN ; KOONSEOK LEE ; KWAK HYUN JUNG ; KWON JAE KUK ; KANG SUN HEE ; KWON YONG TAE ; KWON YOUN TAE ; MUSEUNG KIM ; OH MIN JIN ; OH YOUNG JIN ; OH YOUNGJIN ; PARK

CHAN GAB ; PARK CHANGAB ; PARK CHULKYU ; PARK DAEHWAN ; PARK HYOUNGJUN ; PARK JINSEUNG ; PARK KYUNGYONG ; PARK PYEONG WON ; PARK PYEONGWON ; PARK SEUNGJE ; SEO BO YOUNG ; SEO BOYOUNG ; SEO DAEGEUN ; SEO EUN KYUNG ; SEO EUNKYUNG ; SEO JEONGSANG ; SEO MOONSEOK ; SEONGHWAN KANG ; SON CHANGWOO ; SON JINHWAN ; SON KU YOUNG ; SON YOUNG HYO ; SON YOUNGHYO ; YANGHWAN KIM ; YEO SANG MIN ; YEO SANGMIN ; YOUN DONGHUN ; MIN BYEONG HO ; LEE DEAGUI ; KWON YONGTAE ; KIM YONG HUN ; KIM YAUNGHWAN ; KIM HOYOUNG ; KI YANG HWAN ; KANG YOUNG HYUN ; KANG SEONGHWAN ; KANG SANG SEOK ; JUNG JIMOON ; JUNG HAN SU ; JOO YOUNGHOON ; JEONG WON CHUL ; JEONG SHIN JAE ; JEONG GILSUP ; JEONG GIL SUP ; JANG YONGWOON ; HWANG HYEJIN ; HAN JONG HYE ; HAN JINWOOK ; GO SEOG HO ; CHOI MOONSUK ; CHOI HOSEON ; CHOI HO SEON ; CHA JU YOUNG ; AHN JUN HO ; YOUN DONG HUN ; SON KUYOUNG ; SON JIN HWAN ; SON CHANG WOO ; SHIN KICHEOL ; SHIN DONGCHUN ; SHIN DONG CHUN ; SEO SANGWOOK ; SEO MUN SEOK ; SEO JEONG SANG ; SEO DAE GEUN ; PARK SEUNG JE ; PARK KYUNG YONG ; PARK JIN SEUNG ; PARK HYOUNG JUN ; PARK DAE HWAN ; PARK CHUL KYU ; MIN BYEONGHO ; LIM TAEYUN ; LEE WOONG HYUN ; LEE WOOK JIN ; LEE SUNG YONG ; LEE KOON SEOK ; LEE HOON BONG ; KWON YOUNGTAE ; KWON JAEKUK ; KWAK HYUNJUNG ; KIM YANGHOON ; KIM YANG HWAN ; KIM MU SEUNG ; KIM MIN CHEL ; KIM DONG HYUN ; KANG YOUNGHYUN ; KANG SUNHEE ; KANG SEONG HWAN ; KANG SANGSEOG ; KANG DAE HO ; JUNG WON KYO ; JO KYUNGEUN ; JO KYUNG EUN ; JEONG SHINJAE ; JEON CHAN SUNG ; JANG YONG WOON ; JANG BONG MUN ; HEO SUNGYONG ; CHOI JONG MI ; CHOI JAE HYEOK ; CHEON YEONG JOO ; CHA JUYOUNG ; AHN JUHNO ; LEE JOONG KEUN ; LEE DAE GUI ; LEE DAEGUI ; LEE HOONBONG ; LEE JEONG WON ; LEE JEONGWON ; LEE JOONGKEUN ; LEE KOONSEOK ; LEE SUNGYONG ; LEE SUNGYOUNG ; LEE WOOKJIN ; LEE WOONGHYUN ; LIM TAE YUN ; SHIN KI CHEOL

Inventor(s): SHIN KICHEOL CHANGWON SIGYEONGSANGNAM DO ; LIM TAEYUN CHANGWON SIGYEONGSANGNAM DO ; MIN BYEONGHO CHANGWON SIGYEONGSANGNAM DO ; LEE KOONSEOK CHANGWON SIGYEONGSANGNAM DO ; LEE HOONBONG CHANGWON SIGYEONGSANGNAM DO ; SHIN DONGCHUN CHANGWON SIGYEONGSANGNAM DO ; KWON YOUNGTAE CHANGWON SIGYEONGSANGNAM DO ; KANG SUNHEE CHANGWON SIGYEONGSANGNAM DO ; KANG YOUNGHYUN CHANGWON SIGYEONGSANGNAM DO ; KWON JAEKUK CHANGWON SIGYEONGSANGNAM DO ; KIM YANGHWAN CHANGWON SIGYEONGSANGNAM DO ; JO KYUNGEUN CHANGWON SIGYEONGSANGNAM DO ; AHN JUNHO CHANGWON SIGYEONGSANGNAM DO ; KANG SANGSEOG CHANGWON SIGYEONGSANGNAM DO ; JEONG SHINJAE CHANGWON SIGYEONGSANGNAM DO ; CHA JUYOUNG CHANGWON SIGYEONGSANGNAM DO ; HEO SUNGYONG CHANGWON SIGYEONGSANGNAM DO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; TER MEER STEINMEISTER AND PARTNER PATENTANWAELTE MBB; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; TER MEER STEINMEISTER AND PARTNER GBR; TER MEER STEINMEISTER AND PARTNER; URNER PETER; VOSSIUS AND PARTNER; DE ELZABURU ALBERTO; MCKENNA LONG AND ALDRIDGE LLP; KED AND ASSOCIATES LLP; DENTONS US LLP; HAW YONG NOKE; CHOI YONG 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 QA 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): A47L15/00 A47L15/42 A47L9/28 B01D35/04 B60L11/00 B60L9/00 D06F33/02 D06F39/00 F24C7/08 F24F11/02 G01R11/00 G01R11/56 G01R11/64 G01R21/00 G01R21/133 G01R22/00 G01R22/06 G01R31/36 G05B11/01 G05B13/02 G05B15/00 G05B15/02 G05D17/00 G05D3/12 G05D7/00 G05F1/10 G05F5/00 G06F1/00 G06F1/26 G06F1/28 G06F1/32 G06F11/30 G06F15/16 G06F15/167 G06F3/048 G06F7/00 G06F9/44 G06Q10/00 G06Q10/04 G06Q10/06 G06Q10/10 G06Q30/00 G06Q50/00 G06Q50/06 G06Q50/26 G08C19/02 G08C25/00 H02J11/00 H02J13/00 H02J15/00 H02J3/00 H02J3/14 H02J3/28 H02J3/32 H02J3/38 H02J3/46 H02J4/00 H02J7/00 H02J7/35 H02J9/00 H02P1/00 H02P29/00 H04L12/10 H04L12/12 H04L12/14 H04L12/16 H04L12/24 H04L12/26 H04L12/28 H04L12/66 H04L29/06 H04Q1/24 H04Q9/04 (Advanced/Invention); B01D35/04 G06F9/44 G06Q10/00 H02J3/00 H02J3/14 H02J3/32 H02J3/38 H04L12/26 (Advanced/Non–invention)

CPC: Y02B70/3233 Y04S20/225 G06Q10/0631 H02P29/00 Y02B90/2684 Y04S40/143 Y02B40/42 G06F1/28 G06F1/3206 H04L12/2807 Y02B90/2669 Y04S40/128 G05B13/02 H04L65/1069 H04L41/0226 H04L12/283 H04L2012/2843 G06F9/45512 H02J2003/003 A47L2401/30 H02J9/002 A47L2501/02 A47L2501/05 H04L67/125 H04L67/12 H02J7/02

G06F11/3065 G06F11/3058 H04L12/2823 H04L67/02 H04L12/282 H04L67/2823 G05B15/02 Y04S20/44 D06F2204/10 D06F2212/02 G06F1/26 H02J7/0004 H04L12/2809 Y02B60/32 A47L15/0063 H04L12/2827 Y02E70/30 F24F11/006 F24F2011/0047 F24F2011/0071 F24F2011/0094 H02J3/387 A47L15/0047 A47L2401/34 H02J3/381 H02J2003/007 Y02E60/76 Y04S10/12 Y04S40/22 H04L12/2825 H04L43/0817 H02J3/382 H02J7/35 G06Q10/06312 H02J4/00 A47L15/4293 H04L12/2818 H04L12/66 Y10T307/406 Y10T307/766 Y04S40/168 H04L12/16 Y02B70/30 H04L12/14 G06F3/048 H04Q9/04 H04W52/00 G01R11/64 G08B25/06 Y02B60/31 Y04S10/545 G06Q20/145 H02J13/0096 H02J2007/0098 H02J3/32 H02J3/383 H02J3/386 H02J3/46 H02J13/0024 H02J13/0062 H02J13/0075 H02J13/0086 Y02B90/2623 Y02B90/2638 Y02B90/2653 Y02E10/563 Y02E10/566 Y02E10/763 Y02E40/72 Y04S10/123 Y04S40/122 Y04S40/124 Y04S40/126 H02J3/28 H02J13/0006 H04L12/2803 H04L12/2816 H04L12/2834 H04L2012/285 Y02B70/325 Y02B90/222 Y02B90/244 Y02B90/246 Y04S20/12 Y04S20/228 Y04S20/327 Y04S20/42 G06Q30/00 H02J13/0079 H04L41/0833 Y02B70/3216 Y04S20/221 Y04S40/162 D06F39/005 H02J13/001 H02J13/0055 H04L12/12 H04L12/24 H04L41/00 Y02B60/34 Y04S10/40 H04L12/2814 H02J9/005 Y02B40/50 G06Q50/26 G01R22/00 H02J13/00 G06Q50/00 H02J2003/143 H04L12/10 Y02B70/3266 Y04S20/242 D06F33/02 D06F37/304 D06F2202/12 D06F2204/065 H04Q1/24 G06Q30/016 H02J3/14 H02J2003/146 Y02B70/3225 Y04S20/222 Y04S20/224 Y04S10/54 G01R11/56 G01R21/1333 G08C19/02 H04L12/28 H02J3/008 Y04S50/10 D06F2216/00 G06Q10/10 G06Q50/06 G06Q10/04 G06Q10/06 Y10T307/50

European class: A47L15/00C16 A47L15/00C4 D06F33/02 D06F39/00P G06F9/455B2B G06Q10/06 G06Q30/00 G06Q50/06 H02J13/00F4D H02J3/00T H02J3/14 H02J3/32 H02J3/38D1 H02J3/46 H02J9/00R H04L12/10 H04L12/12 H04L12/24 H04L12/24E1B3C H04L12/26M3A2 H04L12/28H H04L12/28H2 H04L12/28H2A H04L12/28H3 H04L12/28H3A H04L12/28H4A H04L12/28H4B H04L12/28H5 H04L12/66 H04L41/00 H04L41/08A3C H04L43/08D K47L15/00C16 K47L401/30 K47L401/34 T02J3/00L T02J3/14H T02J3/14T T04L12/28H10B Y02B60/34 Y02B70/32B2 Y02B70/32D2 Y02B70/32D2B Y02B90/26B10 Y04S20/22B Y04S20/24B Y04S20/24B2 Y04S40/12J

US class: 1/1 307/116 307/31 307/43 318/445 700/1 700/17 700/19 700/22 700/286 700/291 700/292 700/295 700/296 700/297 701/22 701/24 705/7.12 709/201 709/213 709/217 709/224 709/227

Classification Explorer

Cited documents: WO9922284 A1, WO11064671 A2, WO11049358 A1, WO11048181 A1, WO11011408 A1, WO10057827 A1, WO10042550 A2, WO10031029 A1, WO10031027 A2, WO10031027, WO10031025 A1, WO10031019 A1, WO10031012 A1, WO09137654 A1, WO06096854 A2, WO03084022 A1, US9035598 BB, US8977731 BB, US8943857 BB, US8903560 BB, US8869569 BB, US8855829 BB, US8818566 BB, US8818535 BB, US8683236 BB, US8627689 BB, US8618452 BB, US8617316 BB, US8584306 BB, US8562754 BB, US8560133 BB, US8554384 BB, US8548635 BB, US8463448 BB, US8447541 BB, US8429630 BB, US8406933 BB, US8367984 BB, US8335943 BB, US8305032 BB, US8303726 BB, US8280556 BB, US8255090 BB, US8190302 BB, US8183995 BB, US8165724 BB, US8156055 BB, US8138627 BB, US8121737 BB, US8032233 BB, US8024073 BB, US8010815 BB, US8010812 BB, US8007597 BB, US7962248 BB, US7949615 BB, US7813822 BA, US7787991 BB, US7783390 BB, US7738999 BB, US7715951 BB, US7615957 BB, US7590871 BB, US7561977 BB, US7541941 BB, US7516106 BB, US7510126 BB, US7499978 BB, US7479949 BB, US7469288 BB, US7418428 BB, US7379997 BB, US7379791 BB, US7373222 BA, US7343226 BB, US7274975 BB, US7203736 BA, US7188002 BB, US7155912 BB, US7130719 BB, US7127330 BB, US7090141 BB, US7062361 BA, US7042176 BB, US7010363 BB, US6980826 BB, US6980079 BA, US6972771 BB, US6940413 BB, US6906617 BA, US6885115 BB, US6860431 BB, US6853291 BA, US6850149 BB, US6757723 BA, US6732019 BB, US6724100 BA, US6633823 BB, US6603218 BA, US6577962 BA, US6493643 BA, US6487509 BA, US6466228 BA, US6456674 BA, US6437799 BA, US6345294 BA, US6244061 BA, US6230325 BA, US6208341 BA, US6204837 BA, US6061668 A, US6023507 A, US6005476 A, US5962992 A, US5924486 A, US5887456 A, US5801940 A, US5781250 A, US5706191 A, US5675503 A, US5581469 A, US5579221 A, US5553094 A, US5544036 A, US5524447 A, US5483234 A, US5436510 A, US5432696 A, US5414640 A, US5410471 A, US5377498 A, US5289362 A, US5285375 A, US5261031 A, US5128938 A, US5059762 A, US4897831 A, US4829560 A, US4819184 A, US4646528 A, US4646320 A, US4463249 A, US4383421 A, US4167679 A, US4008142 A, US2015105931 AA, US2015105923 AA, US2014354234 AA, US2014350743 AA, US2014214219 AA, US2014067151 AA, US2013332000 AA, US2013035802 AA, US2012323385 AA, US2012296799 AA, US2012296488 AA, US2012245744 AA, US2012239214 AA, US2012215370 AA, US2012198274 AA, US2012130557 AA, US2012078432 AA, US2012068854 AA, US2012026726 AA, US2011282514 AA, US2011276192 AA, US2011273007 AA, US2011251732 AA, US2011241616 AA, US2011224838 AA, US2011208365 AA, US2011202418 AA, US2011185511 AA, US2011184574 AA, US2011175742 AA, US2011172841 AA, US2011164055 AA, US2011153110 AA, US2011153106 AA,

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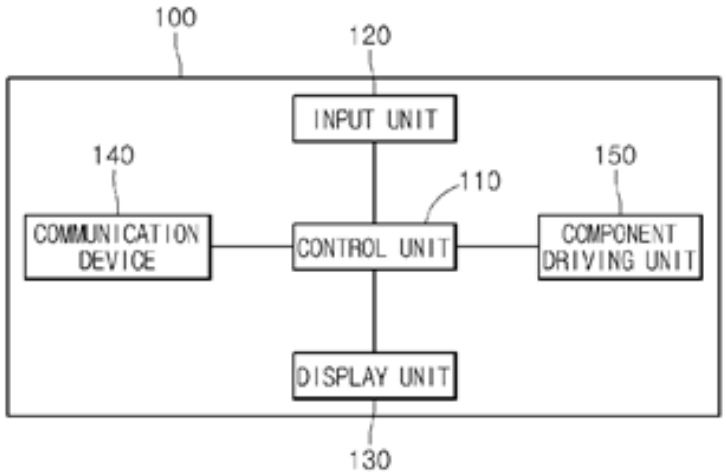
CN201464865 U, CN1873908 A, CN1820457 A, CN1799219 A, CN1661976 A, CN1656661 A, CN1384992 A, CN1371541 A, CN1278339 A, CN101484889 A, CN101094431 A, CN101053136 A,

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Abstract:
Source: US2012271471A A method of controlling a network system is provided. The network system includes a metering device measuring energy supplied from a power supply source, a communication device in which energy information related to the energy communicates, and an energy management device recognizing the energy information, the energy management device controlling an operation of an electric product. The metering device or the energy management device checks whether communication of the communication device is possible. Also, when it is determined that the communication device is in a communication failure state, the communication failure state is displayed on the outside thereof. When a communication modem mounted on the electric product is in a communication failure state, the electric product may normally perform a power management program, based on power or operation information stored therein.

Ref Base - WO12036851_A3

Fig.12



0) CN203642981U – NOVEL TAP WATER METER BOX

48) Family number: 56715383 (CN203642981U) © PatBase

Title:	NOVEL TAP WATER METER BOX
Priority:	CN201320209036U 20130417 CN201320867647U 20131220

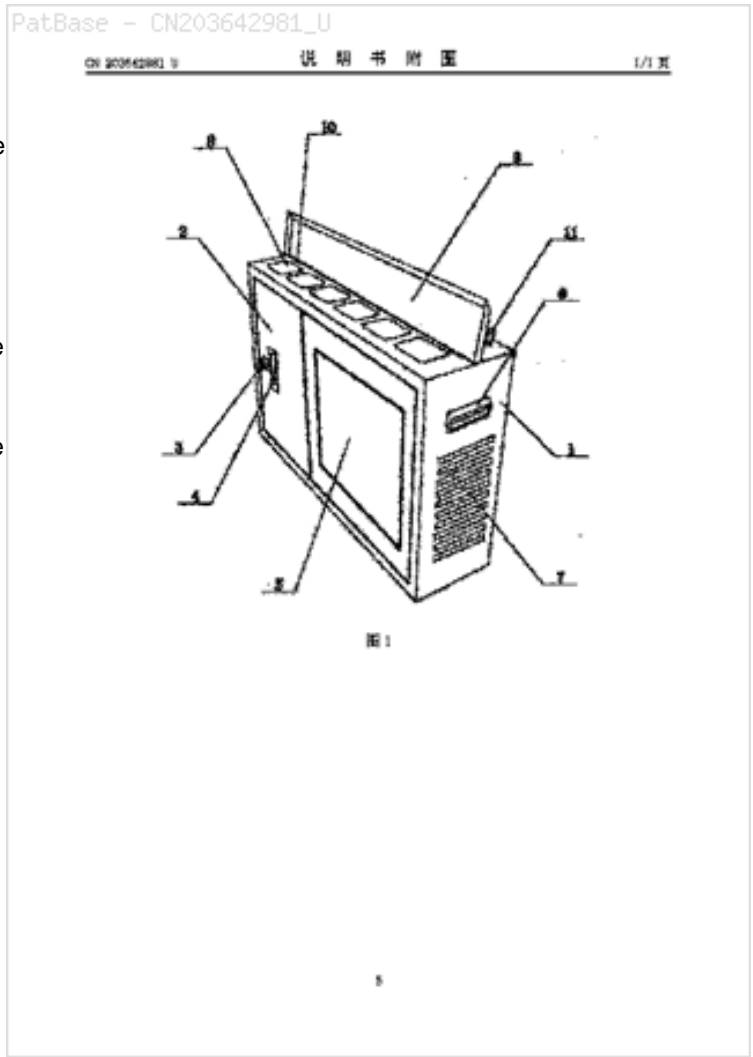
Family:

Publication number	Publication date	Application number	Application date
CN203642981 U	20140611	CN201320867647U	20131220

Probable Assignee:	ZHEJIANG ZHONGDIAN SWITCHGEAR CO LTD
Assignee(s):(std)**:**	ZHEJIANG ZHONGDIAN SWITCHGEAR CO LTD
Assignee(s):	ZHEJIANG ELECTRIC SWITCH CO LTD ; ZHEJIANG ZHONGDIAN SWITCHGEAR CO
Inventor(s):(std)**:**	ZHENG YOUYONG
International class (IPC 8–9):	G01F15/14 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN203642981U The utility model relates to the technical field of water meter boxes, in particular to a novel tap water meter box. A box door (2) is arranged in a box body (1), a door lock (3) and a handle groove (4) are formed in one side of the box door (2), a transparent observation window (5) is arranged in the other side of the box door (2), the two sides of the box body (1) are provided with second handle grooves (6) respectively, air holes (7) are formed in the lower ends of the second handle grooves (6), a plurality of squinting windows (8) are arranged in one side of the upper end of the box body (1), an upper cover (9) is fixed to the upper end of the box body (1) through hinge pins (10), and hanging rings (11) are arranged on the other side of the upper end of the box body (1). The novel tap water meter box is reasonable in structural design, convenient to install and use and attractive and novel in appearance, brings convenience to checking at any time due to the design of the multiple observation windows, is easy to maintain, has the corrosion resistance, the acid–base resistance and the impact resistance, and can meet the use requirements of people.



0) US6167604B – CURB VALVE REPLACEMENT AND INSTALLATION TOOL

49) Family number: 14939115 (US6167604B)

© PatBase

Title:	CURB VALVE REPLACEMENT AND INSTALLATION TOOL
Priority:	US19990420145 19991018

Family:

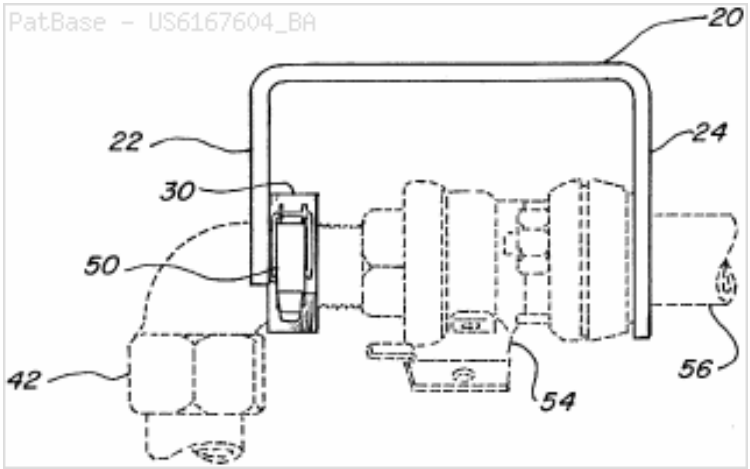
Publication number	Publication date	Application number	Application date
US6167604 BA	20010102	US19990420145	19991018

Probable Assignee:	DEL BONO DENNIS E
Assignee(s):(std):	DEL BONO DENNIS E
Inventor(s):(std):	DEL BONO DENNIS E
International class (IPC 8–9):	B25B13/48 B25B27/24 (Advanced/Invention); B25B13/00 B25B27/14 (Core/Invention)
International class (IPC 1–7):	B25B27/14
CPC:	B25B27/24 B25B13/48 Y10T29/5367 Y10T29/53913 Y10T29/53917 Y10T29/53974 Y10T29/53978
European class:	B25B13/48 B25B27/24
US class:	29/237 29/271 29/272 29/281.4 29/281.5

Classification Explorer

Cited documents:	US5373617 A, US5118024 A, US3394389 A, US3352147 A, US2105954 A,
Forward Citations:	US9046202, US8695200, US6990712, US2013154252, US2005120531, GB2502384, CN103659678, CN102785214,

Abstract:
Source: US6167604B An installation tool for replacing inoperable residential city water service curb valves. The tool has a body (20), preferably formed of steel plate in channel shape with a first leg (22) and a second leg (24). A clearance notch (26) is located in the first leg and a ball and socket elbow mounting bracket (30) is attached on the inner surface surrounding the notch, and an alignment hole (28) is provided in the second leg. The bracket is formed in two half's having a upper clasp (32) and a lower clasp (34) with a hinge (44) pivotally holding them together. A draw pull latch (50) attaches the two half's concurrently, with the upper half permanently affixed to the body, thus completing the tools structure. In use an inoperable valve is removed and the replacement curb valve (54) is positioned between the legs of the body with a pipe nipple (56) disposed loosely through the clearance hole. The tool and valve are attached to an existing ball and socket elbow (42) around its hexagonal flats with the bracket locked in place with the latch. The replacement valve may then be easily screwed into the elbow, under water pressure, as it is held in place and aligned with the nipple which is rotatably retained in the alignment hole.



0) US3009483A – WATER PIPE PROTECTIVE DEVICE

50) Family number: 22338589 (US3009483A) © PatBase

Title: WATER PIPE PROTECTIVE DEVICE

Priority: US19590857449 19591204

Family:

Publication number	Publication date	Application number	Application date
US3009483 A	19611121	US19590857449	19591204

Probable Assignee: GIAOCEMO SALUSTRI

Assignee(s):(std)**:** GIAOCEMO SALUSTRI

Inventor(s):(std)**:** GIAOCEMO SALUSTRI

Inventor(s): SALUSTRI GIAOCEMO

International class (IPC 8–9)**:** F16L7/00 (Advanced/Invention); F16L7/00 (Core/Invention)

CPC: F16L7/00 F16L2101/30 Y10T70/554

European class: F16L7/00 R16L101/30

US class: 138/109 285/80 70/158

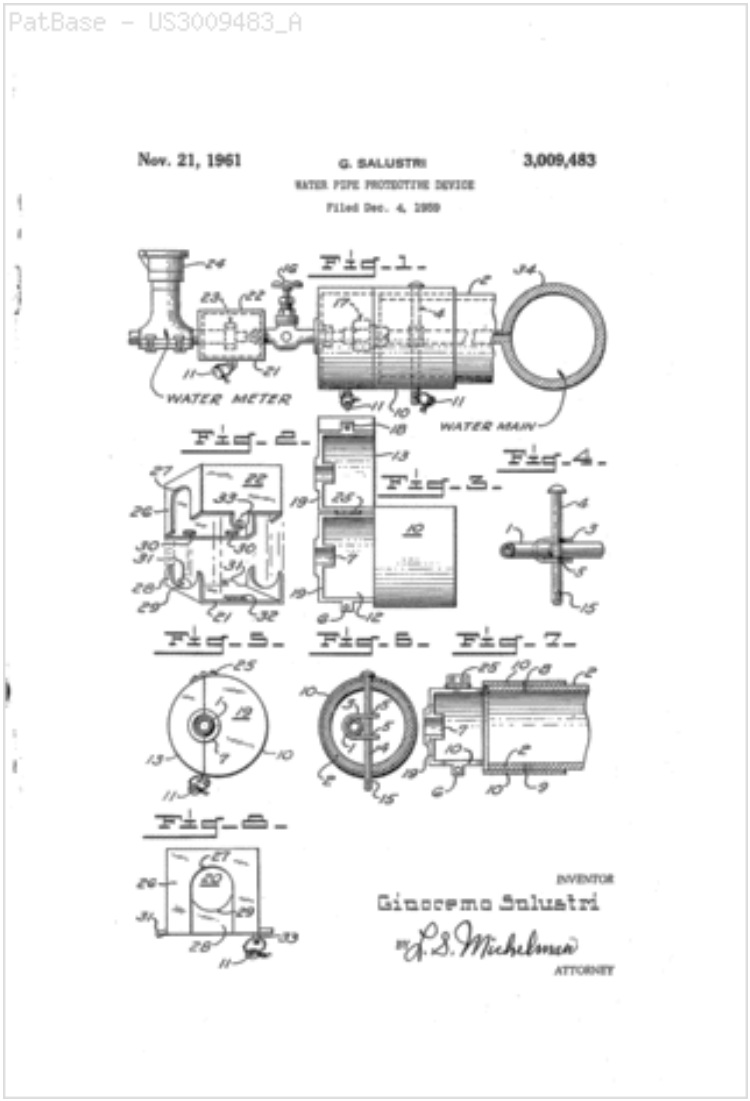
Classification Explorer

Cited documents: US2744815 A, US2678664 A, US2658527 A, US2473150 A, US2458002 A, US2456238 A, US2171935 A, US2160748 A, US193684 A, US1874369 A, US1678955 A, US1329913 A, US1001978 A,

Forward Citations: US7438085, US5269568, US4872327, US4843846, US4458923, US2010310211, US2004244836,

Abstract:
Source: US3009483A (Claim 1) 1. A termination assembly for an outer pipe having an iner pipe located therein comprising a cylindrical shaped member, said cylindrical member having a closure at one end thereof, an openin.– in said closure of sufficient dimension to permit the inner pipe to pass snugly therethrough, a moveable cut out portion of said member, a fixed cut out portion of said member, a hinge means for securing said moveable portion to the said fixed portion, a flange on said moveable portion and a complementary flange on said fixed portion beneath said moveable portion, an openin_ in each of said flanges adapting said flan–es to be locked together by means of a seal.

PatBase - US3009483_A



0) EP1965175A3 – WATER METER WASSERZAEHLER COMPTEUR D'EAU

51) Family number: 34516372 (EP1965175A3) © PatBase

Title: WATER METER

Priority: DE200720003276U 20070302

Family:

Publication number	Publication date	Application number	Application date
DE202007003276 U1	20070503	DE200720003276U	20070302
EP1965175 A2	20080903	EP20080003268	20080222
EP1965175 A3	20081119	EP20080003268	20080222

Probable Assignee: ZENNER INT GMBH AND CO KG

Assignee(s):(std)**:** ZENNER INT GMBH AND CO KG ; ZENNER INTERNAT GMBH AND CO KG

Assignee(s): ZENNER INTERNATIONAL GMBH AND CO KG

Inventor(s):(std)**:** LEHMANN ALEXANDER

Agent(s): VIEL CHRISTOF ET AL

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)**:** G01D4/00 G01F15/00 G01F15/06 (Advanced/Invention); G01D4/00 G01F15/00 G01F15/06 (Core/Invention)

CPC: Y02B90/241 Y04S20/32 G01F15/007 G01D4/002 G01D4/008 G01F15/063 Y02B90/247 Y04S20/50

European class: G01D4/00R G01D4/00S G01F15/00K G01F15/06B2 Y02B90/24H Y04S20/30 Y04S20/50

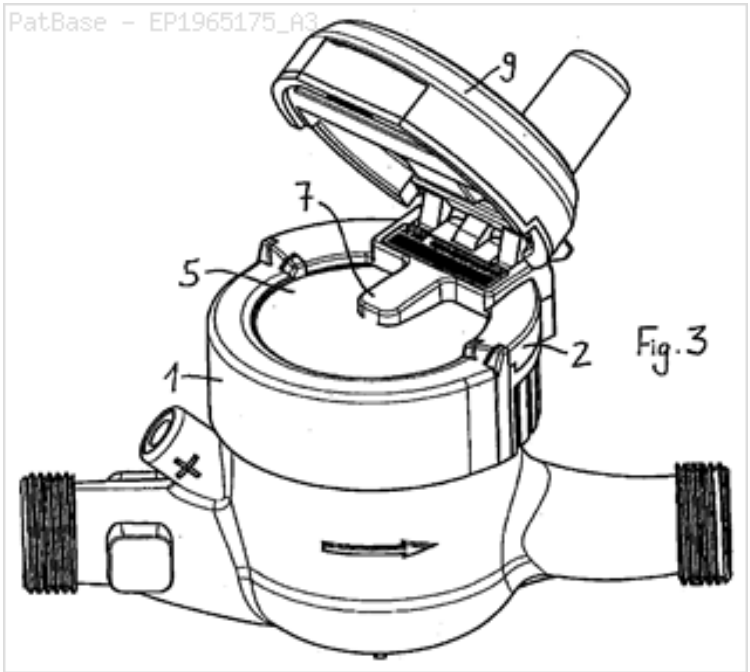
Classification Explorer

Cited documents: US5493917 A, US2005066746 AA, GB2041097 A1, EP0580520 A1, DE69529407 T2, DE1774578 A1,

DE102004019930 A1

Forward Citations: WO12025340, WO10000539, US8534137, EP2579008, EP2530439, EP2141465, DE202011002470, AU2012200687,

Abstract:
The meter has a ring (1) for locking to a meter screw connection, and a reed shoe (6) arranged in a recess (4) of a metering glass and fastened to the glass. A cover (7) is provided for the reed shoe and is connectable with the ring. A pivotable cap (9) is fastened at the cover, and transmitting units are integrated in the cap to transmit metering data. The ring has a semi−circular segment (2) that is detachably fastened by locking the ring.



0) GB717044A – IMPROVEMENTS IN OR RELATING TO ESCAPEMENT MECHA...

52) Family number: 19513812 (GB717044A)

© PatBase

Title: Improvements in or relating to escapement mechanisms

Priority: GB19510020517 19510830

Family:

Publication number	Publication date	Application number	Application date
GB717044 A	19541020	GB19510020517	19510830

Probable Assignee: NORTH THAMES GAS BOARD

Assignee(s):(std)**:** NORTH THAMES GAS BOARD

Inventor(s):(std)**:** WILLCOX FRANK ALBERT

International class (IPC 8–9)**:** G04C13/14 (Advanced/Invention); G04C13/00 (Core/Invention)

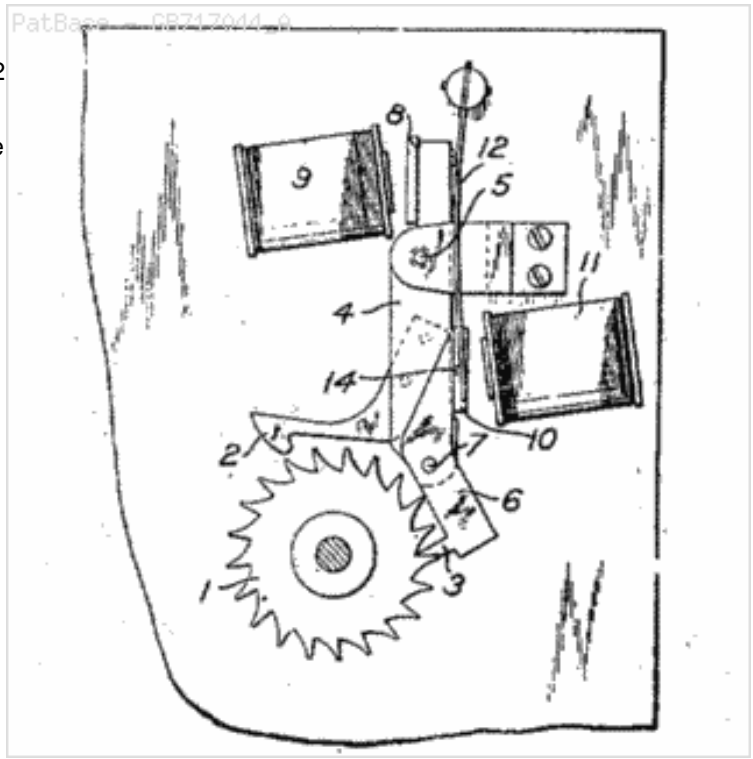
International class (IPC 1–7)**:** G04C13/14

CPC: G04C13/14

European class: G04C13/14

Classification Explorer

Abstract:
Source: GB717044A 717,044. Escapements. NORTH THAMES GAS BOARD. Oct. 22, 1952 [Aug. 30, 1951], No. 20517/51. Class 139 [Also in Group XXIV] In an anchor–type escapement mechanism particularly applicable to a flow meter for a gas heated calorimeter of the kind described in Specification 333,292, [Class 139], the anchor is formed in two articulated parts 4, 6, the part 4 pivoted at 5 and carrying the exit pallet 2 and the part 6 pivoted at 7 to part 4 and carrying the entry pallet 3 for co–operation with the escape wheel 1. The part 4 carries an armature 8 under control of an electromagnet 11 and a spring 12 acts upon a pin 14 on the armature 10 to maintain the parts in the position shown. In this position the pallet 3 engages the wheel to lock it from rotation. On energization of electromagnets 9 and 11 the pallet 2 moves into engagement but the entry pallet 3 merely rocks at first without disengaging from the wheel. As, however. the armatures 8, 10 approach their magnets the pallet 3 is disengaged by a strong magnetic pull but the wheel is prevented from rotation by the engagement therewith of the pallet 2. On de–energization of the magnet the wheel 1 is released by the pallet 2 and moves round a 'step until the pallet 3 engages the next tooth. In its initial movement the angle of the locking face of the pallet 3 changes so that the pressure exerted by the wheel tooth assists in the disengagement from the wheel.



0) US2009145917A – TAMPER–PROOF IRRIGATION BOX

53) Family number: 43360936 (US2009145917A) © PatBase

Title:	TAMPER–PROOF IRRIGATION BOX
Priority:	US20070954198 20071211

Family:

Publication number	Publication date	Application number	Application date
US2009145917 AA	20090611	US20070954198	20071211

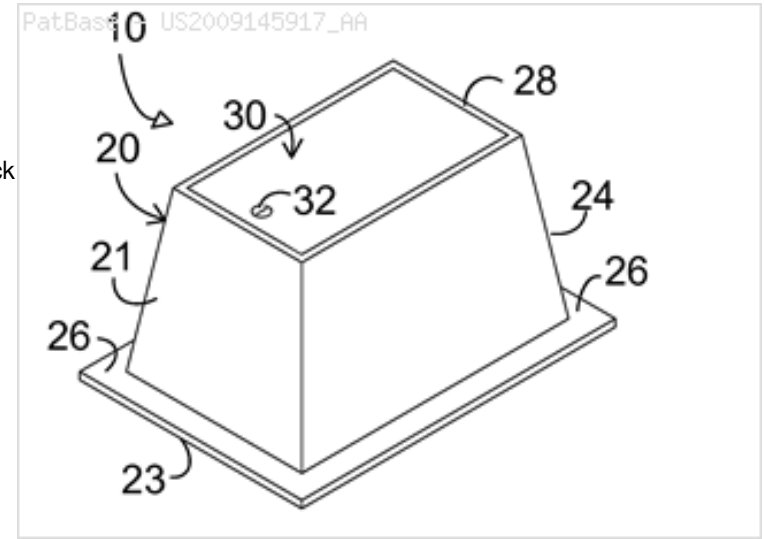
Probable Assignee:	WOJCIK JASON
Assignee(s):(std):	WOJCIK JASON
Inventor(s):(std):	WOJCIK JASON
Agent(s):	DONALD W MEEKER
International class (IPC 8–9):	B65D43/14 (Advanced/Invention); B65D43/14 (Core/Invention)
CPC:	E02D29/00
European class:	E02D29/00
US class:	220/810

Classification Explorer

Cited documents: US7243810 BB, US6899240 BB, US6848226 BA, US6749080 BA, US6732555 BA, US6392940 BB, US6362419 BA, US5747687 A, US5353206 A, US5145087 A, US4872575 A, US4775066 A, US4663803 A, US4467932 A, US4163503 A, US4153176 A, US4065020 A, US3952908 A, US3921449 A, US3858755 A, US3490637 A, US3482030 A, US2316302 A,

Forward Citations: WO15075286, ES2537259,

Abstract:
Source: US2009145917A A tamper–proof irrigation box is formed in a truncated four–sided pyramid shape with the sides tapering outwardly from the top to the bottom. A horizontal flange extends outwardly around the base. A metal lid has a sliding pin type lock operated by a key having a metal horizontal pin or bolt that extends perpendicularly into a horizontal hole in the side of the box. The metal lid also has a tamper–proof hinge.



0) BRPI1004882A – LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNI...

54) Family number: 54075563 (BRPI1004882A)

© PatBase

Title: LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNICO DE TUBETES DE HIDRAMETROS E SIMILARES" SEAL SYSTEM WITH LOCKING IN POINT OF SINGLE AND SIMILAR tubes at HIDRAMETROS" (Machine translation)

Priority: BR2010PI04882 20101112

Family:

Publication number	Publication date	Application number	Application date
BRPI1004882 A2	20130604	BR2010PI04882	20101112

Probable Assignee: OIZUMI YUKIO

Assignee(s):(std)**:** OIZUMI YUKIO

Assignee(s): YUKIO OIZUMI

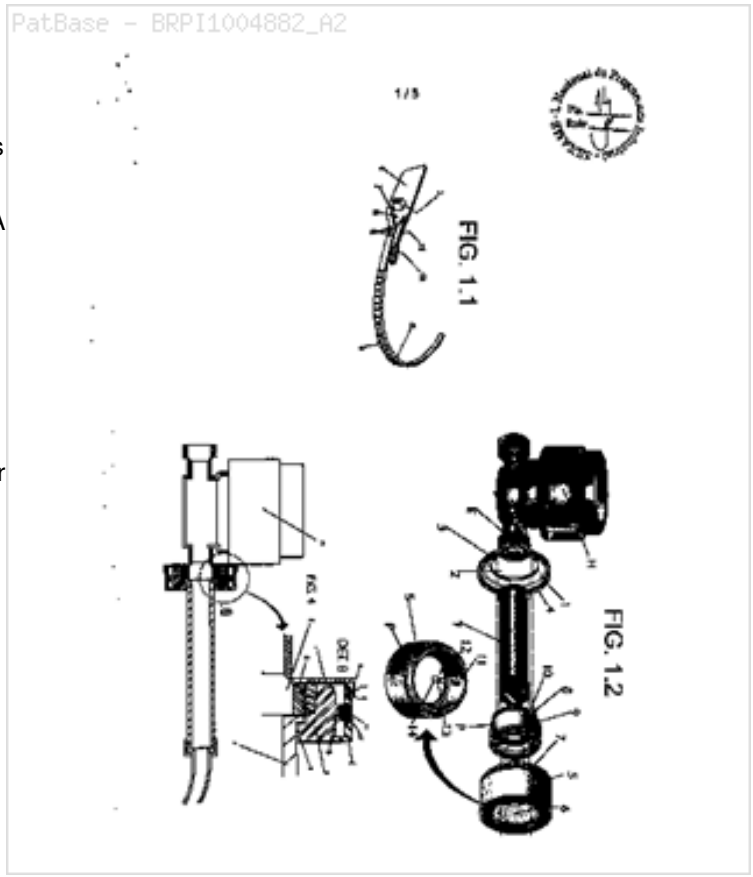
Inventor(s):(std)**:** OIZUMI YUKIO

Inventor(s): YUKIO OIZUMI

International class (IPC 8–9): G01F15/00 G09F3/03 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI1004882A LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNICO DE TUBETES DE HIDRAMETROS E SIMILARES. Sendo um lacre (1) com parte superior (2) e parte inferior (3), ambas dotadas de miolos semicirculares (4) delimitados por paredes laterais (5) e articulaveis por uma dobradica com linha de enfraquecimento (6). A parte superior (2) possui lingueta frontal (7) com superficie externa (8) e superficie interna (9) dotadas de frisos horizontais (10) e garras flexiveis (11) nas bordas laterais (12). A parte inferior (3) possui formando um alojamento interno vazado (18), frontal, que inclui um ressalto interno iniciando–se em forma de rampa (19) e interrompido abruptamente formando um batente continuo (20). Apos envolver, por suas partes superior (2) e inferior (3), o ponto de uniao dos tubetes (T) a lingueta (7) ultrapassa o alojamento (18) e, pelos frisos horizontais (10) e garras (11), prende–se de modo irreversivel no batente continuo (20), sendo que abertura do lacre somente sera possivel com a destruicao da lingueta (7), indicando assim. violacoes em sistemas hidraulicos e similares.



Machine translation: SEAL SYSTEM WITH LOCKING IN SINGLE POINT OF HIDRAMETROS AND SIMILAR tubes. As a seal (1) with upper (2) and lower part (3), both provided with semicircular brains (4) delimited by side walls (5) articulated by a hinge–line of weakness (6). The upper part (2) has a front tongue (7) with the outer surface (8) and the inner surface (9) provided with horizontal ribs (10) and flexible claws (11) on the lateral edges (12). The lower part (3) has a hollow interior forming a housing (18), frontal, which includes an internal shoulder beginning in ramp form (19) and forming a stop abruptly interrupted continuous (20). After wrapping, for more parts (2) and lower (3), the point of union of the tubes (T) the tongue (7) exceeds the housing (18) and the horizontal friezes (10) and claw (11) holds up so keep on stop irreversible (20), and opening of the seal will be possible only with the destruction of the bolt (7), thus indicating. violations in hydraulic systems and the like.

0) FR2663060A – SHELTER FOR WATER METER PROTECTED FROM ICE ABR...

55) Family number: 6300646 (FR2663060A) © PatBase

Title: Shelter for water meter protected from ice

Priority: FR19900007466 19900611

Family:

Publication number	Publication date	Application number	Application date
FR2663060 A1	19911213	FR19900007466	19900611
FR2663060 B1	19930611	FR19900007466	19900611

Probable Assignee: URBATEC SARL

Assignee(s):(std)**:** URBATEC SARL

Inventor(s):(std)**:** URBATEC ; ARMAND SARL REPRESENTE PAR D A

Inventor(s): URBATEC SARL REPRESENTE PAR D ANDRADE ARMAND

International class (IPC 8–9)**:** E03B7/07 (Advanced/Invention)

International class (IPC 1–7)**:** C01D11/30 E03B9/00 E04F19/08 G01D11/30

CPC: E03B7/072 E03B7/095

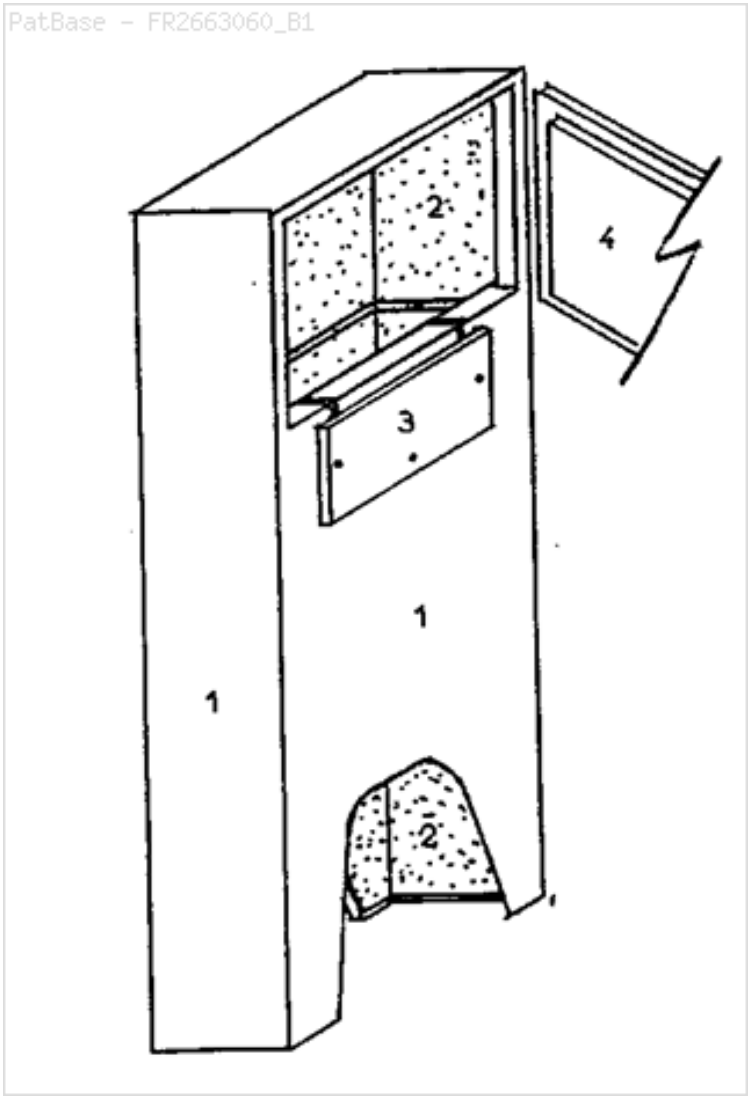
European class: E03B7/07C E03B7/09A

Classification Explorer

Cited documents: FR2597593 A3, FR2532672 A1, DE3013637 A1,

Forward Citations: US9469976, FR2719613, FR2700178, DE4322696, DE4322696,

Abstract:
The insulating water meter shelter consists of a container (1) made of concrete reinforced with glass fibres or metal particles, of an insulating material (2) made of extruded polystyrene forming a body with the container (1), of a semi–fixed removable technical access hatch (3) made of polyurethane foam, of a door, with a polyurethane foam lining (4), mounted on point hinges and closed by a swing leaf lock. Inside the chamber, at the bottom of the door, a removable synthetic glass wall is positioned in order to limit the transfer of air. The bottom of the container, intended to be buried in the ground, includes a cut–out facilitating the laying of pipes.



0) DE29610827U1 – LEAD–SEALING FOR DURCHFLUSSZAEHLER PLOMBIERUNG ...

56) Family number: 17731376 (DE29610827U1) © PatBase

Title: Lead–sealing for Durchflusszaehler

Priority: DE19962010827U 19960620

Family:

Publication number	Publication date	Application number	Application date
DE29610827 U1	19960905	DE19962010827U	19960620

Probable Assignee: WEHRLE E GMBH

Assignee(s):(std)**:** WEHRLE E GMBH

Assignee(s): E WEHRLE GMBH 78120 FURTWANGEN DE

International class (IPC 8–9)**:** G01D4/02 G01F15/00 G01F15/14 (Advanced/Invention); G01D4/00 G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01D4/02 G01F15/00 G01F15/14

CPC: G01D4/02 G01F15/007 G01F15/14

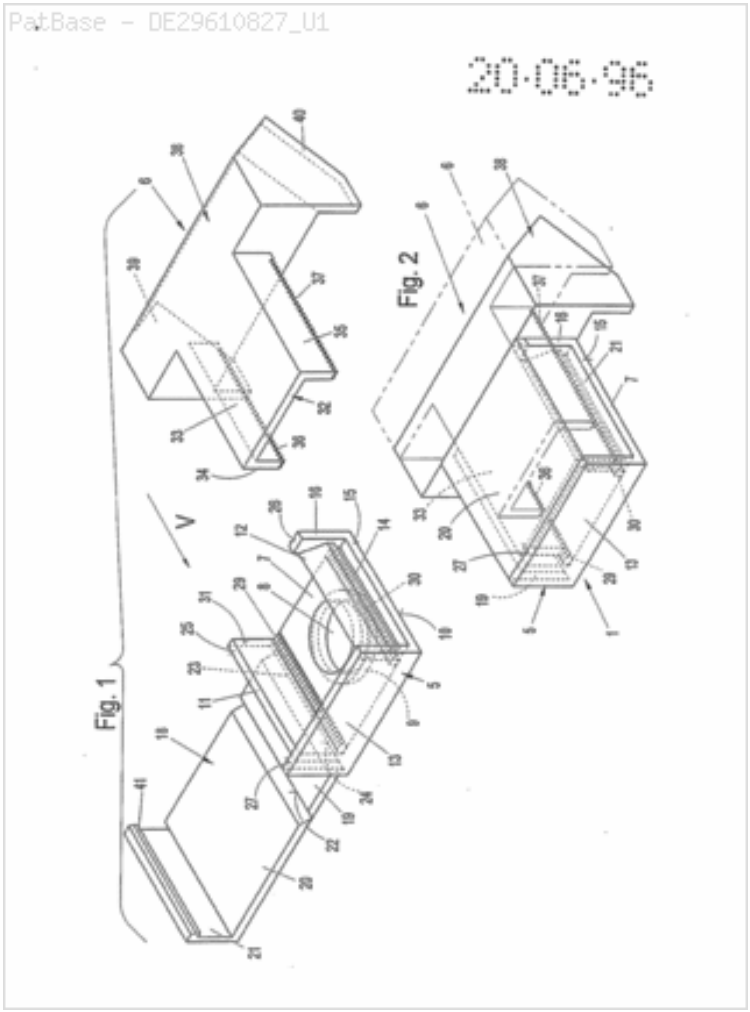
European class: G01D4/02 G01F15/00K G01F15/14

Classification Explorer

Cited documents: GB2244140 A1, EP0682234 A1, DE4425541 A1, DE3542433 C2, DE3424501 C1, DE3222129 A1, DE3142808 A1, DE29511030 U1, DE2727949 A1, DE2604377 A1, DE2604335 A1, DE2604334 A1, DE2507121 C2, DE2233925 B2,

Forward Citations: DE19819876, DE19728211,

Abstract:
Source: DE29610827U1 (Claim 1) 1. Vorrichtung zum gleichzeitigen Sichern einer Justier−Verschlussschraubeund einer Kopfverschraubung eines Duch fl usszaehlers, insbesondere eines Wasserzaehlers,gegen unbefugtes Oeffnen, bestehend aus einem Gehaeuseteil, welches die Justier−Verschlussschraube zumindestunzugaenglich umschliesst und das ein Sicherungselement aufweist, welches mit einem Teil in die Drehbewegungsbahneiner Anschlag fl aeche der Kopfverschraubung ragt und durch welches das Gehaeuseteil selbst sowiedie Kopfverschraubung gegen Verdrehen gesichert sind, dadurch gekennzeichnet, dass das Sicherungselement (6) als separates Bauteil in das Gehaeuseteil (5) derart formschluessig einsetzbarist, dass die Lage des Sicherungselementes (6) im Gehaeuseteil (5) auf unterschiedliche Abstaende zwischender Justier−Verschlussschraube (2) und der Kopfverschraubung (3) einstellbar ist, unddass das Gehaeuseteil (5) zum Sichern der eingestellten Lage des Sicherungselementes (6) im Gehaeuseteil (5) mittels eines Deckelelementes (18) verschliessbar ist, unddass das Deckelelement (18) in geschlossenem Zustand mit dem Gehaeuseteil (5) unloesbar form− und/odersto ffs chluessig verbunden ist.



Machine translation: (Claim 1) 1 Apparatus for simultaneously securing a adjustment Verschlussschraubeund a head ring one Duch fl usszaehlers, especially a water−counters against unauthorized opening, consisting of a Gehaeuseteil which the adjusting screw zumindestunzugaenglich surrounds and a locking element which fl with a part in the rotation train one stop Aech the head ring protrudes and through which the Gehaeuseteil are secured even sowiedie end caps against rotation, wherein the securing element (6) as a separate component in the Gehaeuseteil (5) such einsetzbarist form−fitting, that the location of the fuse element (6) in Gehaeuseteil (5) at different distances betweenthe adjusting screw (2) and the end caps (3) is adjustable, unddass the Gehaeuseteil (5) to secure the adjusted position of the locking element (6) in Gehaeuseteil (5) by means of a cover element (18) be closed is, unddass is the cover element (18) in the closed state with the Gehaeuseteil (5) insoluble form and / ffs odersto chluessig connected.

0) GB449237A – IMPROVEMENTS IN OR CONNECTED WITH ADJUSTABLE SE...

57) Family number: 20441161 (GB449237A)

© PatBase

Title: Improvements in or connected with adjustable seats particularly suitable for use on aircraft gun mountings

Priority: GB19340027431 19330928

Family:

Publication number	Publication date	Application number	Application date
GB449237 A	19360521	GB19340027431	19330928

Probable Assignee: VICKERS AVIAT LTD

Assignee(s):(std): BARNES NEVILLE WALLIS ; VICKERS AVIAT LTD

Assignee(s): VICKERS AVIATION LIMITED

International class (IPC 8–9): B64D7/02 (Advanced/Invention)

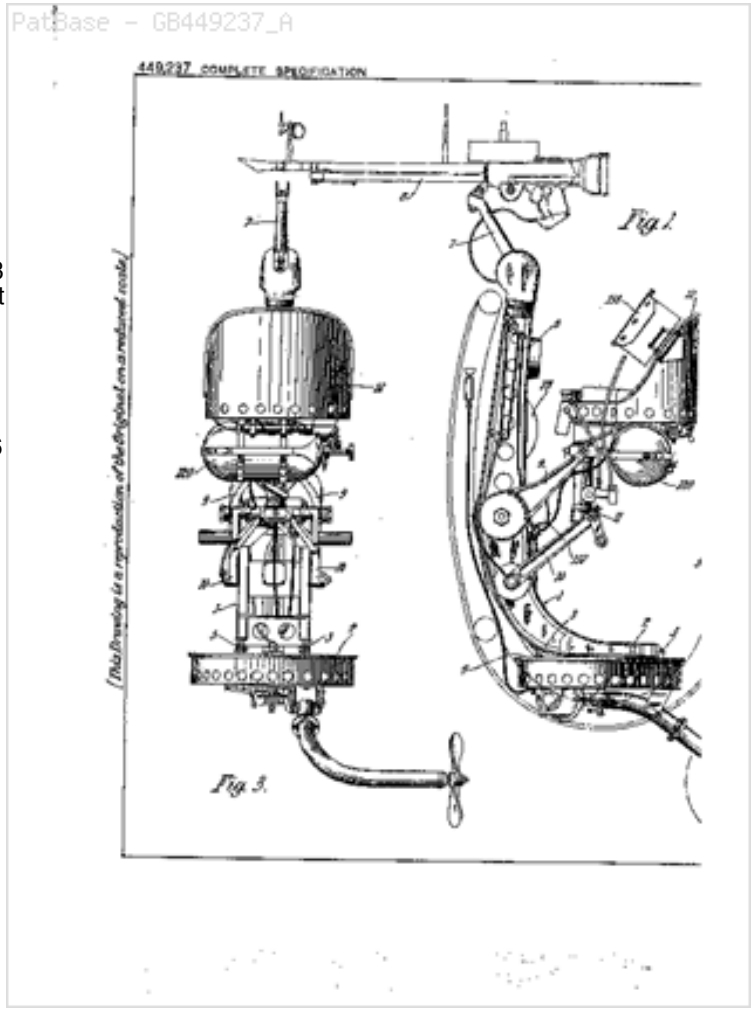
International class (IPC 1–7): B64D7/06

CPC: B64D7/02 B64D2700/62649

European class: B64D7/02 L64D700/62D11C

Classification Explorer

Abstract:
Source: GB449237A 449,237. Aircraft gun mountings. VICKERS (AVIATION), Ltd., and WALLIS, B. N., Weybridge Works, Byfleet Road, Weybridge, Surrey. Sept. 28, 1933, Nos. 27431/34, (divided out of 449,234), and 27433/34. [Class 92 (i)] [See also Groups XIV, VI, XXV, XXXII, and XXXIV] An adjustable seat more particularly for use with aircraft gun mountings comprises a spring – resister, as described for example in Specification 406,753 which gives a partial counter – balancing effect to the seat, and means for supplying fluid pressure to the seat under the control of the occupant to raise the seat, the pressure being released to lower the seat or cut off to retain the seat in the adjusted position. The invention is shown in Fig. 1 applied to the vertical pillar 6 of an L–shaped turntable gun mounting which together with its driving mechanism is described in Specification 449,234. The seat 12 is connected to the pillar by parallel motion links 9, 10 interconnected at their outer ends by a seat–post 11. The seat can swivel on the post to either side of the central position shown, and is locked in adjusted position by a spring pin 16 engaging holes in the post. The upper arms 9 are hinged to the pillar through a spring resister x shown in detail in Fig. 7 and generally similar to that described in Specification 406,753. The spring resister comprises spring–pressed pistons 27, 28, controlled by cams 18, 19, the cam 19 being axially adjustable by a hand wheel 32, key 33, and screw socket 34 to alter the initial compression of the springs 31 to suit the weight of the occupant. Air pressure for raising the seat is applied to the surface of oil in a vessel 47, the oil filling also the compartment 48 of the resister between the pistons. A fine mesh screen 52 prevents air entering the space 48 when flying upside down. The air pressure is controlled by inlet and exhaust valves 58, 59 arranged on



the pillar 6 as shown in plan in Fig. 11. The valves are actuated by rollers 67, 68 engaged by a sector cam 69 keyed on a shaft 71 rocked by a frame 72 on the seat–controlling handle 74. The arrangement is such that both valves are normally spring closed when the handle is central, one valve being opened and the other remaining closed when the handle is moved up or down from central position thus causing upward or downward movement of the seat. The seat is retained in adjusted position by a friction brake 100 mounted in the hollow hinge y of the arms 10 as shown in detail in Fig. 15. The brake is normally held engaged by a spring 82 acting through toggle levers 84, parallelogram–linkage 92, and longitudinal rods (not shown), on a pressure plate 98. The effect of the brake in restraining angular movements of the arms 10 is increased by the mechanical advantage supplied by epicyclic gearing comprising planetary pinions 101 on the pressure plate 98 engaging with fixed internal teeth 102 on the casing 103 and with a sun–wheel 104 moving with the brakedisc 99. The brake is automatically released,.when the handle 74 is moved from. its central position. by a Bowden wire 80 connected to the shaft 71, Fig. 11, by a bell–crank 78, links 77, and arm 76. The release mechanism of the brake is adjusted by a pin 108 engaging holes in a screwed sleeve 109. The air under pressure is conveyed to the controlling valves by a pipe 117 leading from a tube passing through the centre of the turntable and connected to a source of compressed air outside the cockpit.

0) US5299415A – HEAT TREATMENT AND/OR HUMIDIFICATION OF COPS

58) Family number: 3009889 (US5299415A) © PatBase

Title: Heat treatment and/or humidification of cops

Priority: CH19890004632 19891222 WO1990CH00288 19901220

Family:

Publication number	Publication date	Application number	Application date
AT107973 E	19940715	AT19900900145T	19901220
AU199169052 A1	19910724	AU19910069052	19901220
AU642189 B2	19931014	AU19910069052	19901220
BRPI9007136 A	19911210	BR1990PI07136	19901220
CA2045513 AA	19910623	CA19902045513	19901220
CA2045513 C	20010220	CA19902045513	19901220
DE59006318 D1	19940804	DE19905006318	19901220
DK0460139 T3	19941107	DK19900900145T	19901220
EP0460139 A1	19911211	EP19910900145	19901220
EP0460139 B1	19940629	EP19910900145	19901220
ES2056625 T3	19941001	ES19910900145T	19901220
HK83196 A	19960517	HK19960000831	19960509
HU216002 B	19990428	HU19910002234	19901220
HU62345 A2	19930428	HU19900002234	19901220
HU62345 A2	19930428	HU19910002234	19901220
JP2064930 C3	19960624	JP19910500913	19901220
JP4503540 T2	19920625	JP19910500913T	19901220
JP7096728 B4	19951018	JP19910500913	19901220
KR100184286 B1	19990501	KR19910070972	19910822
RU2023779 C1	19941130	SU19915001463	19910821
US5299415 A	19940405	US19910741470	19910802
WO9110001 A1	19910711	WO1990CH00288	19901220

Probable Assignee: XORELLA AG

Assignee(s):(std)**:** KSORELLA AG ; XORELLA AG

Assignee(s): XORELLA AG CH ; XORELLA AG WETTINGEN CH

Inventor(s):(std)**:** FREDDI VANGER ; WANGER FREDDY

Inventor(s): WANGER FREDDY CH ; WANGER FREDDY CH 5452 OBERROHRDORF CH ; FREDDY WANGER

Agent(s): GRIFFITH HACK

Designated states: AT AU BE BR CA CH DE DK ES FR GB GR HU IT JP KP KR LI LU NL SE SU US

International class (IPC 8–9): D01H13/28 D06B19/00 D06B5/16 (Advanced/Invention); D01H13/00 D06B19/00 D06B5/00 (Core/Invention)

International class (IPC 1–7): D01H13/28 D01H13/30 D01H9/02 D06B19/00 D06B5/16

CPC: D01H13/28 D06B19/0035

European class: D01H13/28 D06B19/00B3B

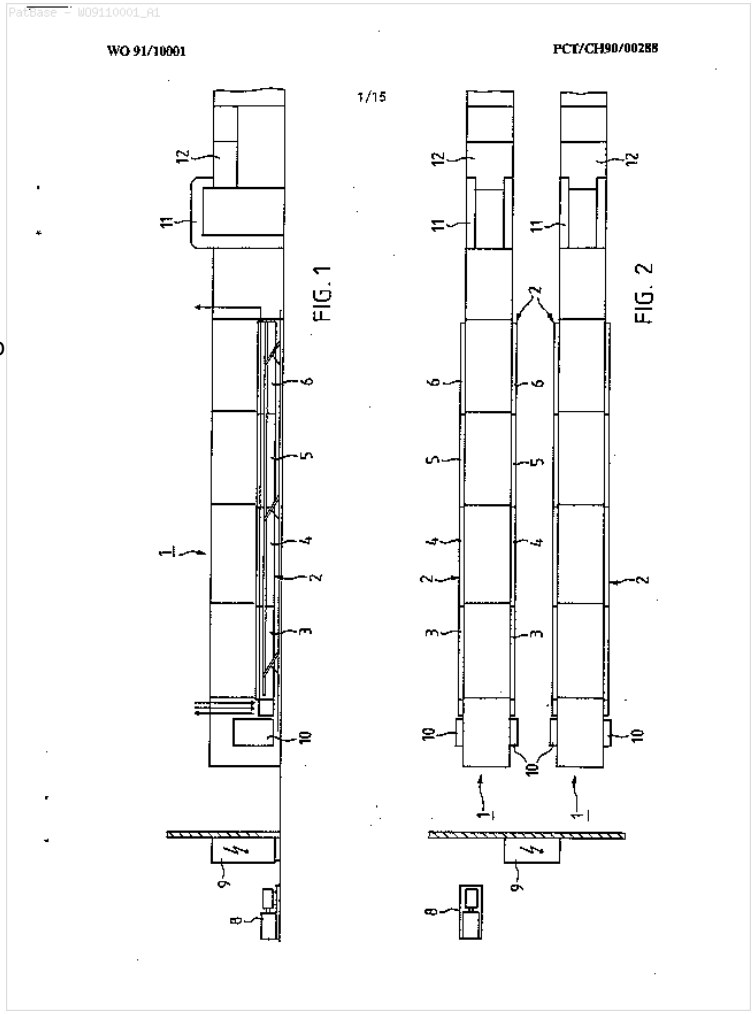
US class: 57/281 57/308

Classification Explorer

Cited documents: US5157910 A, US5125224 A, US5099641 A, US4995230 A, US4953368 A, US4893483 A, US488787 A, US4660368 A, FR2620743 A1, FR2614633 A1, FR2542291 A1,

Forward Citations: US7846373, US5555713, US2011095454, US2007101606, US2007094887, DE4317486,

Abstract:
Source: US5299415A PCT No. PCT/CH90/00288 Sec. 371 Date Aug. 2, 1991 Sec. 102(e) Date Aug. 2, 1991 PCT Filed Dec. 20, 1990 PCT Pub. No. WO91/10001 PCT Pub. Date Jul. 11, 1991.An apparatus for steaming of spun cops based on a trough−shaped steamer (2) arranged directly adjacent to a spinning machine (1) parallel to the cops (15) of a spinning station (14) standing in a row. This enables a conventional handling device (17) to move the cops (15) from the spinning stations (14) into the steamer (2) and, after the steaming process, to move the cops (15") from the steamer (2) to the conveyor (16) of the spinning machine (1). The steaming process is thus integrated with the material flow of the spinning plant. The dwell times of the cops after steaming are largely predeterminable. Also, the space requirements of the equipment are minimal and there is no need for additional manual moving of the cops.



0) US2016081440A – BUCKLE APPARATUS FOR WEARABLE DEVICE

59) Family number: 61905985 (US2016081440A) © PatBase

Title: BUCKLE APPARATUS FOR WEARABLE DEVICE

Priority: KR20140126991 20140923

Family:

Publication number	Publication date	Application number	Application date
CN105433519 A	20160330	CN201510609235	20150922
EP3000345 A1	20160330	EP20150184310	20150908
KR20160035412 A	20160331	KR20140126991	20140923
US2016081440 AA	20160324	US20150847339	20150908

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s):(std)**:** SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s):(std)**:** BAEK SANG IN ; BAEK SANGIN

Agent(s): GROOTSCHOLTEN JOHANNES AM

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): A44B11/00 A44B11/22 A44C5/18 A44C5/24 G06F1/16 G06F3/01 (Advanced/Invention)

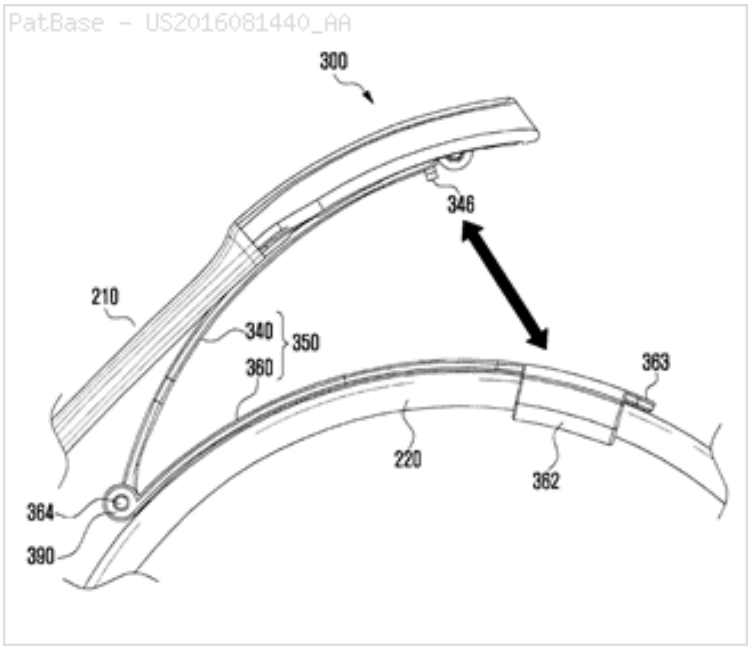
CPC: A44C5/246 A44C5/243 G06F1/163

US class: 24/71J

Classification Explorer

Cited documents: US6311373 BA, US4332061 A, US3795028 A, US2190878 A, EP2248437 A1,

Abstract:
Source: US2016081440A A buckle apparatus for a wearable device may include a main body of the wearable device; a band for wearing the main body on a user's wrist; and a buckle assembly comprising a cover part to which a first end of the band is coupled and a coupling part in which a second end of the band is inserted into and maintained. The cover part may comprise upper and lower covers coupled to each other to form rails, and the coupling part may comprise first and second link pieces hingedly coupled to each other and is assembled to the lower portion of the cover part.



0) EP0418744A2 – PROCEDURE AND DEVICE FOR AUTOMATICALLY REFUELIN...

60) Family number: 3325254 (EP0418744A2) © PatBase

Title: Procedure and device for automatically refueling a vehicle.

Priority: DE19893930981 19890916

Family:

Publication number	Publication date	Application number	Application date
DE3930981 A1	19910328	DE19893930981	19890916
EP0418744 A2	19910327	EP19900117695	19900914
EP0418744 A3	19920429	EP19900117695	19900914

Probable Assignee: ELEKTRONIK GMBH BERATUNG AND VER

Assignee(s):(std)**:** ELEKTRONIK GMBH BERATUNG AND VER ; ELEKTRONIK GMBH ETS ; ETS ELEKTRONIK GMBH

Assignee(s): ETS ELEKTRONIK GMBH BERATUNG AND VERTRIEB 4835 R ; ETS ELEKTRONIK GMBH BERATUNG AND VERTRIEB 4835 RIETBERG DE

Inventor(s):(std)**:** DILLEY KLAUS ; GRAUTE MARTIN

Inventor(s): GRAUTE MARTIN 4840 RHEDA WIEDENBRUECK DE ; DILLEY KLAUS 4800 BIELEFELD DE

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

International class (IPC 8–9)**:** B60S5/02 B67D7/04 B67D7/12 B67D7/24 B67D7/34 B67D7/40 B67D7/46 B67D7/54 B67D7/84 G07F13/02 (Advanced/Invention); B60K15/04 B60K15/05 (Advanced/Non–invention)

International class (IPC 1–7)**:** B25J9/10 B60S5/02 B67D5/04 B67D5/14 B67D5/36 B67D5/378 G01B11/00 G01B17/00 G01L5/00

CPC: B60K15/04 B60K15/05 B60S5/02 B67D7/0401 B67D7/12 B67D7/24 B67D7/344 B67D7/40 B67D7/465 B67D7/54 B67D7/84 B67D2007/0442 B67D2007/0453 B67D2007/0463 G07F13/025

European class: B60S5/02 B67D7/04A B67D7/12 B67D7/24 B67D7/34C B67D7/40 B67D7/46B B67D7/54 B67D7/84 G07F13/02B L60K15/04 L60K15/05 L67D7/04A4B L67D7/04A6D L67D7/04A6F2F

Classification Explorer

Cited documents: US4681144 A, US3642036 A, US3095020 A, GB2100705 A1, FR2617472 A1, DE8703091 U, DE2929192 A1, DE2653656 A1, DE2537800 A1, DE1482693 A1,

Forward Citations: WO9532919, WO9406031, WO9405592, WO9403391, WO9319004, WO03104135, WO03074416, WO0012362, US6343241, US6338008, US6334457, US5971040, US5862222, US5671786, US5638875, US5634503, US5628351, US5609190, US5383500, FR2753189, EP2248760, DE4242244, DE4242243, DE4217965, DE4113806, DE4113097, DE19849947, DE19849947, DE19839049, DE19827040, DE19827040, DE19544495, DE102014209632, DE102008056610, DE102008056610, DE102008053777, AU668923,

Abstract:
In order to reduce environmental pollution when refuelling vehicles, in order to increase safety and refuelling comfort as well as to make incorrect or illegal refuelling more difficult, a refuelling process and a device for refuelling are disclosed which can be used simply and economically both in new constructions and when re−equipping petrol stations. The refuelling devices with a vehicle driving track are provided with a delivery unit with pump mechanism, flow rate meter, with a withdrawable filling hose which is associated with the fuel types and has a filling nozzle which can be deposited in a storage element and removed for use and with detection means for refuelling authorisation via a computing unit, which authorisation, in addition to the authorisation code, informs the computing unit of the vehicle registration number stating the type of fuel and the position of the refuelling orifice and passes this information on to the delivery unit. After this, the manipulator of this delivery unit picks up the filling nozzle constructed as a filling head from its storage element, moves it into a position corresponding to the position of the refuelling orifice and introduces said nozzle into the refuelling orifice provided with an openable cap, whereupon the delivery unit opens the refuelling valve; after the tank is filled, the delivery unit receives a signal which terminates the supply of fuel and triggers the rearward movement of the manipulator, whereupon the manipulator removes the filling head from the refuelling orifice, moves it back into the initial position, deposits it in the storage element and returns itself into the position of rest.

PatBase – EP0418744_A2

EP 0 418 744 A2

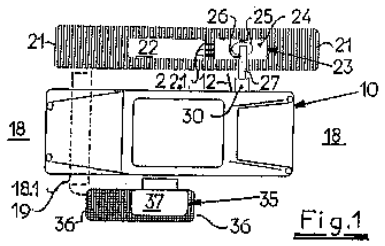


Fig.1

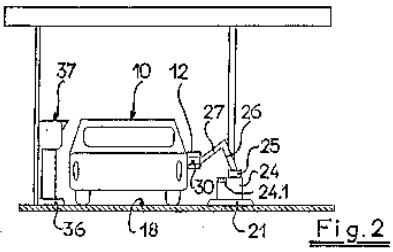


Fig.2

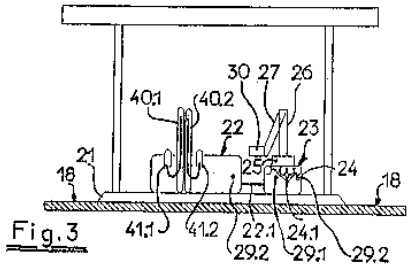


Fig.3

0) US2015000190A – AUTOMATED PLANT GROWING SYSTEM

61) Family number: 58178563 (US2015000190A) © PatBase

Title: AUTOMATED PLANT GROWING SYSTEM

Priority: US20130832311P 20130607 US20130859127P 20130726 US20140300116 20140609

Family:

Publication number	Publication date	Application number	Application date
US2015000190 AA	20150101	US20140300116	20140609
WO15013670 A1	20150129	WO2014US48287	20140725

Probable Assignee: ALIGROWORKS USA INC

Assignee(s):(std)**:** ALIGROWORKS USA INC

Inventor(s):(std)**:** GIBBONS ADAM

Agent(s): CISLO DANIEL M

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): A01G27/00 A01G27/06 (Advanced/Invention)

CPC: A01G27/005 A01G27/003 A01G27/06

US class: 47/66.6 47/79

Classification Explorer

Cited documents: US8443546 BA, US6986224 BB, US6886589 BB, US6370819 BA, US4274365 A, US4057930 A, US3405687 A, US2013014435 AA, US2012198767 AA, US2011179708 AA, US2011154985 AA, US2009126269 AA, US1482505 A, GB2095083 A1,

Abstract:
Source: US2015000190A A controlled environment agricultural system having a self−regulating grow module that automatically waters the plant without over−watering or under−watering. The system may further comprise a self−regulating lift mechanism with an optic sensor, the lift mechanism capable of raising, lowering, and rotating each grow module independently of any other grow module, to monitor and provide individual attention to individual plants within a crop in order to maximize growth and plant yield.

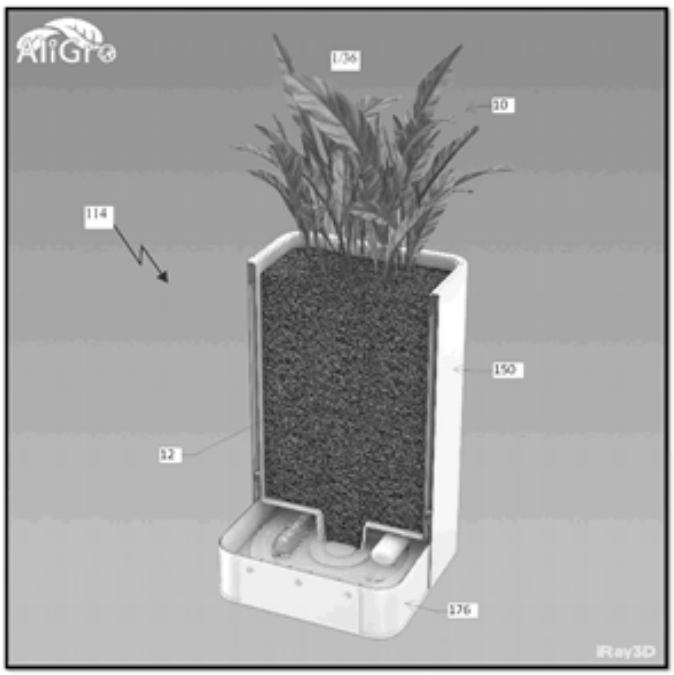


FIGURE 1

0) DE485737A – DECKELVERSCHLUSS FUER WASSERMESSER ODER AEHNLIC...

62) Family number: 19348931 (DE485737A)

© PatBase

Title: DECKELVERSCHLUSS FUER WASSERMESSER ODER AEHNLICHE APPARATE LID LOCK FOR WATER METER OR SIMILAR EQUIPMENT (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DE485737 A	19291104		00000000

Probable Assignee: SIEMENS AG

Assignee(s):(std)**:** SIEMENS AG

Assignee(s): SIEMENS AND HALSKE AKT GES

International class (IPC 8–9): G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

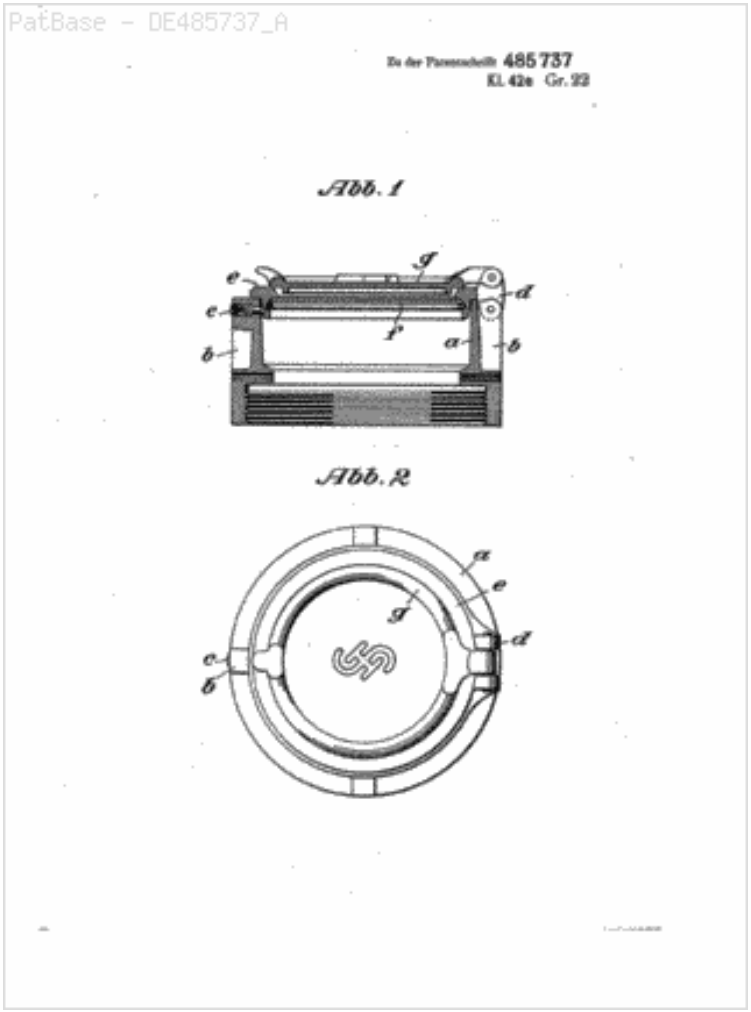
CPC: G01F15/14

European class: G01F15/14

Classification Explorer

Abstract:
Source: DE485737A (Claim 1)
1.PATENTANSPRUCH: Gehaeuse fuer Wassermesser und aehnliche Apparate mit einem als Glasfassung aus gebildeten aufklappbaren Deckel, dadurch gekennzeichnet, dass bei Anordnung des bekannten aufklappbaren Schutzdeckels fuer die Befestigung beider Deckel ein Doppel scharniergelenk verwendet wird.

Machine translation: (claim 1)
1.PATENTANSPRUCH: enclosures for water meters and devices with a similar stock as a lens frame formed from hinged lid, characterized in that in the arrangement of the famous hinged protective cover for the attachment of both cover a double hinge joint is used



0) CA2252015A – COUPLING ADAPTOR UNIT FOR A FLUID FLOW MEASUREM...

63) Family number: 29791759 (CA2252015A) © PatBase

Title:	COUPLING ADAPTOR UNIT FOR A FLUID FLOW MEASUREMENT ASSEMBLY
Priority:	CA19982252015 19981028

Family:

Publication number	Publication date	Application number	Application date
CA2252015 AA	20000428	CA19982252015	19981028

Probable Assignee:	NATIONAL TELEMESURE INC
Assignee(s):(std)**:**	BELANGER GUY ; PINEAU DANIEL ; POTVIN GUY
Assignee(s):	NATIONAL TELEMESURE INC
Inventor(s):(std)**:**	BELANGER GUY ; PINEAU DANIEL ; POTVIN GUY
Agent(s):	BKP GP
International class (IPC 8–9)**:**	F16L15/08 G01F1/05 G01F1/06 G01F1/10 G01F15/06 G01F15/14 G01F15/18 (Advanced/Invention); G01F1/05 G01F15/00 G01F15/06 (Core/Invention)
International class (IPC 1–7)**:**	F16L15/08 G01F1/05 G01F15/18
CPC:	G01F1/06 G01F1/10 G01F15/06 G01F15/14 G01F15/18
European class:	G01F1/06 G01F1/10 G01F15/06 G01F15/14 G01F15/18
Classification Explorer	
Forward Citations:	WO08049987, WO08049987, GB2421580, GB2421580, FR2907545,

Abstract:
Source: CA2252015A A coupling adaptor unit permits a metering device such as a meter registering unit to attach to a fluid meter impeller unit such as a water meter when the meter registering unit and the fluid meter impeller unit may not inherently attach to one another. The coupling adaptor unit comprises a body comprising first coupling component for coupling with the fluid meter impeller unit and a second coupling component for coupling with the meter registering unit.

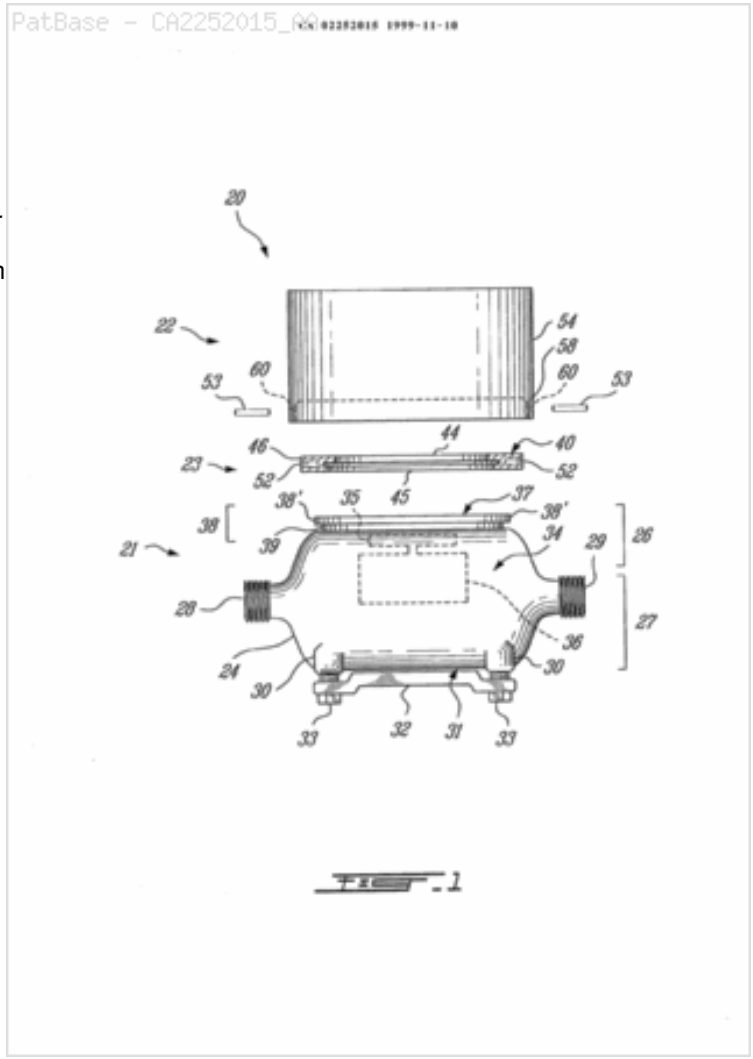


Fig. 1

0) CN2443340Y – METER POSSESSING VISUAL WINDOW WITH PROTECTIVE ...

64) Family number: 17796525 (CN2443340Y) © PatBase

Title: Meter possessing visual window with protective cover

Priority: CN20002023305U 20000818

Family:

Publication number	Publication date	Application number	Application date
CN2443340 Y	20010815	CN20002023305U	20000818

Probable Assignee: LONG YONG

Assignee(s):(std)**:** LONG YONG

Inventor(s):(std)**:** YONG LONG ; LONG YONG

International class (IPC 8–9)**:** G01F15/00 G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F15/00 G01F15/14

Classification Explorer

Forward Citations: CN102900101,

Abstract:
Source: CN2443340Y The utility model relates to a fluid metering device, particularly a metering device for observing reading of a metering meter disc through a view window. The purpose of the utility model is to solve the problem that the existing metering device is easily damaged. The utility model comprises a meter body 1 which is provided with the view window, a protecting cover 3 which can cover the view window, a hinge 4 which is connected with the meter body and the protecting cover and is used for opening and closing the protecting cover, an opening and closing lock which is composed of a lock pin 9 and a lock catch 10 which are matched with each other. The utility model can protect the view window so as not to be easily damaged, and the utility model has the advantages of convenient observation for the meter reading, convenient opening and closing for the protecting cover, simple structure, etc. In addition, the utility model is used for producing the fluid metering device, such as a water meter, a gas meter, etc.

0) US5676133A – EXPIRATORY SCAVENGING METHOD AND APPARATUS AND ...

65) Family number: 20396209 (US5676133A) © PatBase

Title: EXPIRATORY SCAVENGING METHOD AND APPARATUS AND OXYGEN CONTROL SYSTEM FOR POST ANESTHESIA CARE PATIENTS

Priority: US19950000196 19950614 US19950000196P 19950614 US19960009688P 19960102 WO1996US10416 19960613 US19960658199 19960604 US19960009688 19960102

Family:

Publication number	Publication date	Application number	Application date
AU199662813 A1	19970115	AU19960062813	19960613
CA2224576 AA	19971212	CA19962224576	19960613
EP0930906 A1	19990728	EP19960921639	19960613
JP11508159 T2	19990721	JP19970503378T	19960613
US5676133 A	19971014	US19960658199	19960604
WO9700092 A1	19970103	WO1996US10416	19960613

Probable Assignee: APOTHEUS LABORATORIES LTD

Assignee(s):(std)**:** APOTHEUS LABORATORIES LTD ; APOTHEUS LAB INC ; APOTHEUS LAB LTD

Assignee(s): APOTHEUS LABORATORIES INC ; ADAMS RICHARD B ; DEVILLIERS JAMES C ; PESA WILLIAM A ; LILES RICHARD A ; HICKLE RANDALL S ; EARSLEY JAMES L

Inventor(s):(std)**:** WILLIAM A PESA ; RICHARD B ADAMS ; RICHARD A LILES ; RANDALL S HICKLE ; PESA WILLIAM A ; LILES RICHARD A ; JAMES L EARSLEY ; JAMES C DEVILLIERS ; HICKLE RANDALL S ; EARSLEY JAMES L ; DEVILLIERS JAMES C ; DE VILLIERS JAMES C ; ADAMS RICHARD B

Agent(s): KIRBY EADES GALE BAKER

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): A61M16/00 A61M16/01 A61M16/06 A62B18/02 A62B18/08 (Advanced/Invention); A61M16/00 A61M16/01 A61M16/06 (Advanced/Non–invention); A61M16/00 A61M16/01 A61M16/06 A62B18/00 (Core/Invention); A61M16/00 A61M16/06 (Core/Non–invention)

International class (IPC 1–7): A61M16/00 A61M16/01 A62B18/02 A62B18/08

CPC: A61M16/0093 A61M16/0688 A61M16/00 A61M16/009 A61M16/06

European class: A61M16/00 A61M16/00P2 A61M16/06 K61M16/00P2 K61M16/00P2A K61M16/06 K61M16/06S2

US class: 128/202.27 128/204.18 128/205.12 128/205.24 128/205.25 128/206.21 128/206.22 128/206.24 128/206.25 128/910

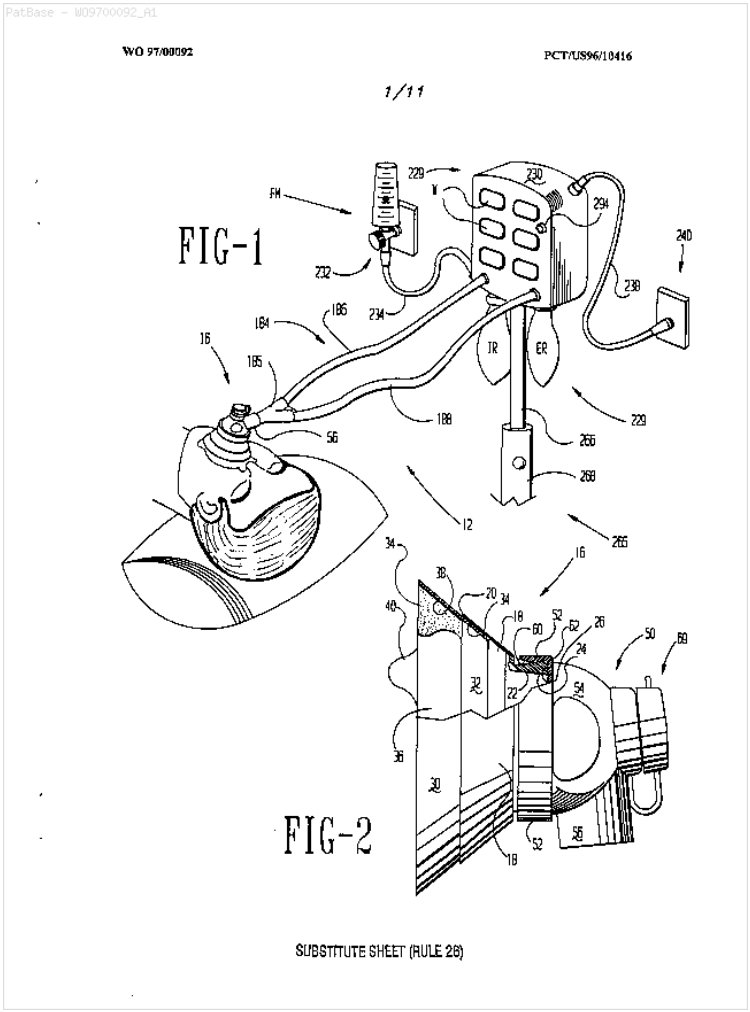
Classification Explorer

Cited documents: US5540223 A, US5529056 A, US5507280 A, US5406943 A, US5404873 A, US5400779 A, US5368021 A, US5348000 A, US5322061 A, US5143061 A, US4966140 A, US4873970 A, US4807617 A, US4794921 A, US4750482 A, US4653493 A, US4580556 A, US4506665 A, US4382440 A, US4337767 A, US4196727 A, US4192785 A, US3973564 A, US3850168 A, US3664335 A, US3467092 A, US3291122 A, US2931356 A, US2880719 A, US2837090 A, US2254854 A, GB2072516 A1, GB1588442 A, FR2537695 A1, EP0601708 A2,

Forward Citations: WO9962403, WO9961090, WO9925410, WO15175625, WO14091322, WO12006415, WO11097604, WO11097604, WO11091057, WO11038303, WO11031276, WO10057166, WO08153755, WO07143366, WO06102707, WO05072217, WO05072217, WO05065244, WO05065244, WO04052439, WO03097145, WO03097145, WO0213884, WO0213884, WO02058773, USRE44545, USD766421, USD736908, USD719254, USD690003, USD581041, USD580048, USD489817, USD484238, USD483477, USD483476, USD481119, USD464428, USD464133, USD431077, USD430663, USD428139, US9457162, US9439577, US9421340, US9408995, US9381316, US9375545,

US9308342, US9295800, US9259549, US9227033, US9149595, US9144656, US9119931, US9089665, US9072853, US9027556, US8997742, US8991395, US8973580, US8960196, US8960194, US8950398, US8944061, US8944058, US8875710, US8874251, US8869797, US8851018, US8844530, US8844529, US8839789, US8833370, US8826905, US8807133, US8794234, US8794233, US8746250, US8726900, US8667965, US8616211, US8613281, US8613280, US8607796, US8596273, US8578935, US8573215, US8573214, US8573213, US8567404, US8555885, US8550084, US8550083, US8550082, US8550081, US8539953, US8528561, US8528552, US8522784, US8517023, US8505535, US8485192, US8485181, US8479738, US8479737, US8479736, US8434484, US8434483, US8434481, US8424523, US8402972, US8387616, US8381732, US8381727, US8371302, US8371301, US8371297, US8360058, US8353294, US8316858, US8291905, US8236216, US8230855, US8113197, US8074646, US8028694, US8025057, US8020276, US7997267, US7992558, US7963284, US7938116, US7909035, US7900626, US7874291, US7861714, US7770934, US7743767, US7703457, US7677245, US7669438, US7644594, US7628034, US7597100, US7596965, US7575006, US7565905, US7539537, US7487777, US7487772, US7464711, US7318439, US7247154, US7243650, US7219666, US7207334, US7201734, US7185652, US7174895, US7174893, US7114498, US7089939, US7021311, US7004163, US6986347, US6955650, US6929006, US6857428, US6807965, US6805124, US6782888, US6629531, US6584976, US6575165, US6571798, US6561189, US6520181, US6491034, US6464924, US6460539, US6408853, US6405729, US6374824, US6357437, US6354296, US6263874, US6247926, US6209542, US6192884, US6135109, US2015374941, US2014305433, US2013131534, US2013109992, US2012073509, US2012006330, US2011186050, US2011174309, US2011132366, US2011094508, US2011061656, US2010306992, US2010282264, US2010139659, US2010132706, US2010122706, US2010122705, US2010122704, US2010116276, US2010071694, US2009250066, US2009250061, US2009241960, US2009188505, US2009145429, US2009114227, US2009032024, US2008302365, US2007267209, US2007255160, US2007240718, US2007162097, US2007050883, US2007021808, US2007006879, US2006254590, US2006254589, US2006254587, US2006254586, US2006130845, US2006130843, US2006107960, US2006076017, US2006027236, US2005284479, US2005199235, US2005155380, US2005145247, US2005133033, US2005076912, US2005051171, US2005039742, US2005010166, US2005010165, US2005005931, US2005000519, US2004216747, US2004149287, US2004134497, US2004107967, US2004084048, US2004060560, US2003196662, US2003145854, US2003065273, US2002153012, US2002023649, JP2015147054, JP2015013184, JP2011041850, JP2009501577, JP2008539978, JP2004000572, JP2001238952, FR2849782, EP2846863, EP2810677, EP2531248, EP2531248, EP2470272, EP2470272, EP2349424, EP2349424, EP2327443, EP2319572, EP2319571, EP2269679, EP2269678, EP2221081, EP1425069, EP1360971, EP1099452, EP1082056, EP0982042, CN104870041, CN102949178, AU2011209931, AU2011207555, AU2010202144, AU2003203836, AU2001236735,

Abstract:
Source: US5676133A An apparatus and method for preventing contamination of the Post Anesthesia Care Unit of A Hospital by the use of a mask sealed to the patient's face and connected by a ventilator circuit to an airator that pulls a vacuum to exhaust the patient's expirations to the outside atmosphere. The disclosure also includes a "oxyvent" which is a tube adapted to be attached to an oxygen tank and to a patient to provide a higher oxygen ratio to the patient and to provide forced ventilation to a patient who has difficulty ventilating.



0) WO16205622A1 – METHOD AND APPARATUS FOR EXTRACORPOREAL SUPPORT...

66) Family number: 64460429 (WO16205622A1) © PatBase

Title: METHOD AND APPARATUS FOR EXTRACORPOREAL SUPPORT OF PREMATURE FETUS

Priority: US20150181861P 20150619 US20150260251P 20151126

Family:

Publication number	Publication date	Application number	Application date
WO16205622 A1	20161222	WO2016US38045	20160617

Probable Assignee: CHILDREN S HOSPITAL OF PHILADELPHIA

Assignee(s):(std)**:** CHILDREN S HOSPITAL OF PHILADELPHIA

Inventor(s):(std)**:** FLAKE ALAN ; MARCUS DAVEY

Agent(s): BAILEY DAVID R 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): A01N1/02 A61G10/00 A61G10/02 A61G11/00 (Advanced/Invention)

CPC: A61G10/02 A61G11/00 A61G11/006 A61G11/009 A61G11/008 A01N1/0247

Classification Explorer

Cited documents: US5218958 A, US5063924 A, US4796605 A, US2723660 A, US2007010005 AA, US2004193096 AA,

Abstract:
A system configured to support growth and development of a premature fetus is disclosed. Specifically, a method and apparatus configured to provide extracorporeal support for premature fetuses is disclosed.

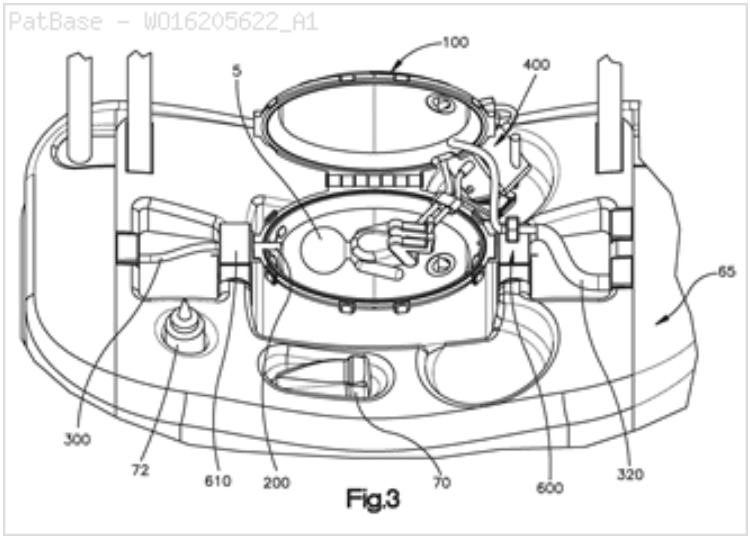


Fig.3

0) NL8006332A – INRICHTING VOOR HET OMSCHAKELEN VAN EEN HULPAPP...

67) Family number: 4993634 (NL8006332A) © PatBase

Title: INRICHTING VOOR HET OMSCHAKELEN VAN EEN HULPAPPARAAT VOOR DE CIJFERMATIGE VERRUIMING VAN EEN PRIJSCALCULA– TIETOESTEL (DRIJFWERK MET VARIABEL TOERENTAL). PRICE CALCULATOR EXTENSION FOR PETROL PUMP – HAS LEVER TO ADD OUTPUT OF GEAR TRAIN TO VELOCITY CONTROLLER

Priority: NL19800006332 19801120

Family:

Publication number	Publication date	Application number	Application date
NL8006332 A	19810331	NL19800006332	19801120

Probable Assignee: KIENZLE APPARATE GMBH

Assignee(s):(std)**:** KIENZLE APPARATE GMBH

Assignee(s): KIENZLE APPARATE GMBH TE VILLINGEN BONDSREPUBLIEK DUITSLAND ; KIENZLE APPARATE G M B H TE VILLINGEN BONDSREPUBLIEK DUITSLAND

International class (IPC 8–9): B67D7/22 (Advanced/Invention); B67D7/22 (Core/Invention)

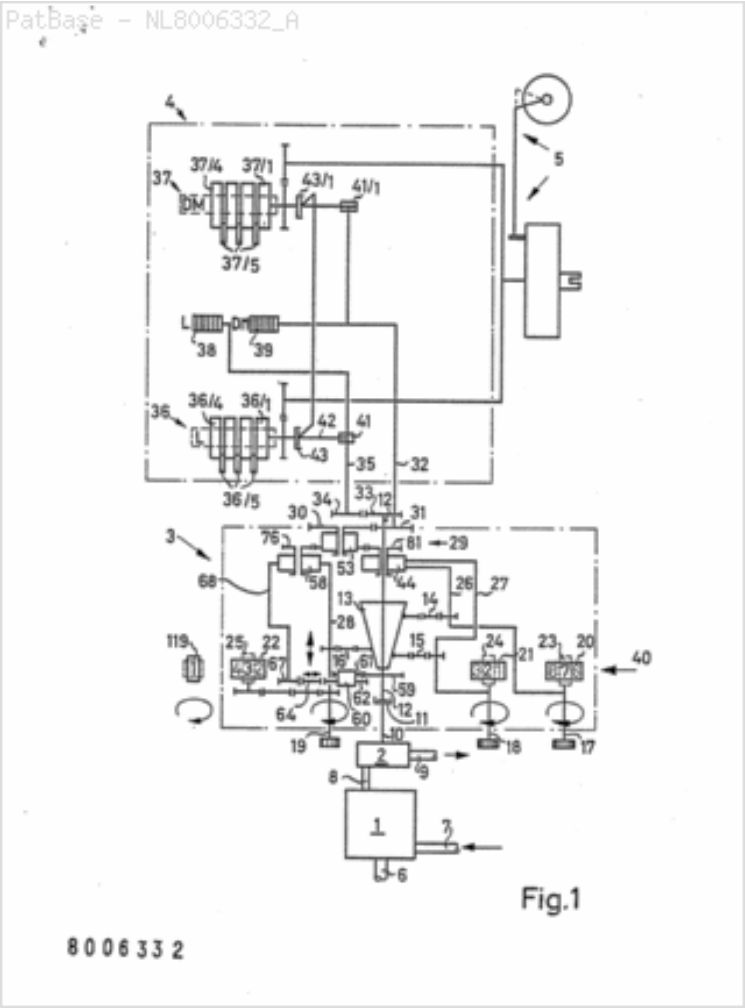
International class (IPC 1–7): B67D5/22 G06M1/14

CPC: B67D7/22

European class: B67D7/22

Classification Explorer

Abstract:
A flowmeter is placed in the fuel flow pipe and a velocity controller can be driven by the flowmeter and adjusted to the variable unit price, with unit price being displayed, in order to calculate the total price from the fuel supplied and the unit price. The n–decade calculator mechanism has an associated orientable gear train which can be driven proportionally to quantity and whose output rotational velocity can be added to that of the velocity controller by the action of a lever controlled manually. At the common output shaft of the calculator mechanism the result of the calculation extended by a decade is obtained.



0) US2003042194A – FILTER FOR LIQUID PRODUCTS

68) Family number: 28356157 (US2003042194A) © PatBase

Title: Filter for liquid products

Priority: BR2001PI04000 20010725

Family:

Publication number	Publication date	Application number	Application date
BRPI0104000 A	20020305	BR2001PI04000	20010725
BRPI0104000 B1	20110920	BR2001PI04000	20010725
US2003042194 AA	20030306	US20020202467	20020724
US6730219 BB	20040504	US20020202467	20020724

Probable Assignee: ATTILIO TURCHETTI

Assignee(s):(std)**:** ATTILIO TURCHETTI

Assignee(s): TURCHETTI ATTILIO

Inventor(s):(std)**:** TURCHETTI ATTILIO

Inventor(s): ATTILIO TURCHETTI

International class(IPC 8–9)**:** B01D25/133 B01D29/11 (Advanced/Invention)

International class(IPC 1–7)**:** B01D25/133 B01D29/25 B01D29/35 B01D29/68 B01D29/94 B01D33/50 B30B9/14

CPC: B01D29/118

European class: B01D29/11G2

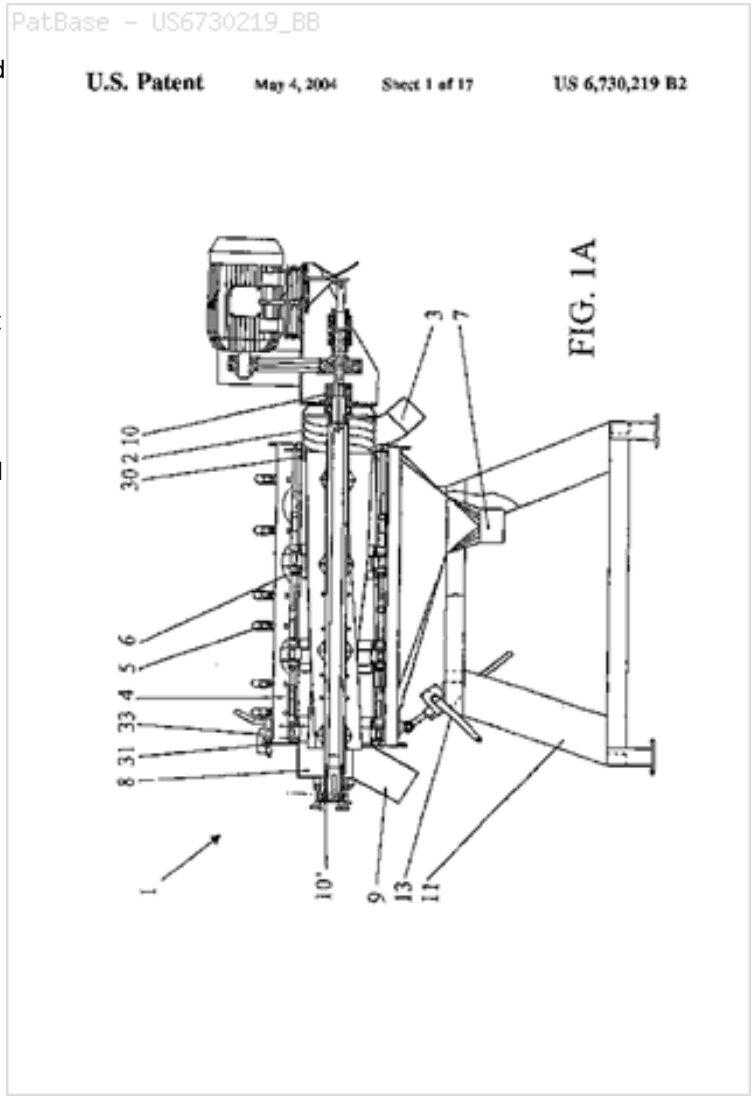
US class: 100/117 210/108 210/237 210/250 210/388 210/393 210/408 210/411 210/414 210/415

Classification Explorer

Cited documents: US5858228 A, US3680702 A, US3310171 A, US2975903 A, US2843267 A,

Forward Citations: US2010326222,

Abstract:
Source: US2003042194A The filter has a framework with an inlet end, a solids outlet end and an outlet for a separated product between the ends. A fabric filter extends in the framework from end to end and is supported by movable rings, resilient members and dampers enabling axial extension and contraction of the filter. The resilient members, rings and dampers form a unit removable from the framework. A propeller turbine extends through the filter and is supported at opposite ends, and a drive is coupled with the turbine at the one end of the framework. A quick assembly/disassembly mechanism with a rail extends along the framework and is engageable with its cap for removing same and affording access to the unit enabling withdrawal of the unit from said framework and reinsertion of a filter unit composed of a filter and respective movable rings, resilient members and dampers.



0) CN204802346U – INTELLIGENCE NITROGEN GAS CABINET

69) Family number: 60941548 (CN204802346U) © PatBase

Title: INTELLIGENCE NITROGEN GAS CABINET

Priority: CN201520372993U 20150603

Family:

Publication number	Publication date	Application number	Application date
CN204802346 U	20151125	CN201520372993U	20150603

Probable Assignee: SHENZHEN DONG HONG XIN STATIC EQUIPMENT CO LTD

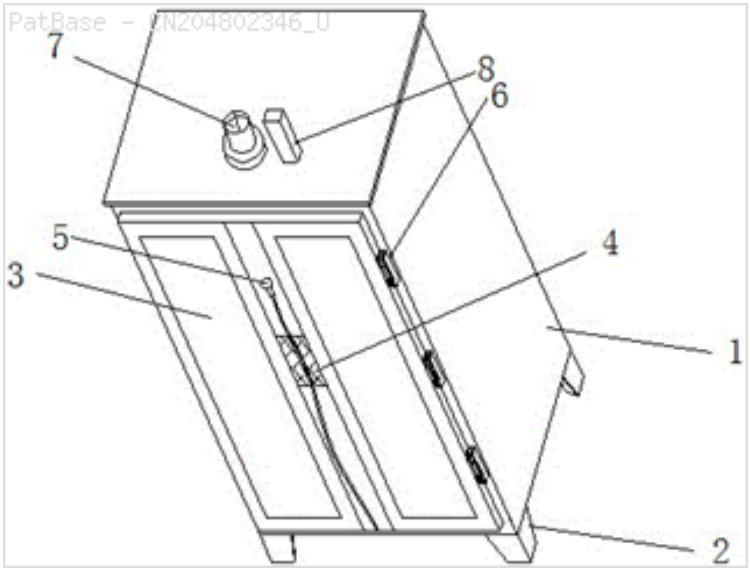
Assignee(s):(std)**:** SHENZHEN DONG HONG XIN STATIC EQUIPMENT CO LTD

Assignee(s): EAST SHENZHEN HONG XIN ELECTROSTATIC EQUIPMENT CO LTD ; SHENZHEN DONG HONG XIN STATIC EQUIPMENT CO

Inventor(s):(std)**:** HU QINGHUA ; LAN YUANYI

International class (IPC 8–9): B65D81/20 B65D88/10 B65D90/22 B65D90/48 (Advanced/Invention)

Classification Explorer



Abstract:
Source: CN204802346U The utility model discloses an intelligence nitrogen gas cabinet, it relates to nitrogen gas cabinet field. The bottom of the outer cabinet body of nitrogen gas cabinet is provided with the callus on the sole, the top of the outer cabinet body of nitrogen gas cabinet is provided with the top cap, the strengthening rib is installed to the top cap inboard, install alarm lamp and nitrogen gas flow meter on the top cap, the positive both sides of the outer cabinet body of nitrogen gas cabinet are provided with the special door hinge of nitrogen gas cabinet, the cabinet gate open is crossed the special door hinge of nitrogen gas cabinet and is fixed the nitrogen gas cabinet outside the cabinet on physically, and divide the post between two cabinet doors in being provided with, the top of well minute post is provided with the display, well minute post middle part is detained through the handle and is fixed with the handle, and the bottom of the outer cabinet body of nitrogen gas cabinet is connected with the scanning rifle through the wire. Its design has scanning rifle and electronic lock, and the bar code of scanning corresponding product can be opened the chest body that corresponds, prevents the multiple product emergence compounding of putting together, has had the guarantee to the safety of product, and nitrogen gas cabinet the inside is not used in artificial going and looks over and detect the humiture, all can arrive the numerical value of setting for by automatically regulated, shows on the display screen.

0) US2538084A – METER READING CARD CASE

70) Family number: 22455749 (US2538084A) © PatBase

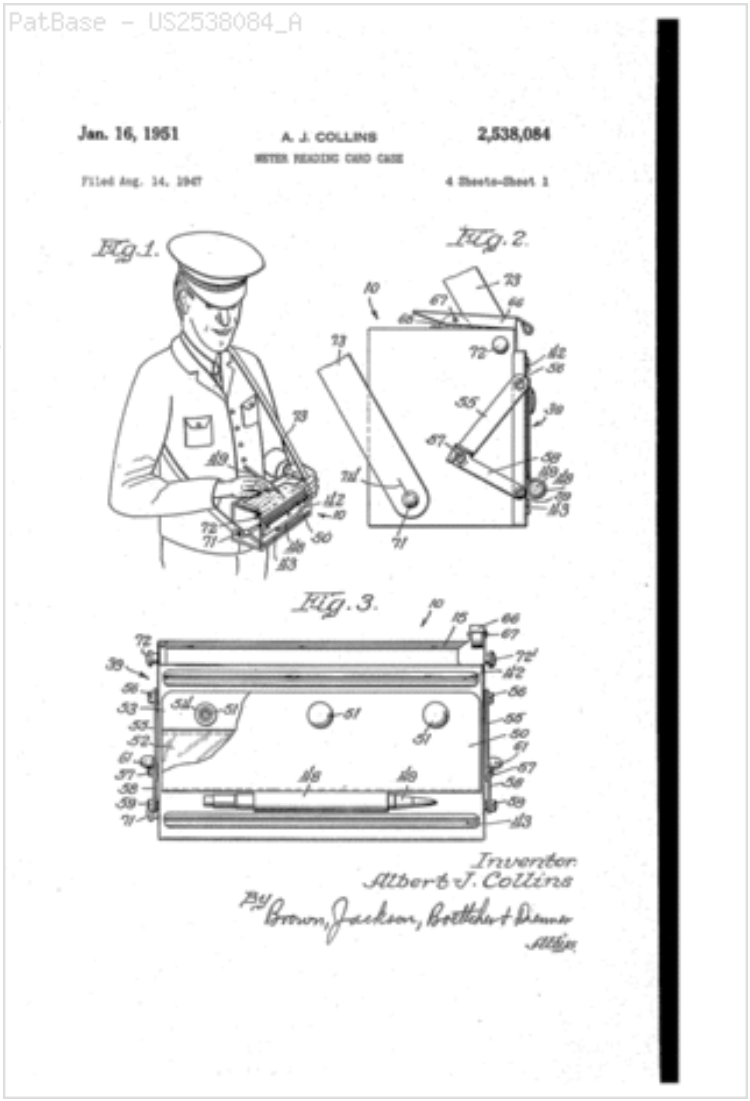
Title:	METER READING CARD CASE
Priority:	US19470768627 19470814

Family:

Publication number	Publication date	Application number	Application date
US2538084 A	19510116	US19470768627	19470814

Probable Assignee:	COLLINS ALBERT J
Assignee(s):(std)**:**	COLLINS ALBERT J
Inventor(s):(std)**:**	COLLINS ALBERT J
International class (IPC 8–9)**:**	A47B63/02 (Advanced/Invention); A47B63/00 (Core/Invention)
International class (IPC 1–7)**:**	G06K1/02 G06K1/05
CPC:	A47B63/02
European class:	A47B63/02
US class:	220/505 312/60
Classification Explorer	
Cited documents:	US356810 A, US1826991 A, US1752989 A, US1613440 A, US1240621 A,
Forward Citations:	US3355066, US2770473, US2707115, US2653038,

Abstract:
Source: US2538084A (Claim 1) 1. A case for carrying rectangular tabulating cards comprising a rectangular container having end walls and open for its full extent along one side thereof, a pair of spgced apal–t partitions in said contai–ner alid rigidly secured to the end walls there6f, one each of said partitions being closely disposed adjacent the top and bottom of said case to define a relatively shallow working compartment adjacent the top of said case and a relatively shallow auxiliary compartment adjacent the bottom (f said case, said partitions defining therebetween a storage compartment of appreciably greater height than the combined height of said working and auxiliary compartio ments, an exposed freely accessible cover closing the open side of said case, a pair of spaced apart slots, one each extending longitudinally of said cover adjacent the top and bottom thereof and communicating respectively with the top of said storage compartment and the top of said auxiliary compartment, and hinge means connected between said cover and the outer surface of said end walls effective to swing said cover from its closed position to a, position beneath the bottom of said container.



0) WO07091812A2 – COVER STRUCTURE FOR CONSTRUCTION EQUIPMENT CASE...

71) Family number: 34156382 (WO07091812A2) © PatBase

Title: COVER STRUCTURE FOR CONSTRUCTION EQUIPMENT CASE AND MANUFACTURING METHOD THEREOF

Priority: KR20060011603 20060207

Family:

Publication number	Publication date	Application number	Application date
KR100639583 B1	20061031	KR20060011603	20060207
WO07091812 A2	20070816	WO2007KR00617	20070206
WO07091812 A3	20071004	WO2007KR00617	20070206

Probable Assignee: YUN DAE HOON

Assignee(s):(std)**:** YUN DAE HOON

Inventor(s):(std)**:** YUN DAE HOON

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 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): A62C35/20 G01F15/14 (Advanced/Invention); A62C35/00 G01F15/00 (Core/Invention)

CPC: E04F19/08

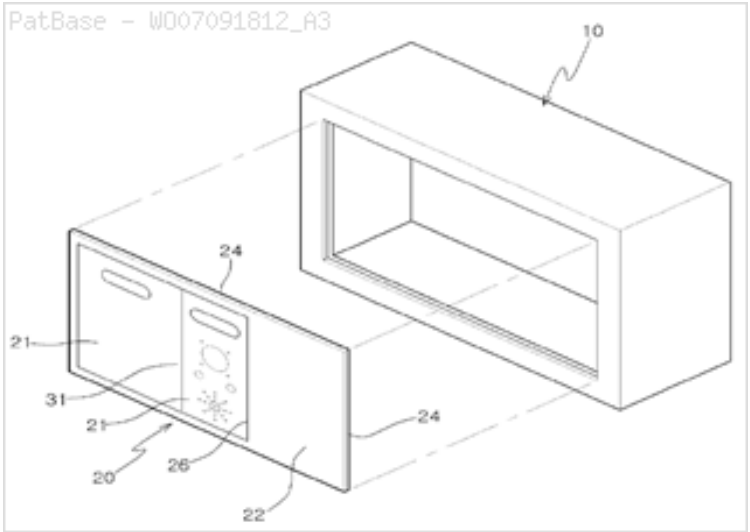
European class: E04F19/08

Classification Explorer

Cited documents: KR20010028786 A, KR20010028786, KR19990003044 A, JP4183215 A2,

Forward Citations: WO08092701,

Abstract:
A cover structure for a construction equipment case is characterized in that said cover is formed in such a way that an outer side of the metallic plate is bent for thereby forming a first bent part, and an inner side of the metallic plate is cut for thereby forming an opening which is opened and closed, and a support bar is fixed at an opening of the cover in the upper and lower directions or the left and right directions, and an inwardly bent door support part is fixed at the upper and lower portions or the left and right portions of the opening in the opposite directions.



0) US2015258287A – DEVICE TO DELIVER A PREDETERMINED AMOUNT OF A S...

72) Family number: 56013410 (US2015258287A) © PatBase

Title: DEVICE TO DELIVER A PREDETERMINED AMOUNT OF A SUBSTANCE TO A NATURAL ORIFICE OF THE BODY

Priority: DE201320105715U 20131216 US20130868614P 20130822 US20130868627P 20130822 WO2014IL50752 20140821 US20140433048 20140821

Family:

Publication number	Publication date	Application number	Application date
DE202013105715 U1	20140327	DE201320105715U	20131216
US2015258287 AA	20150917	US20140433048	20140821
WO15025324 A1	20150226	WO2014IL50752	20140821

Probable Assignee: SIPNOSE LTD

Assignee(s):(std)**:** SIPNOSE LTD

Inventor(s):(std)**:** SHAHAF DANIEL ; SHICHOR IRIS

Agent(s): CLERGET CYRIL

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): A61M11/00 A61M11/02 A61M13/00 A61M15/00 A61M15/08 A61M16/00 A61M31/00 (Advanced/Invention)

CPC: A61M15/0005 A61M15/0013 A61M15/003 A61M15/0071 A61M15/009 A61M15/08 A61M2205/3334 A61M15/0003 A61M15/0035 A61M15/0041 A61M2205/3331 A61M2205/8225 A61M2205/8268 A61M2205/8293 A61M2206/16 A61M11/007 A61M3/0254 A61M11/02 A61M15/0021 A61M16/1055 A61M16/1065 A61M2202/0208 A61M2202/0225 A61M2202/025 A61M2202/0283 A61M2202/0291 A61M2202/064 A61M2205/073 A61M2205/106 A61M2205/8206 A61M15/0095

US class: 128/200.19 128/200.23

Classification Explorer

Cited documents: WO9012567 A1, WO13128447 A1, WO12029064 A1, US7726308 BA, US3921637 A, US2011088690 AA, US2007060868 AA, US2005028812 AA, US2003079743 AA, EP2030645 A1,

DE202013105715 U1

Forward Citations: WO16071914, WO15025324,

Abstract:
Source: US2015258287A The present invention provides a device for delivering a predetermined amount of at least one substance to a body orifice of a subject; comprising: a. a container for containing said at least one substance; b. a delivery end for placement in proximity to said orifice, said delivery end being in fluid communication with said container; c. a valve mechanically connectable to said container, characterized by at least two configurations: (i) an ACTIVE CONFIGURATION in which said valve enables delivery of predetermined amount of said substance from said container to said body orifice via said delivery end; and, (ii) an INACTIVE CONFIGURATION, in which said valve prevents delivery of said predetermined amount of said substance from said container to said body orifice; d. a trigger mechanism adapted to reconfigure said valve from said INACTIVE CONFIGURATION to said ACTIVE CONFIGURATION, and vice versa; e. a fluid tight chamber.

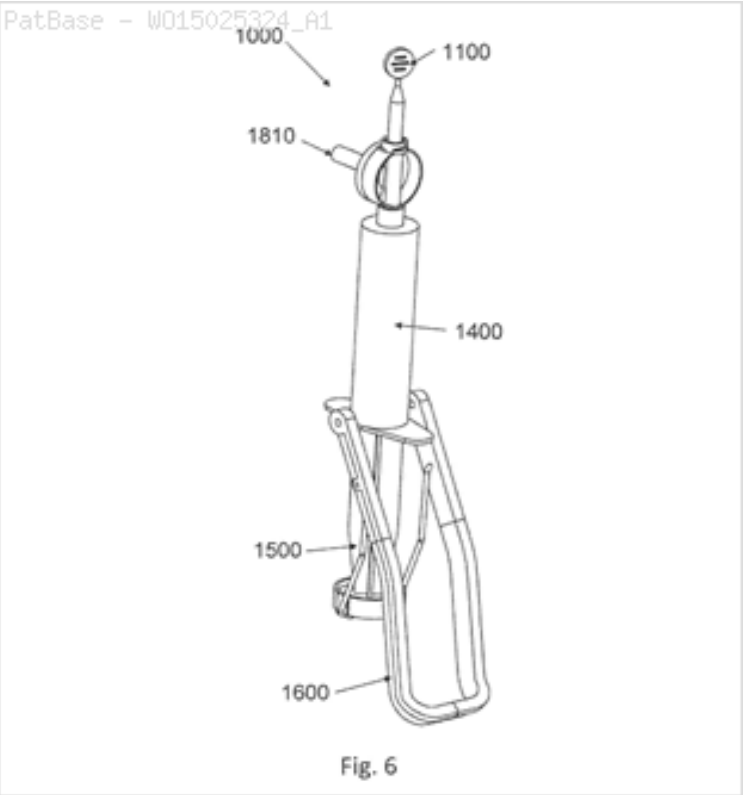


Fig. 6

0) DE4015895C1 – APPTS. FOR WELDING OF SMALL TITANIUM (ALLOY) PA...

73) Family number: 8202776 (DE4015895C1)

© PatBase

Title: Appts. for welding of small titanium (alloy) parts e.g. jewellery – comprises enclosure which can be sealed gas–tight and which contains gas inlet for welding torch

Priority: DE19904015895 19900517

Family:

Publication number	Publication date	Application number	Application date
DE4015895 C1	19911212	DE19904015895	19900517

Probable Assignee: KRUPP MEDIZINTECHNIK GMBH 4300 ESSEN DE

Assignee(s): KRUPP MEDIZINTECHNIK GMBH 4300 ESSEN DE

Inventor(s): KRAMER EWALD DIPL ING 4450 LINGEN DE ; KRAMER EWALD DIPL ING

International class (IPC 8–9): A44C27/00 A61C13/20 B23K1/002 B23K20/02 B23K20/14 B23K3/00 B23K35/28 B23K9/32 (Advanced/Invention); A44C27/00 A61C13/20 B23K1/002 B23K20/02 B23K20/14 B23K3/00 B23K35/28 B23K9/32 (Core/Invention)

International class (IPC 1–7): A44C27/00 A61C13/20 B23K3/00 B23K35/38 B23K37/04

CPC: A44C27/00 A61C13/20 B23K1/002 B23K3/00 B23K9/324 B23K9/325 B23K20/023 B23K20/14 B23K35/28

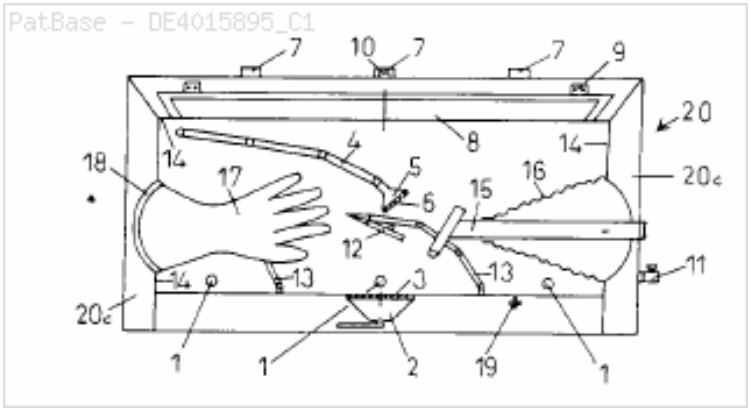
European class: A44C27/00 A61C13/20 B23K1/002 B23K20/02D B23K20/14 B23K3/00 B23K35/28 B23K9/32F B23K9/32G

Classification Explorer

Cited documents: US4437710 A, US4088258 A, US2459812 A, GB385285 A, DE2940959 C2,

Forward Citations: EP1308570, EP1153692, DE4211223, CN103537777, CN103537777,

Abstract:
Source: DE4015895C1 Small parts, partic. dental or jewellery parts, of Ti or Ti alloy, are brazed or welded in an enclosure (20) which can be sealed gas–tight and which is at least partially transparent. A gas inlet (2) in the base (20a) of the enclosure is covered by a distributor (3) of sintered metal and an additional gas supply comes via a flexible lead (4) with a funnel (5) end contg. a sintered metal distributor (6). A welding torch (15) which can move in all directions is surrounded by a bellows (16). ADVANTAGE – Stable welding atmos. without restriction of welding/brazing operations.



0) US4172381A – FLOWMETER FOR LIQUIDS

74) Family number: 1655550 (US4172381A) © PatBase

Title: Flowmeter for liquids

Priority: DE19772715239 19770405 DE19772715240 19770405

Family:

Publication number	Publication date	Application number	Application date
DE2715239 A1	19781012	DE19772715239	19770405
DE2715240 A1	19790104	DE19772715240	19770405
DE2715240 B2	19790906	DE19772715240	19770405
JP53123965 A2	19781028	JP19770139030	19771121
US4172381 A	19791030	US19780893560	19780405

Probable Assignee: AIGNER GEORG

Assignee(s):(std)**:** AIGNER GEORG

Assignee(s): AIGNER GEORG 8500 NUERNBERG

Inventor(s):(std)**:** GEORUKU AIGUNAA ; AIGNER GEORG

Inventor(s): AIGNER GEORG 8500 NUERNBERG

International class (IPC 8–9): G01F1/06 G01F15/07 (Advanced/Invention); G01F1/05 G01F15/00 (Core/Invention)

International class (IPC 1–7): G01F1/05 G01F1/06 G01F1/075 G01F15/00 G01F15/06 G01F15/075

CPC: G01F1/065 G01F1/06

European class: G01F1/06 G01F1/06A

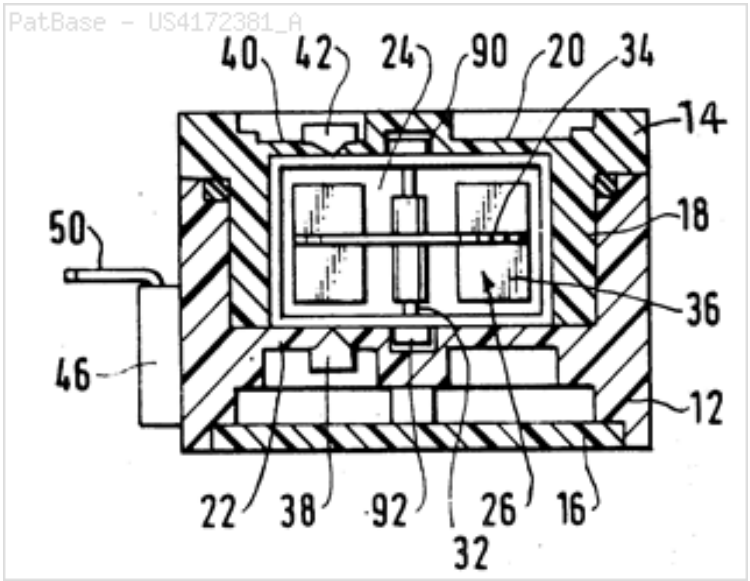
US class: 73/229 73/861.77 73/861.87

Classification Explorer

Cited documents: US3922525 A, US3867840 A, US3866469 A, US3751642 A, US3360989 A, DE2502599 A1,

Forward Citations: US9285807, US9243756, US9228329, US9175458, US8790304, US8690826, US8365767, US8243040, US8162236, US8118240, US8089473, US7306115, US6092693, US5932814, US5902938, US5868279, US5847288, US5728949, US5651663, US5099699, US4825708, US4758827, US4489615, US4467660, US2006153165, EP2287549, EP0769681, DE3729003, DE19680105, DE10204003, DE102014226416,

Abstract:
Source: US4172381A An improved flowmeter for liquids is provided of the type which includes a housing, a cylindrical chamber formed in the housing, a shaft rotatably mounted in the housing and extending coaxially through the chamber, an impeller mounted on the shaft and an inlet and outlet channel provided in the housing and communicating with the chamber. The impeller is provided with a coaxially disposed circular disc having a plurality of radiation–permeable passageways formed therethrough spaced about the periphery thereof. A radiation source is disposed on the side of the disc and a radiation sensor on the other side of the disc in axial alignment with the passageways thereof. The flowmeter is especially useful for accurately determining relatively low flow rates.



0) US2217097A – METER BOX COVER

75) Family number: 21329981 (US2217097A) © PatBase

Title: METER BOX COVER

Priority: US19370152282 19370706

Family:

Publication number	Publication date	Application number	Application date
US2217097 A	19401008	US19370152282	19370706

Probable Assignee: BROOKS FRANK M

Assignee(s):(std)**:** BROOKS FRANK M

Inventor(s):(std)**:** BROOKS FRANK M

International class (IPC 8–9)**:** G01F15/14 G01R11/04 (Advanced/Invention); G01F15/00 G01R11/00 (Core/Invention)

CPC: G01F15/14 G01R11/04 Y10T16/52 Y10T70/5589 Y10T137/7021

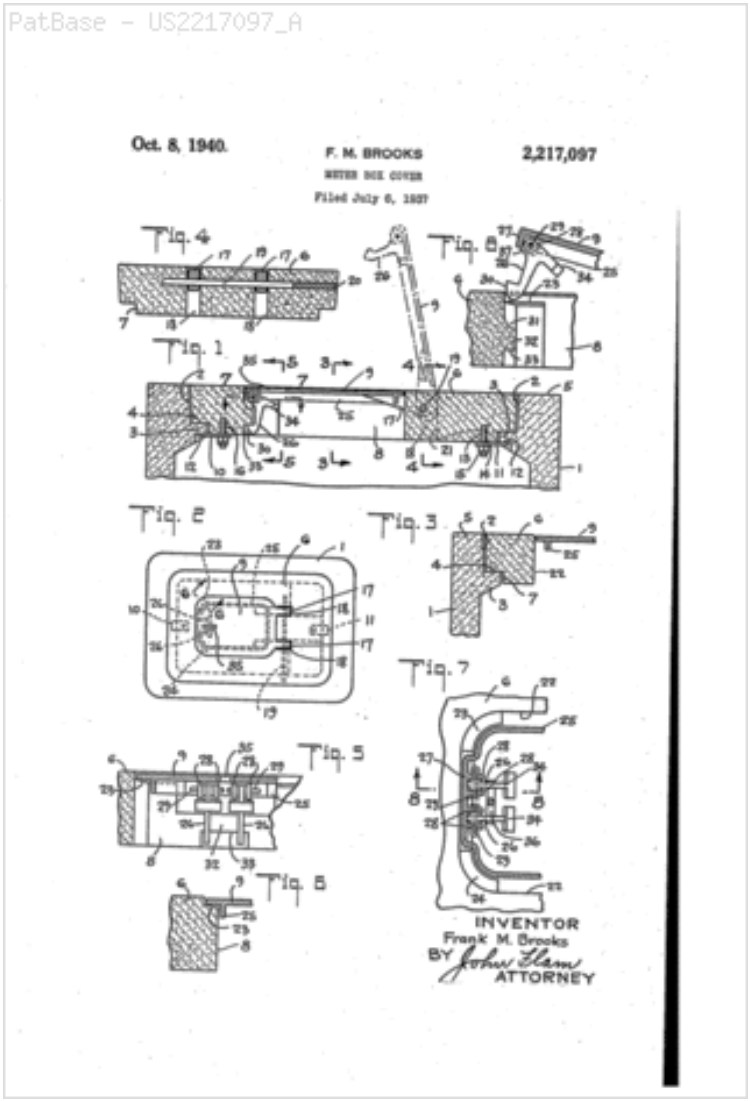
European class: G01F15/14 G01R11/04

US class: 137/371 16/221 220/3.8 220/324 70/169

Classification Explorer

Forward Citations: USD671435, US7744304, US7503339, US7370663, US6772782, US4827560, US3858755, US3230844, US2903151, US2822682, US2697002, US2501762, US2006245829, US2005005970, US2004089345, DE3244826,

Abstract:
Source: US2217097A 1. In a, device of the character described, a cover member formed of plastic non−metallic material, and having a viewing aperture, a metal lid for the aperture, adapted to Jie substantially flush with the cover member, there being slots adjacent an edge of the aperture, said lid having hinge lugs accommodated in the slots, and a. pivot rod extending through the slots and the lugs and disposed in an appropriate hole in the cover member.



0) US3051456A – AGITATING DEVICE

76) Family number: 22798466 (US3051456A) © PatBase

Title: AGITATING DEVICE

Priority: US19590830142 19590728

Family:

Publication number	Publication date	Application number	Application date
US3051456 A	19620828	US19590830142	19590728

Probable Assignee: CLARKE BUILT LTD

Assignee(s):(std)**:** CLARKE BUILT LTD

Assignee(s): CLARKE BUILT LIMITED

Inventor(s):(std)**:** JOSEPH CLARKE FRANK ; LESLIE GOLDSMITH THOMAS

Inventor(s): CLARKE FRANK JOSEPH ; GOLDSMITH THOMAS LESLIE

International class (IPC 8–9): A23G9/20 A23G9/22 B01F13/10 B01F5/14 B01F7/04 (Advanced/Invention); B01F7/00 (Advanced/Non–invention); A23G9/04 B01F13/00 B01F5/00 B01F7/02 (Core/Invention); B01F7/00 (Core/Non–invention)

CPC: A23G9/20 A23G9/224 B01F5/14 B01F7/003 B01F7/00533 B01F7/007 B01F7/04 B01F13/1027

European class: A23G9/20 A23G9/22H B01F13/10C2 B01F5/14 B01F7/00B16F3B B01F7/04 L01F7/00B16B5A L01F7/00C4B

US class: 366/162.2 366/312 418/169 62/342

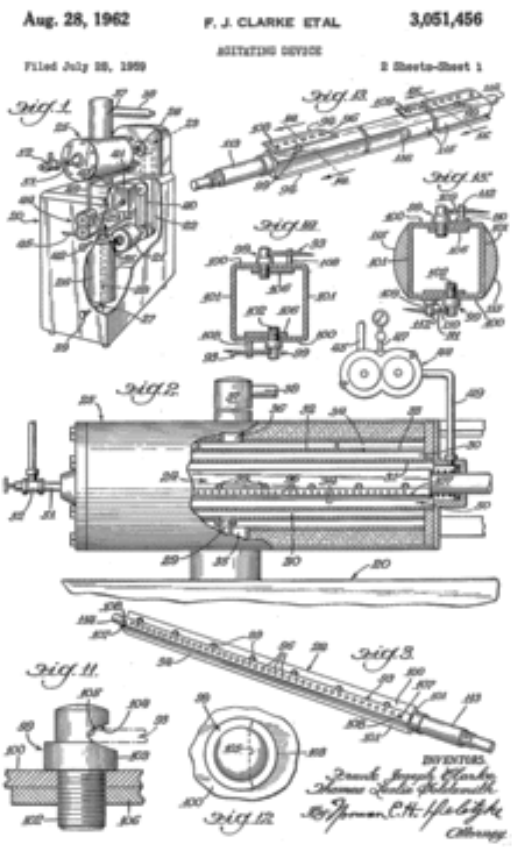
Classification Explorer

Cited documents: US2810557 A, US2576995 A, US2538716 A, US2526367 A, US2425671 A, US2306602 A, US2282298 A, US2278340 A, US2211387 A, US2063065 A, US1907486 A,

Forward Citations: US4566287, US3902704, US3389567, US3330127, US3190082, US3166443,

Abstract:
Source: US3051456A (Claim 1) An agitator and scraper blade supporting device adapted to be mounted coaxially within an elongated and cylindrical product processing cylinder having a product inlet end and a product outlet end, comprising, an elongated and imperforate shaft means having at the product inlet portion thereof a substantially square cross section extending lengthwise thereof throughout approximately 25 one–half of the length of said shaft means and having on that portion an outer surface comprised of four longitudinally extending straight and flat major surfaces of substantially equal width and of substantially equal length and having throughout the remaining portion of the length 30 of said shaft means at the outlet portion thereof a pair of substantially equal length and substantially equal width and parallel and opposed major flat surfaces which extend longitudinally of said shaft and which are joined along their juxtaposed edges by two outwardly convex 35 and opposed and uniformly curved major surfaces of equal length and of equal width and uniformly spaced from the longitudinally extending central axis of said shaft means, said curved major surfaces each having a radius equal to the radial spacing af the edges of said –0 pair of parallel and opposed flat surfaces.

PatBase - US3051456_A



0) CH338987A – INDICATEUR ENREGISTREUR DE CONTROLE HORAIRE ET ...

77) Family number: 38861068 (CH338987A) © PatBase

Title: INDICATEUR ENREGISTREUR DE CONTROLE HORAIRE ET TACHYMETRIQUE DE LA MARCHE DE VEHICULES AUTOMOBILES INDICATOR RECORDER AND TIME CONTROL TACHOMETRIC WALKING OF MOTOR VEHICLES (Machine translation)

Priority: 19570625

Family:

Publication number	Publication date	Application number	Application date
CH338987 A	19590615		00000000

Probable Assignee: JAEGER ED ETS

Assignee(s):(std)**:** JAEGER ED ETS ; JAEGER ETS ED

Assignee(s): ED JAEGER ETS ; ETABLISSEMENTS ED JAEGER

Inventor(s):(std)**:** ERNEST RENE FAUVELOT PIERRE

Inventor(s): RENE FAUVELOT PIERRE ERNEST

International class(IPC 8–9)**:** G07C5/12 (Advanced/Invention); G07C5/00 (Core/Invention)

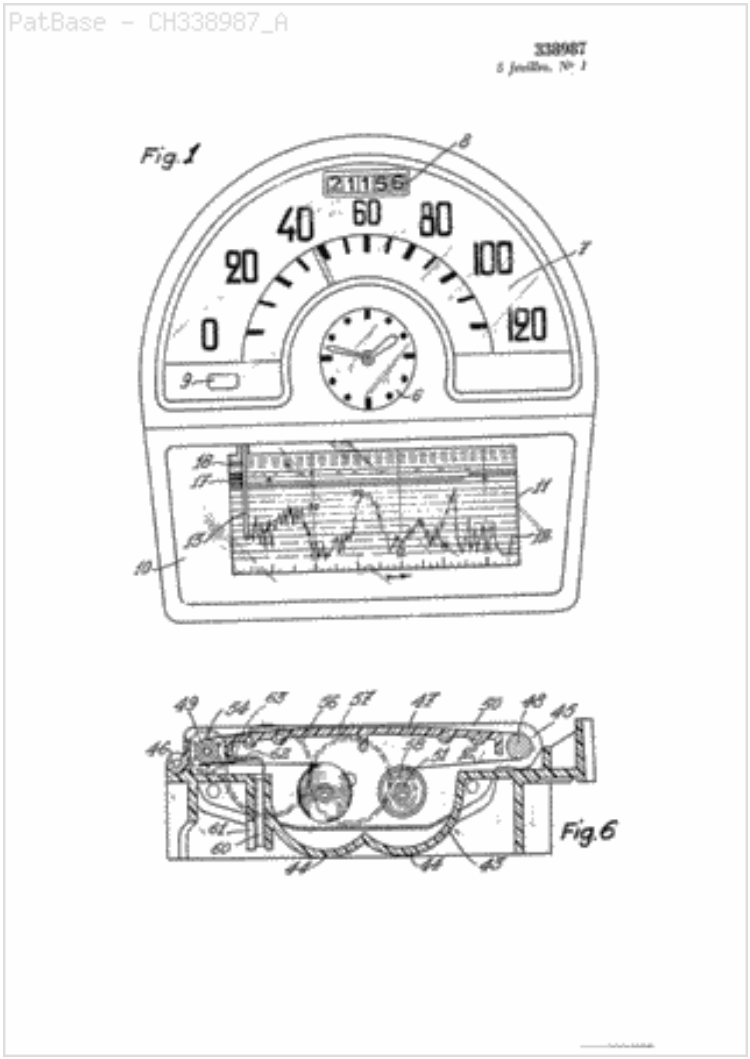
CPC: G07C5/12

European class: G07C5/12

Classification Explorer

Abstract:
Source: CH338987A (Claim 1) 1. Appareil selon la revendication, caracterise par le fait qu'un voyant, s'allumant lors du depassement d'une vitesse predeterminee et reglable, est prevu dans la face de l'appareil.

Machine translation: (Claim 1) 1. Apparatus according to claim, characterized in that a light, lighting on exceeding a predetermined speed and adjustable, is provided in the front of the unit.



0) US2014347491A – SMART WATCH AND FOOD–IMAGING MEMBER FOR MONITOR...

78) Family number: 57878976 (US2014347491A) © PatBase

Title: SMART WATCH AND FOOD–IMAGING MEMBER FOR MONITORING FOOD CONSUMPTION

Priority: US20130071112 20131104 US20130132292 20131218 US20130901099 20130523 US20130901131 20130523 US20140449387 20140801 US20140944090P 20140225 US20150245311P 20151023 US20140948124P 20140305 US20150100217P 20150106 US20150106856P 20150123 US20150111163P 20150203 US20150113423P 20150207 US20150115691P 20150213 US20150202385P 20150807 US20150951475 20151124 US20150623337 20150216 US20150948308 20151121 US20160004427 20160122 US20160206215 20160708 US20160349277P 20160613 US20160212235 20160717 US20160275876P 20160107 US20160316798P 20160401 US20160351447P 20160617 US20160354385P 20160624 US20160294746 20161016

Family:

Publication number	Publication date	Application number	Application date
US2014347491 AA	20141127	US20130901099	20130523
US2014349257 AA	20141127	US20130901131	20130523
US2016073886 AA	20160317	US20150951475	20151124
US2016112684 AA	20160421	US20150948308	20151121
US2016140870 AA	20160519	US20160004427	20160122
US2016317060 AA	20161103	US20160206215	20160708
US2016349790 AA	20161201	US20160212235	20160717
US2017027511 AA	20170202	US20160294746	20161016
US9254099 BB	20160209	US20130901099	20130523
US9536449 BB	20170103	US20130901131	20130523

Probable Assignee: MEDIBOTICS LLC

Assignee(s):(std)**:** CONNOR ROBERT A ; MEDIBOTICS LLC

Inventor(s):(std)**:** CONNOR ROBERT A

International class (IPC 8–9)**:** A41B7/00 A41D27/10 A44C5/00 A44C9/00 A47G21/02 A61B5/00 A61B5/053 A61B5/11 A61B5/145 A61B5/1455 A61B5/1477 G01B11/25 G01J3/02 G01J3/28 G01N21/25 G01N21/27 G01N33/02 G06F1/16 G06F17/00 G06F19/00 G06K9/00 G06K9/22 G06T7/00 G09B19/00 G09B5/02 H04N7/18 (Advanced/Invention); A61B5/0205 G06F1/16 (Advanced/Non–invention)

CPC: A61B5/0205 G06F19/3475 G01N33/02 G01J3/28 G01J3/0202 G01J3/0272 G06K9/228 G06T7/0004 G06K2209/17 G06T2207/30128 A61B5/6887 A61B2560/0214 A61B2576/00 G01N21/27 G01B11/25 G01N21/255 G09B5/02 G01N2201/06113 G01N2201/02 G09B19/0092 A47G21/02 G06K9/00771 G06F1/1637 G06F1/1694 G06F3/014 G06F3/017 A61B5/0531 A61B5/681 A61B5/6826 A61B5/4866 A61B5/4875 A61B5/14532 A61B5/14551 A61B5/0537 A61B5/1477 A41D27/10 A41B7/00 A44C5/0023 A44C9/0053 A61B5/6831 A61B5/6838 A41D2300/326 A61B2562/046 G01N27/02 G06F1/163 A61B5/6824

US class: 1/1 348/158 356/402 356/51 356/72 361/679.03 434/127 600/407 600/475 600/477 600/547

Classification Explorer

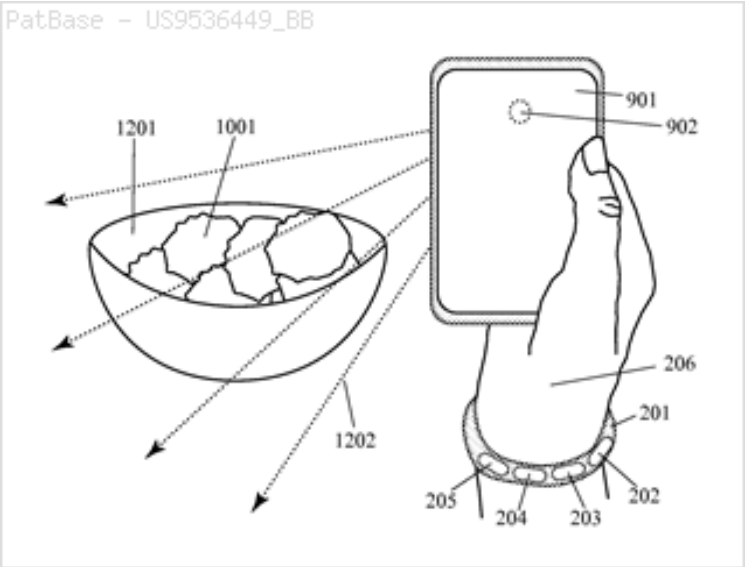
Cited documents: WO9728738, WO12170584, WO10070645, WO05029242, WO03032629, US8605952 BB, US8603186 BB, US8600928 BB, US8595023 BB, US8587670 BB, US8585771 BB, US8583402 BB, US8571880 BB, US8486153 BB, US8483830 BB, US8478606 BB, US8478398 BB, US8475370 BB, US8475368 BB, US8475367 BA, US8467869 BB, US8465447 BB, US8463577 BB, US8463576 BB, US8463573 BB, US8449560 BB, US8447404 BB, US8447403 BB, US8446275 BB, US8439683 BB, US8438163 BA, US8438038 BB, US8437980 BB, US8437823 BB, US8425415 BB, US8423380 BA, US8423378 BA, US8423113 BB, US8421634 BB, US8421620 BB, US8419268 BB, US8417312 BB, US8417298 BB, US8416102 BB, US8409118 BB, US8408436 BB, US8403845 BB, US8398546 BB, US8396672 BB, US8392125 BB, US8392124 BB, US8392123 BB, US8386185 BB, US8386008 BB, US8382681 BB, US8382482 BB, US8379488 BA, US8378811 BB, US8370549 BB, US8370176 BB, US8369936 BB, US8369919 BB, US8364250 BB, US8363913 BB, US8355875 BB, US8352211 BB,

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Forward Citations: WO16209368, WO16167918, WO16142706, US9582977, US9582035, US9560926, US9554738, US9541955, US9504789, US9491562, US9486580, US9483619, US9483123, US9459203, US9459202, US9459201, US9453794, US9448165, US9448164, US9442065, US9395754, US9372535, US9329694, US9317882, US9299248, US9233204, US9198621, US9198605, US9171343, US9146147, US2016300508, US2016049073, US2016038082, US2016022209, US2015355718, US2015318020, US2015309535, US2015302160, US2015301606, US2015294450, US2015287412, US2015179086, US2015143702, US2015121254, US2015109723, US2015072731, US2015070270, US2014251005, US2014169400, US2013083064, US2010240962, US2009012433, GB2537754, GB2537644,

Abstract:
Source: US2014347491A This invention is a device and system for monitoring a person's food consumption comprising: a wearable sensor that automatically collects data to detect probable eating events; an imaging member that is used by the person to take pictures of food wherein the person is prompted to take pictures of food when an eating event is detected by the wearable sensor; and a data analysis component that analyzes these food pictures to estimate the types and amounts of foods, ingredients, nutrients, and/or calories that are consumed by the person. In an example, the wearable sensor can be part of a smart watch or smart bracelet. In an example, the imaging member can be part of a smart phone. The integrated operation of the wearable sensor and the imaging member disclosed in this invention offers accurate measurement of food consumption with low intrusion into the person's privacy.



0) US4264057A – PROCESS AND DEVICE FOR INCREASING THE USEFUL LI...

79) Family number: 1689878 (US4264057A) © PatBase

Title: Process and device for increasing the useful life of gas scavenging lances with porous graphite flush heads

Priority: DE19782827403 19780622

Family:

Publication number	Publication date	Application number	Application date
AT377208 B	19850225	AT19790003884	19790528
AT388479 A	19840715	AT19790003884	19790528
DE2827403 B1	19790802	DE19782827403	19780622
DE2827403 C2	19800403	DE19782827403	19780622
EP0006453 A1	19800109	EP19790101605	19790525
EP0006453 B1	19810603	EP19790101605	19790525
ES481712 A1	19800216	ES19790481712	19790620
JP55002798 A2	19800110	JP19790072450	19790611
US4264057 A	19810428	US19790046780	19790608
ZA7903085 A	19800827	ZA19790003085	19790621

Probable Assignee: MESSER GRIESHEIM GMBH

Assignee(s):(std)**:** MESSER GRIESHEIM GMBH

Assignee(s): MESSER GRIESHEIM GMBH 6000 FRANKFURT ; MESSER GRIESHEIM

Inventor(s):(std)**:** BUCKER WERNER DR ; BUECKER W ; BUECKER WERNER ; BUECKER WERNER DR ; BUERUNAA BIYUTSUKAA

Designated states: BE CH FR GB IT NL

International class (IPC 8–9)**:** B22D1/00 C21C7/072 C22B21/06 C22B9/05 F27D1/16 F27D3/16 (Advanced/Invention); F27D25/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** B22D1/00 C21B7/10 C21C1/00 C21C7/072 C22B21/06 C22B9/05 C22B9/12 F27D3/16

CPC: B22D1/005 C22B9/05 F27D1/1678 F27D3/16 F27D25/00 F27D2003/168

European class: B22D1/00G1 C22B9/05 F27D1/16P F27D3/16 R27D25/00 R27D3/16E

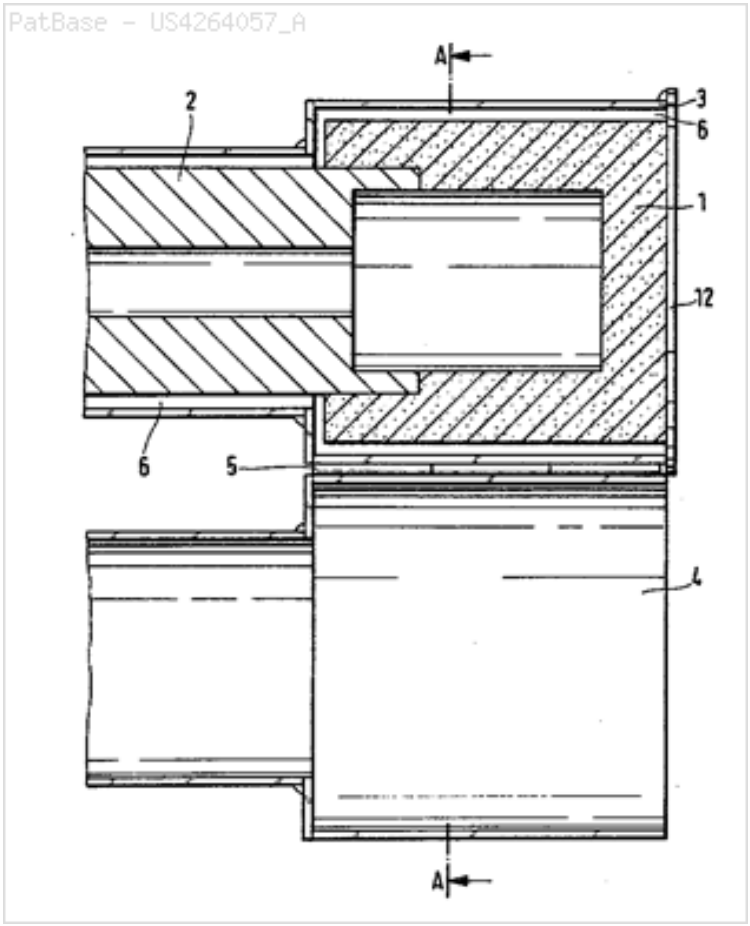
US class: 266/46

Classification Explorer

Cited documents: US3932172 A, US3521874 A, US3503597 A, US3330645 A, US3304173 A, US3269829 A, US3112194 A, LU33708 A, FR2263308 A1,

Forward Citations: WO0022179,

Abstract:
Source: US4264057A The useful life is increased of gas scavenging lances having porous graphite flush heads for non−ferrous metal melts by flowing an inert gas, immediately after scavenging, through the lance in a de−energizing cage which surrounds the graphite parts of the lance while forming a narrow gap therewith until a temperature below the ignition temperature of graphite is obtained.



0) US2016135982A – GRAVITY INDEPENDENT MEDICAL DRAINAGE SYSTEMS

80) Family number: 62400162 (US2016135982A) © PatBase

Title:	GRAVITY INDEPENDENT MEDICAL DRAINAGE SYSTEMS
Priority:	US20140079462P 20141113 US20150940589 20151113

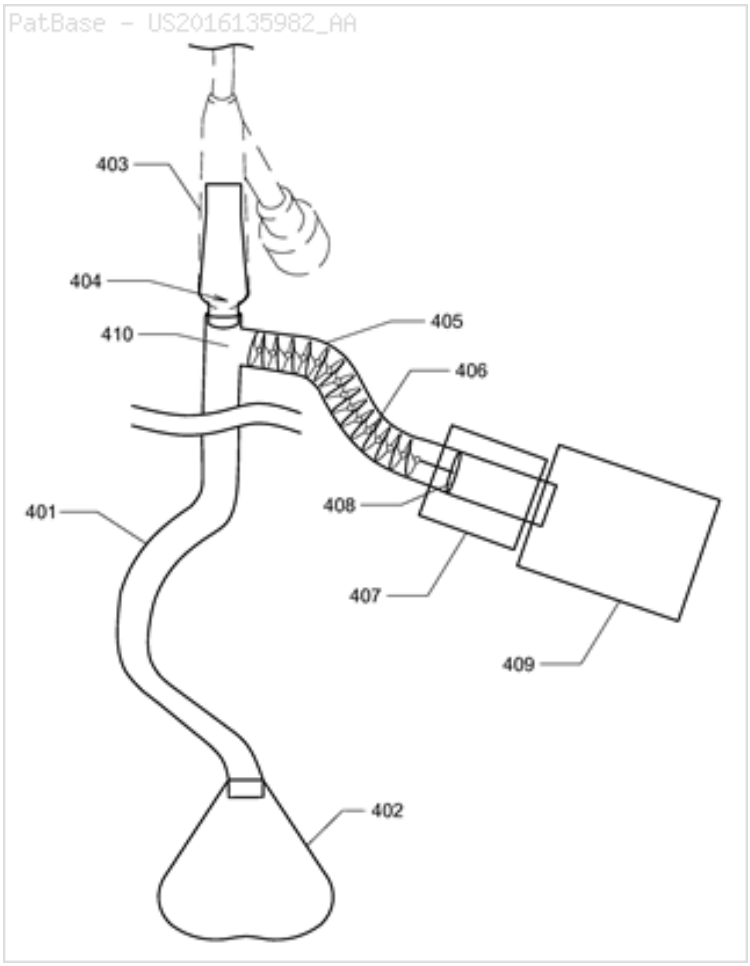
Family:

Publication number	Publication date	Application number	Application date
US2016135982 AA	20160519	US20150940589	20151113

Probable Assignee:	GARCIA MAURICE MARCEL
Assignee(s):(std):	GARCIA MAURICE MARCEL
Inventor(s):(std):	GARCIA MAURICE MARCEL
International class (IPC 8–9):	A61B5/20 A61F5/44 A61M27/00 (Advanced/Invention)
CPC:	A61F5/4404 A61M2206/16 A61M1/0023 A61M1/0066 A61M2205/3334 A61M2210/101 A61M27/00
US class:	600/581 604/327

Classification Explorer

Abstract:
Source: US2016135982A Provided herein are medical drainage systems comprising structures to prevent blockages within drainage tubing, especially medical drainage tubing, for example caused by debris or airlocks. The novel systems of the invention employ, in some embodiments, elements of the Archimedian screw. The Archimedian screw elements comprise a rotating conveyer present in the tubing which promotes continuous flow of material through the tubing and prevents the formation of dependent loops and other blockages. The systems of the invention may be employed in diverse contexts, including urinary catheter drainage systems and thoracostamy systems. The systems of the invention, being gravity independent, may also be employed for the drainage or a movement of materials in space and other low gravity environments.



0) GB375789A – IMPROVEMENTS IN ROTARY MACHINES

81) Family number: 29636891 (GB375789A)

© PatBase

Title: Improvements in rotary machines

Priority: GB19310009500 19310328

Family:

Publication number	Publication date	Application number	Application date
GB375789 A	19320628	GB19310009500	19310328

Probable Assignee: JOSEPH FRANK JAWOROWSKI

Assignee(s):(std): JOSEPH FRANK JAWOROWSKI

International class (IPC 8–9): F04C14/00 F04C18/352 (Advanced/Invention); F04C2/352 (Advanced/Non–invention); F04C14/00 (Core/Invention)

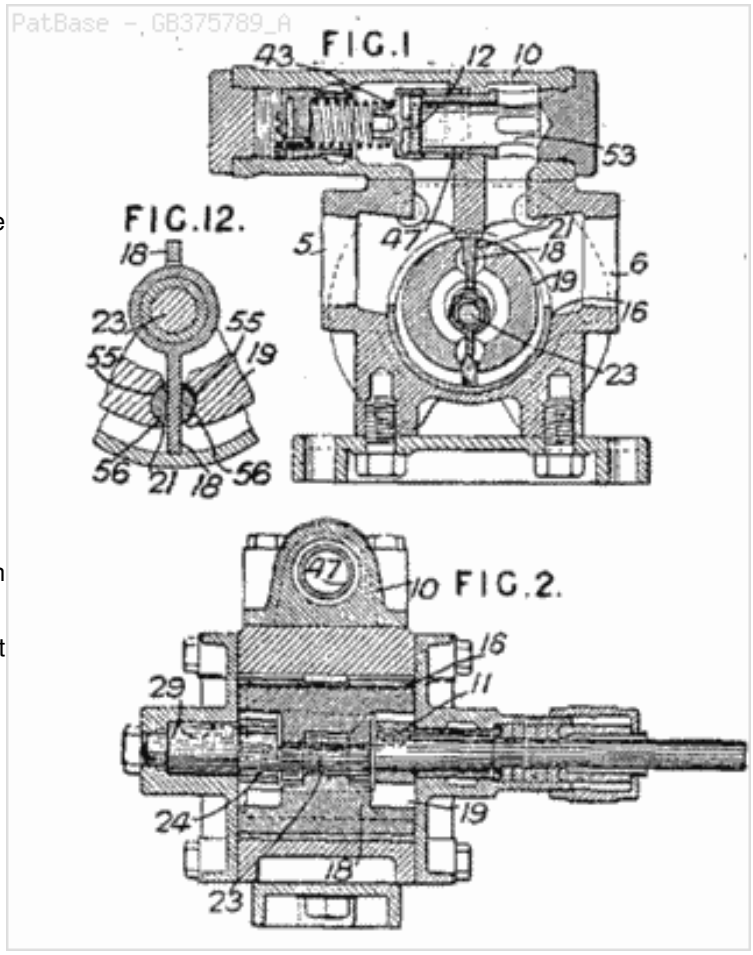
CPC: F04C2/352 F04C14/00 F04C18/352

European class: 59E9C3B1B F04C14/00 F04C15/04 F04C18/352 R04C2/352

Classification Explorer

Forward Citations: US4402655, US3086476,

Abstract:
Source: GB375789A 375,789. Rotary pumps and compressors. JAWOROWSKI, J. F., 617, Brotherhood Locomotive Engineers Building, Cleveland, Ohio, U.S.A. March 28, 1931, No. 9500. [Class 110 (ii).] In a rotary pump or compressor of the kind comprising vanes 18 rotated within a cylindrical casing 16 by a cylindrical rotor 19 eccentrically mounted in the casing, a byepass valve 12, permitting, when open, direct communication between the pressure and suction sides of the machine, is arranged in a detachable head 10, and the rotor 19 is detachably secured at one end by a key 11 to the driving shaft 24 and is mounted at the other end on a fixed shaft 29 secured to the end wall of the casing and having an eccentric extension 23 serving as an axle for the vanes. The valve 12 is acted upon by a spring 43 and normally closes the end of a tube 47 formed with slots 53 communicating with the discharge chamber 6 of the machine; in the event of undue pressure being built up in the outlet 6, the valve 12 opens automatically to establish a direct byepass connection between the discharge chamber 6 and the inlet chamber 5. The head 10 is reversible, end for end, so that the machine may be operated in either direction. The vanes 18 may be mounted either directly in longitudinal slots 21, Fig. 1, in the rotor, or, as shown in Fig. 12, there may be provided semi–cylindrical bearing–blocks 56 engaging recesses 55 in opposite sides of the slots 21. Any desired number of vanes may be provided and in the case where three or more are employed, the axle 23 may be separate from the fixed shaft 29, thus constituting a " floating " connection for the vanes. The machinemay be used as a meter for measuring the flow of liquids or gases, the shaft 24 being, in this case, driven by the rotor to operate a counter or the like.



- **search:** SS8 ft=(flow meter* or water meter*) and lock* and theft (Results 52)

- List: SS8 1−50 (ft=(flow meter* or water meter*) and lock* and theft) (Results 52)

0) US2006202853A – WATER UTILITY METER TRANSCEIVER

1) Family number: 33344233 (US2006202853A) © PatBase

Title: WATER UTILITY METER TRANSCEIVER

Priority: US20050072357 20050304

Family:

Publication number	Publication date	Application number	Application date
US2006202853 AA	20060914	US20050072357	20050304
US7443313 BB	20081028	US20050072357	20050304

Probable Assignee: LANDIS AND GYR TECHNOLOGIES LLC

Assignee(s):(std): HUNT TECHNOLOGIES INC ; STATSIGNAL SYSTEMS INC

Assignee(s): HUNT TECHNOLOGIES LLC ; LANDIS AND GYR TECHNOLOGIES LLC

Inventor(s):(std): HEITERT DAVID L ; DAVIS JAMES S

Inventor(s): DAVIS JAMES ; HEITERT DAVID

Agent(s): THOMAS KAYDEN HORSTEMEYER AND RISLEY LLP

International class (IPC 8–9): G08B23/00 G08C15/06 (Advanced/Invention); G08B23/00 G08C15/00 (Core/Invention)

CPC: H04Q2209/40 H04Q2209/60 H04Q2209/823 H04Q2209/883 H04Q9/00 G08B13/149

European class: G08B13/14P H04Q9/00

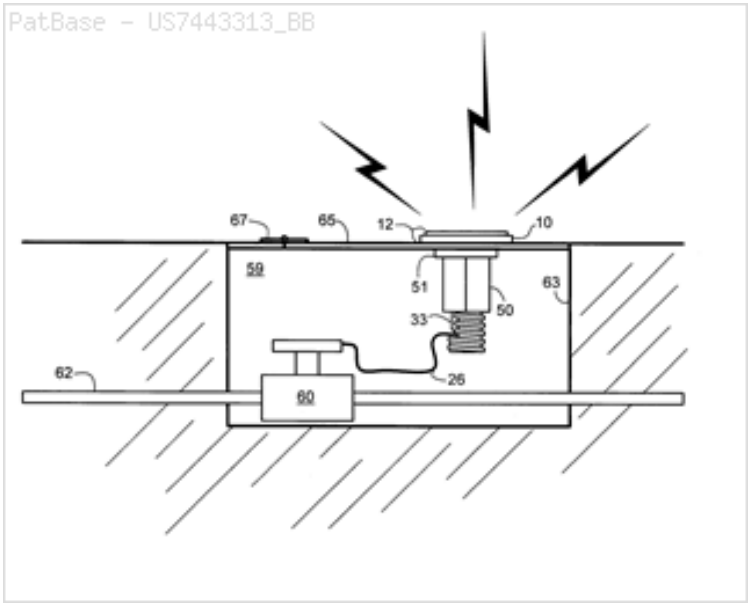
US class: 340/539.26 340/870.01 340/870.02 340/870.07 340/870.2 73/201

Classification Explorer

Cited documents: US7061924 BA, US6954144 BA, US2005122094 AA, US2004129312 AA,

Forward Citations: US9590698, US9590413, US9565620, US9551504, US9503157, US9494249, US9461707, US9410833, US9407325, US9360871, US9310439, US9310094, US9306736, US9306624, US9285802, US9276634, US9267978, US9214985, US9202362, US9194894, US9178565, US9170127, US9140728, US9121407, US9106365, US9106317, US9094153, US9088404, US9049103, US9037305, US9034105, US9019121, US9009467, US8964338, US8958487, US8931505, US8875003, US8866634, US8855569, US8848521, US8842563, US8833390, US8823509, US8811529, US8762820, US8750395, US8737555, US8731076, US8711995, US8693605, US8693580, US8690117, US8681619, US8675779, US8666355, US8660134, US8619846, US8549131, US8519321, US8489342, US8407333, US8140667, US8127628, US7792946, US7783738, US7752309, US7719432, US2015122959, US2011218686, US2011176598, US2010201514, US2010200735, US2010200732, US2010199747, US2009319853, US2009287838, US2009181168, KR101140815,

Abstract:
Source: US2006202853A A water meter transceiver coupled to a water meter has a head portion that houses a processor having a transceiver. The transceiver transmits water utility consumption data received from the water meter. A stem is coupled to the head portion and has a hollowed portion for containing a power source that is coupled to the processor. The stem may include threads to receive a nut that positions the head portion to a lid of a water meter container. The stem may include a switch that is coupled to the processor and configured to activate when the nut is coupled to the stem. If the nut is removed without authorization, the switch reports such, thereby causing the processor to execute a predetermined action, such as communicating an alert or disabling the water meter so as to prevent theft of the water utility.



0) US2002099567A – APPARATUS AND METHOD FOR PROVIDING SHIPMENT INF...

2) Family number: 30116652 (US2002099567A) © PatBase

Title: APPARATUS AND METHOD FOR PROVIDING SHIPMENT INFORMATION

Priority:

US19930073755	19930608	US19950489238	19950612	US19960587628	19960117
US20000551365	20000417	US19990277935	19990329	US19960683828	19960718
US19960622749	19960327	US20000187735P	20000308	US20000190379P	20000317
US20030420795	20030423	US20040781751	20040220	US20020283644	20021030
US20020263554	20021003	US20020244334	20020916	US20050180822	20050713
US20010933105	20010820	US20020055116	20020122	US20010263877P	20010123
US20030420799	20030423	US20020377134P	20020501	US20030441482P	20030122
US20080150363	20080428	US20080317504	20081224	US20060405146	20060417

Family:

Publication number	Publication date	Application number	Application date
US2002099567 AA	20020725	US20020055116	20020122
US2002121969 AA	20020905	US20010933105	20010820
US2003016130 AA	20030123	US20020244334	20020916
US2003067541 AA	20030410	US20020263554	20021003
US2003071899 AA	20030417	US20020283644	20021030
US2003193404 AA	20031016	US20030420795	20030423
US2003206102 AA	20031106	US20030420799	20030423
US2004160319 AA	20040819	US20040781751	20040220
US2005248444 AA	20051110	US20050180822	20050713
US2006247986 AA	20061102	US20060405146	20060417
US2008234878 AA	20080925	US20080150363	20080428
US2009146805 AA	20090611	US20080317504	20081224
US5513244 A	19960430	US19950489238	19950612
US5917405 A	19990629	US19960683828	19960718
US6542076 BA	20030401	US20000551365	20000417
US6542077 BB	20030401	US20010933105	20010820
US6549130 BA	20030415	US19990277935	19990329
US6587046 BB	20030701	US20020283644	20021030
US7253731 BB	20070807	US20020055116	20020122
US7277010 BB	20071002	US20020263554	20021003
US7397363 BB	20080708	US20020244334	20020916
US7397363 C1	20150902	US20020244334	20020916
US7482920 BB	20090127	US20060405146	20060417

Probable Assignee: GTJ VENTURES LLC

Assignee(s):(std)**:** JOAO RAYMOND A ; JOAO RAYMOND ANTHONY

Assignee(s): JOAO RAYMOND ANTHONY MR ; JOAO RAYMOND D ; SMARTVUE CORP ; GARBEN THOMAS ; GTJ VENTURES LLC ; JOAO CONTROL AND MONITORING SYSTEMS LLC ; JOAO CONTROLS LLC

Inventor(s):(std)**:** GARBEN THOMAS ; JOAO RAYMOND A ; JOAO RAYMOND D ; JOAO RAYMOND ANTHONY

Inventor(s): JOAO RAYMOND

Agent(s): RAYMOND A JOAO ESQ; RAYMOND A; JOAO ESQ RAYMOND A

International class (IPC 8–9)**:** B60R25/00 B60R25/04 B60R25/10 B60W10/00 B64D45/00 G06F13/42 G06F17/00 G06Q10/00 G06Q10/08 G06Q99/00 G08B1/08 (Advanced/Invention); B60R25/04 B60R25/10 (Advanced/Non–invention); B60R25/04 B60R25/10 B64D45/00 G06Q10/00 G06Q99/00 G08B1/00 (Core/Invention)

International class (IPC 1–7)**:** B60Q1/00 B60R25/10 G06F17/60 G08B1/08 G08C19/00 H04M11/00 H04N7/18

CPC: B60R2025/041 B60R25/24 B60L2240/622 B60L2240/70 B60L2250/10 B60L2270/00 Y02T90/16 Y02T90/162 B60L2200/26 Y02T10/7291 B60R25/25 B60R2025/1016 G08B19/00 B60R25/102 B60R25/018 B60R25/252 B60R2025/1013 G08G1/20 G01S13/84 G06Q10/08 G06Q10/087 G08B1/08 G08G1/202 G08G1/205 H04W4/02 H04W4/021 G08B26/00 B60R25/042 B60R25/045 B60R25/1003 B60R25/104 B60R25/2018 B60R25/257 B60R25/305 B60R25/33 B60R2325/101 B60R2325/205 G08B29/00 B60R2325/302 B60R2325/304 B60W2550/402 B64D45/0015 B64D2045/0055

European class: B60R25/01M B60R25/042 B60R25/045 B60R25/102 B60R25/104 B60R25/10B B60R25/20D B60R25/25 B60R25/25B B60R25/25F B60R25/30D B60R25/33 B64D45/00H G06F17/60C5 G06Q10/08 G06Q10/087 L60R25/04C L60R25/10D L60R325/10B L60R325/20D L60R325/30B L60R325/30D L60W550/40A L64D45/00H5

US class: 307/10.2 340/12.22 340/12.220P 340/13.24 340/13.240S 340/3.9 340/3.900S 340/425.5 340/425.500P 340/425.500S 340/426 340/426.1 340/426.100S 340/426.11 340/426.13 340/426.130P 340/426.130S 340/426.16 340/426.17 340/426.18 340/428 340/5.61 340/5.72 340/5.720S 340/539 340/539.1 340/539.100P 340/539.100S 340/539.11 340/539.110S 340/539.13 340/539.130P 340/539.14 340/539.25 340/540 340/568.1 340/572.1 340/6.11 340/6.110S 340/825 340/825.32 340/825.69 340/825.71 340/825.72 340/825S 340/937 342/457 348/148 348/148P 379/39 379/44 379/57 379/58 455/404 455/404.1 455/41.2 455/41.200S 455/420 701/2 701/2P 701/36 701/48 701/48S 705/1 705/28 705/28P

Classification Explorer

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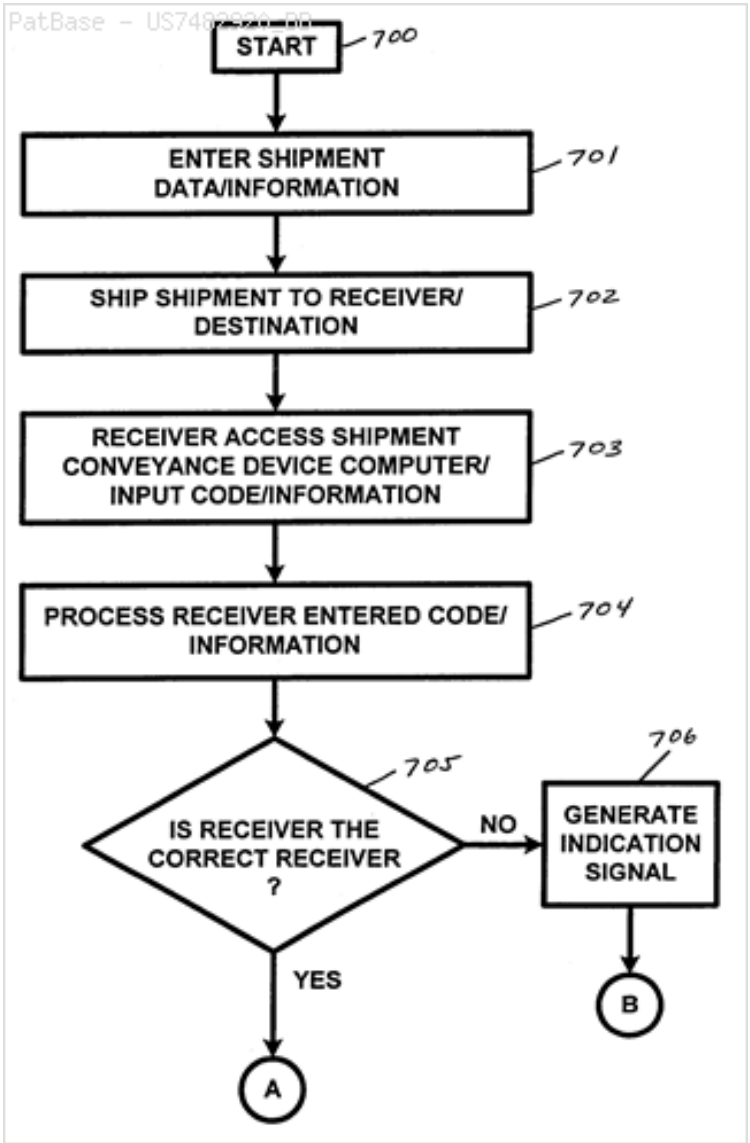
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Abstract:
Source: US2002099567A An apparatus and method for providing shipment information, including a memory device for storing shipment information, a processor for processing at least one of a request and a prompt to provide shipment information, wherein the processor processes the information contained in the memory device, and further wherein the processor generates a delivery message, wherein the delivery message contains information regarding at least one of a shipment description, contents of a shipment, a description of a shipment's contents, the value of a shipment, an shipment invoice, a shipment packing slip, and a shipment bill, and an output device for at least one of outputting, displaying, and printing, information contained in the delivery message.



0) US2005222933A – SYSTEM AND METHOD FOR MONITORING AND CONTROL OF...

3) Family number: 30063835 (US2005222933A) © PatBase

Title: SYSTEM AND METHOD FOR MONITORING AND CONTROL OF WIRELESS MODULES LINKED TO ASSETS

Priority:

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US20130797845 20130312	US20140524357 20141027	US20150803539 20150720

Family:

Publication number	Publication date	Application number	Application date
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Inventor(s):(std)**:** WESBY PHILIP BERNARD ; WESBY PHILIP B

Inventor(s): PHILIP BERNARD WESBY ; WESBY PHILIP

Agent(s): ANWALTSKANZLEI MEISSNER AND MEISSNER; ROBSON AIDAN JOHN; BROMBERG AND SUNSTEIN LLP; SUNSTEIN KANN MURPHY AND TIMBERS 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 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

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International class (IPC 1–7): G06F17/60 H04M11/00 H04M11/04

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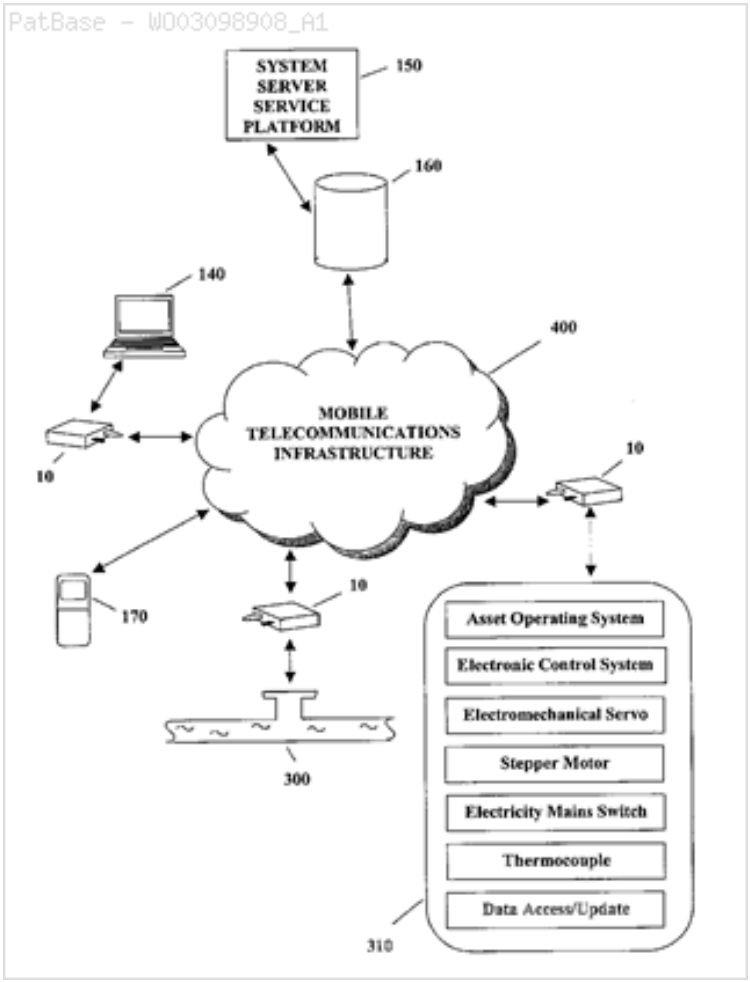
Forward Citations: WO16138875, WO16133658, WO16077509, WO15140801, WO15031772, WO14173648, WO14064708, WO14041351, WO14015141, WO13090465, WO12170506, WO12135424, WO12135424, WO11133558, WO11083361, WO10127291, WO10127291, WO08128337, WO08046099, WO08046099, WO08030770, WO08030770, WO07115794, WO07111655, WO07110467, WO07110464, WO06137901, WO06137901, WO06128785, WO06055411, USD645051, USD642589, USD642194, US9596605, US9596247, US9596220, US9584967, US9582005, US9574894, US9566712, US9565513, US9558745, US9558254, US9552713, US9549153, US9548791, US9544745, US9542687, US9542203, US9515971, US9509674, US9499128, US9499126, US9492624, US9492048, US9491077, US9488947, US9486924, US9485314, US9480381, US9478215, US9478128, US9478121, US9472030, US9467862, US9466198, US9466061, US9464913, US9462479, US9460440, US9459978, US9450995, US9448949, US9448576, US9446521, US9445702, US9444774, US9436931, US9432208, US9430349, US9430348, US9426834, US9424723, US9421324, US9420042, US9412130, US9410833, US9407111, US9406228, US9405714, US9404965, US9401846, US9400981, US9400193, US9392920, US9392401, US9389772, US9388680, US9384491, US9380416, US9373201, US9373118, US9373117, US9369836, US9368872, US9363214, US9361090, US9360300, US9357328, US9355401, US9355232, US9351167, US9350202, US9338309, US9336108, US9333833, US9326129, US9326096, US9325763, US9325517, US9324198, US9320398, US9319471, US9317854, US9317038, US9313798, US9306976, US9294545, US9293041, US9273983, US9268345, US9268320, US9258796, US9256992, US9254363, US9253308, US9251687, US9247389, US9246349, US9232561, US9229454, US9227483, US9226146, US9225679, US9224394, US9224096, US9223749, US9215957, US9213616, US9211381, US9210556, US9208626, US9207675, US9194720, US9189934, US9178652, US9172477, US9167946, US9158829, US9149170, US9148431, US9146881, US9146595, US9144361, US9144360, US9132715, US9131378, US9131344, US9130743, US9129460, US9128486, US9126545, US9125079, US9125041,

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Abstract:
Source: US2005222933A A system and method for remote asset management is described which can provide the basis for a diverse product group including an improved remote location monitoring system, a means for communicating with and for monitoring the status and or location of a plurality of diverse assets, as well as the means for communicating with said assets for the purpose of modifying the operational status of one or more of said assets according to one or more stored data parameters such as location, use, battery power, and such like. The remote asset management system comprise a wireless module, which is associated with at least one of the plurality of assets and which is interfaced with the operating system of said asset and or with an electromechanical control means, which may control one or more features of the operation of said assets. A supporting network−based, or internet−based service platform controls and manages the status of each of the plurality of assets, either automatically, or in response to received messages from fixed or wireless communication devices, and which is capable of selectively communicating data to said assets for changing the operational status of said assets according to pre−programmed conditions.



0) AU2008264146A – SYSTEM AND METHOD FOR IMPROVED ELECTRIC CARS AN...

4) Family number: 43790834 (AU2008264146A) © PatBase

Title: SYSTEM AND METHOD FOR IMPROVED ELECTRIC CARS AND/OR ELECTRIC CAR BATTERIES AND/OR IMPROVED INFRASTRUCTURES FOR RECHARGING ELECTRIC CARS.

Priority:

GB20070025123 20071224	GB20080002261 20080207	GB20080003766 20080229
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GB20080022702 20081215	GB20080023447 20081223	GB20080022512 20081210
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Family:

Publication number	Publication date	Application number	Application date
AU2008264146 AA	20090709	AU20080264146	20081224

Probable Assignee: MAYER YARON MR

Assignee(s):(std)**:** GADASSI HAIM ; MAYER YARON

Assignee(s): MAYER YARON MR ; YARON MAYER ; HAIM GADASSI

Inventor(s):(std)**:** GADASSI HAIM ; MAYER YARON

Inventor(s): YARON MAYER ; HAIM GADASSI

Agent(s): MAYER YARON MR

International class(IPC 8–9)**:** B60L9/00 H01M10/44 H02J15/00 H02J3/28 H02J3/46 H02J7/00 (Advanced/Invention); B60L9/00 H01M10/42 H02J15/00 H02J3/28 H02J3/46 H02J7/00 (Core/Invention)

CPC: Y02T10/7005

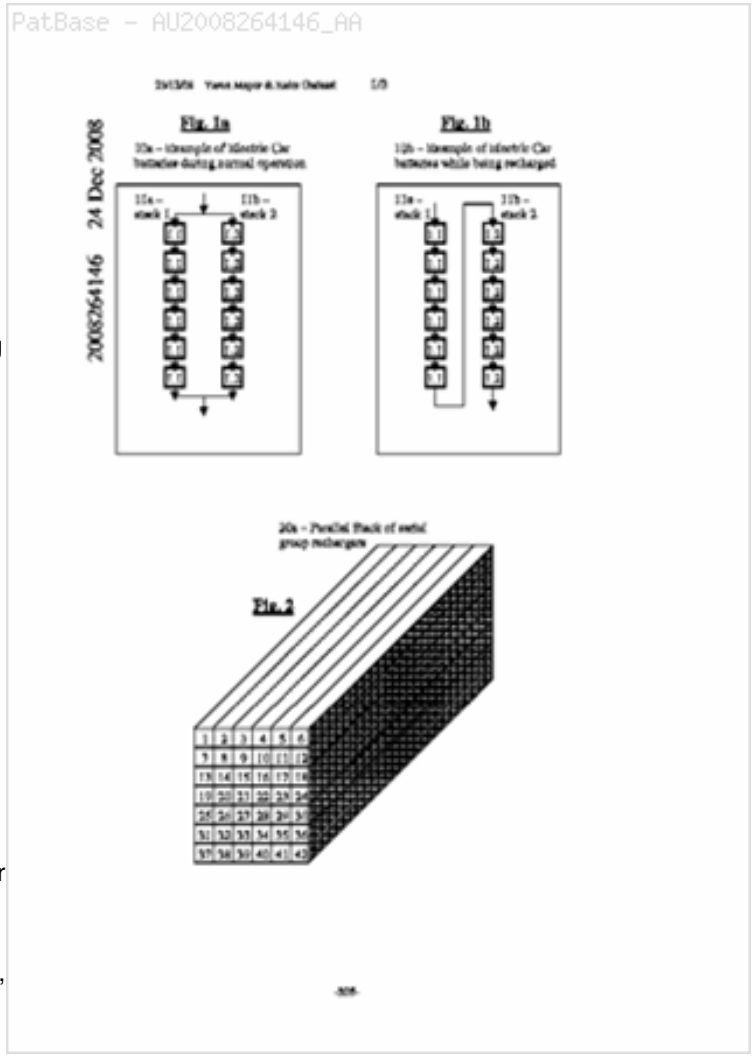
European class: Y02E60/12

Classification Explorer

Forward Citations: US9254787, US9168842, EP2701946, CN102548791, CN102548791,

Abstract:

Source: AU2008264146A 23/12/08 Yaron Mayer and Haim Gadassi 1/1 System and method for improved electric cars and/or electric car batteries and/or improved infrastructures for recharging electric cars. ABSTRACT The present invention enables improved and more efficient recharging of electric cars, preferably by using improved batteries and/or improved recharger arrangements in electric cars and/or in infrastructures that are used for recharging electric cars, and/or other improvements in the infrastructures, while preferably also protecting the electric grid from overload. This is preferably done for example by accumulating energy in service stations for example in special preferably high speed capacitors, such as for example one or more super capacitors, and/or for example one or more molten salt accumulators and/or for example in the new M1 batteries developed by A123 Systems or similar batteries or other fast batteries which can be recharged for example to 80 percent capacity within 5 minutes, or for example the similar fast new batteries by Toshiba or for example the BYD Iron Phosphate batteries or for example the Altair Nanotechnologies Nanosafe battery, so that preferably these accumulators can be used for example to recharge cars with M1 batteries or similar fast−recharge batteries, since otherwise the service station would need to have a huge capacity power supply to enable such fast recharges. Other covered variations include for example efficient methods of recharging the batteries preferably serially, either in the service station (based on a model of fast replacement of batteries at the service station), preferably after automatically sorting the batteries into more or less homogenous groups, or in the car itself for example by automatically rerouting the batteries or some of them or elements in them during recharge so that they are recharged more serially than during the normal operation of the car, thus enabling recharge with less rechargers and/or at higher voltages and with less current and less problems of heat during recharge. Other described improvements include for example a system wherein when recharging the electric cars, for example rechargers and/or for example one or more central computers for example in the electrical grid company and/or in the service provider take into account also car−specific parameters in order to optimize the recharging priorities, for example based on the state of their batteries and/or for example also based on additional parameters and/or heuristics and/or statistics and/or for example automatic repeated identification of cars based for example on a unique preferably digital ID number, so that for example the system can take into account also various regular and/or historical car specific parameters and/or patterns and/or statistics, such as for example typical arrival and departure times, typical distances traveled, specific needs based on week days, etc. Other features include for example a system and method for alerting users when a parking and/or recharging post becomes available and/or reserving them in advance. Other features include for example various improvements in the electric cars themselves. 23/12/08 Yaron Mayer and Haim Gadassi 2/3 Fig. 3 3.1 − Electric Car arrives for recharge service 3.2 − The empty batteries are quickly removed and 4 replaced with recharged batteries 3.3 − The removed empty batteries are quickly examined in order to check if there are batteries which are already at the end of their life or otherwise damaged, and in order to sort them into more or less homogenous groups 3.4 − if the car is not in a battery insurance plan the user has to pay something for the problematic battery or batteries 3.5 − Car leaves 3.6 − The removed empty batteries are automatically sorted into more or less homogenous groups according to various parameters and are moved to the group serial recharger preferably with the help of conveyor belts 3.7 − The empty batteries are recharged preferably at night − preferably serially within each group, and multiple groups are recharged in parallel at the same time 3.8 − When a new set of recharged batteries is requested the system preferably automatically picks up a mix from various groups in order to create a heterogeneous set



5) Family number: 29491989 (US2003158677A) © PatBase

Title: SYSTEM AND METHOD FOR ON–LINE MONITORING AND BILLING OF POWER CONSUMPTION

Priority:

CA20012401579	20010228	CA20012661730	20010228	CA20012818672	20010228
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Family:

Publication number	Publication date	Application number	Application date
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WO07094837 A3	20080502	WO2006US44762	20061115	

Probable Assignee: QUADLOGIC CONTROLS CORP

Assignee(s):(std)**:** LO STANLEY C ; MALIK SIDDHARTH ; NEWSOME MICHAEL ; QUADLOGIC CONTROLS CORP ; QUADLOGIC CONROLS CORP ; SWARZTRAUBER SAYRE A ; SHAFRIR DORON ; SWARZTRAUBER SAYRE ; HAYWARD ROBERT ; JACOBSON ERIC

Assignee(s): LO STANLEY ; SWARZTRAUBER SAYER A

Inventor(s):(std)**:** JACOBSON ERIC ; LO STANLEY C ; NEWSOME MICHAEL ; SHAFRIR DORON ; SWARZTRAUBER SAYRE A ; SWARZTRAUBER SAYRE ; SWARZTRAUBER SAYER A ; SIDDHARTH MALIK ; ROBERT HAYWARD ; MALIK SIDDHARTH ; LO STANLEY ; HAYWARD ROBERT ; DORON SHAFRIR ; SAYRE A SWARZTRAUBER SIDDHARTH MALIK

Inventor(s): SAYRE ASWARZTRAUBER SIDDHARTH MALIK ; ERIC JACOBSON ; JACOBSON ERIC BAYSIDE ; LO STANLEY C FRESH MEADOWS ; NEWSOME MICHAEL NEWPORT ; MICHAEL NEWSOME ; SHAFRIR DORON SUFFREN ; SAYRE A SWARZTRAUBER ; STANLEY C LO ; SWARZTRAUBER SAYRE A NEW YORK ; SHAFRIR DORON SUFFERN ; MALIK SIDDHARTH NEW YORK ; HAYWARD ROBERT BELLEVILLE

Agent(s): OSLER HOSKIN AND HARCOURT LLP; VILLASECA; MARKS AND CLERK LUXEMBOURG LLP; RGC JENKINS AND CO; NAISMITH ROBERT STEWART; DUNLOP HUGH CHRISTOPHER ET AL; DUNLOP HUGH CHRISTOPHER; VALLEJO JUAN PEDRO; CARPINTERO MARIO; REINHOLD COHN AND PARTNERS; MORGAN LEWIS AND BOCKIUS LLP; STEVEN D; UNDERWOOD STEVEN D; COWAN LIEBOWITZ AND LATMAN; COWAN LIEBOWITZ AND LATMAN P C; COWAN LIEBOWITZ AND LATMAN 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 YU ZA ZM ZW

International class (IPC 8–9): G01D4/00 G01D4/02 G01R11/00 G01R11/24 G01R11/64 G01R21/00 G01R21/06 G01R21/133 G01R22/00 G01R22/10 G01R35/00 G01R35/04 G06F1/26 G06F11/00 G06F19/00 G08C15/06 H02J1/00 H02J13/00 H02J3/02 H02J4/00 H03L7/06 H04B1/59 H04B3/36 H04B3/54 H04M1/24 H04M11/00 H04M11/06 H04Q9/00 (Advanced/Invention); G01F15/16 G01R15/18 G01R21/00 G01R21/06 G01R22/00 (Advanced/Non–invention); G01D4/00 G01R11/00 G01R21/00 G01R22/00 G01R22/06 G01R35/00 G06F1/26 G06F11/00 G06F19/00 G08C15/00 H02J1/00 H02J13/00 H02J4/00 H03L7/06 H04B3/36 H04B3/54 H04M1/24 H04M11/00 H04M11/06 H04Q9/00 (Core/Invention); G01R21/00 (Core/Non–invention); G06F (Subclass/Invention)

International class (IPC 1–7): G01R21/00 G01R22/00 G06F11/00 G06F19/00 H04M H04M11/00

CPC: Y02B90/245 Y04S20/40 Y02B90/241 Y04S20/32 G06Q30/0283 G06Q50/06 Y02E60/7815 Y04S40/121 Y02B90/247 Y04S20/50 G01D4/002 G01R21/133 G01R22/063 Y02E60/74 Y04S10/30 H04Q2209/25 H04Q2209/60 H04Q2209/826 H04Q2209/30 H04Q2209/845 Y04S50/14 H02J13/002 Y10T307/642 G01D4/004 H04B3/546 H04B2203/5433 H04B2203/5466 Y02B90/242 Y02B90/246 Y04S20/322 Y04S20/42 G01R22/066 G01D4/008 G01R22/00 H04Q9/00

European class: G01D4/00R G01D4/00R1 G01D4/00S G01R11/24 G01R21/133 G01R22/00 G01R22/06D1 G01R22/06D3 G06Q30/0283 G06Q50/06 H02J13/00F4B2 H04B3/54C H04Q9/00 S01R22/06D1 T04B203/54P2 T04B203/54S2 Y02B90/24B2 Y02B90/24F Y02B90/24H Y02E60/78B2 Y04S20/30 Y04S20/32B Y04S20/42 Y04S20/50 Y04S40/12B

US class: 307/3 307/69 307/69P 324/110 324/500 324/509 327/159 327/159P 327/159S 340/565 340/870.01 340/870.02 340/870.020 340/870.020P 340/870.020S 340/870.07 340/870.070 340/870.070P 340/870.11 340/870.16 361/42 369/47.5 369/47.52 379/106.01 379/106.03 379/106.04 439/508 439/517 700/295 700/295P 702/116 702/121 702/122 702/127 702/127S 702/187 702/187S 702/188 702/188P 702/189 702/57 702/60 702/61 702/62 702/62P 702/64 702/64P 702/80 705/400 705/63

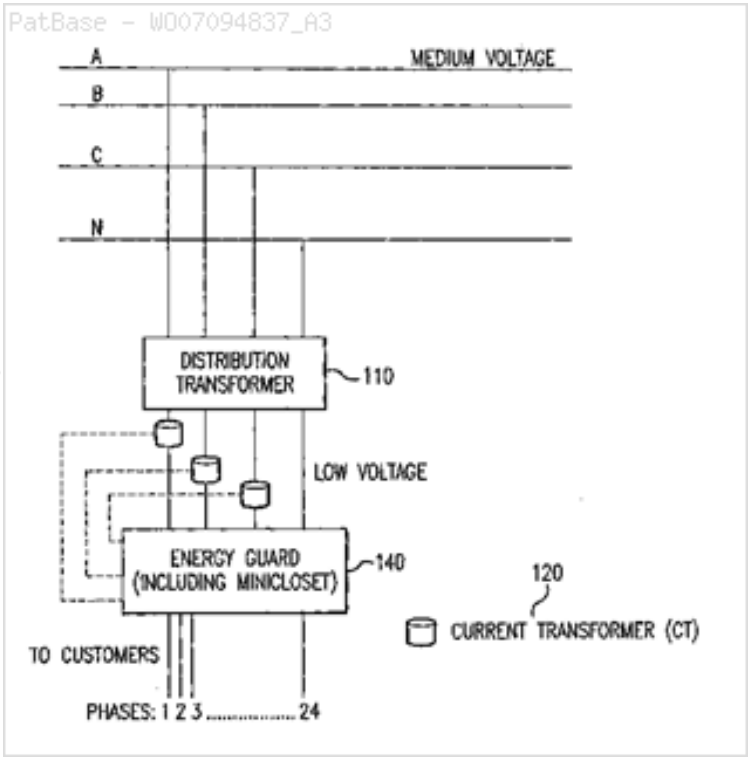
Classification Explorer

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Forward Citations: WO16054555, WO16016827, WO14099148, WO14077665, WO13063669, WO13057081, WO12170629, WO12142682, WO12088574, WO12079151, WO12045357, WO12033733, WO10082808, WO10082808, WO10065591, WO09126811, WO09059386, WO09052361, WO07131169, WO07094837, WO07094837, WO07063181, US9590343, US9582020, US9575475, US9568910, US9568507, US9563218, US9553453, US9519559, US9461700, US9448086, US9429927, US9418045, US9410833, US9407326, US9397457, US9390388, US9379907, US9367075, US9354641, US9348392, US9325174, US9318289, US9286582, US9258952, US9258627, US9255949, US9250275, US9213050, US9207735, US9196009, US9189822, US9129517, US9122618, US9100420, US9082291, US9081043, US9069338, US9031874, US9030334, US9030302, US8989243, US8897923, US8866634, US8860369, US8823534, US8793029, US8788097, US8731724, US8690117, US8682604, US8681015, US8626462, US8623200, US8619846, US8610317, US8600556, US8587290, US8577510, US8571118, US8570023, US8532839, US8532808, US8528345, US8489342, US8461823, US8452555, US8442917, US8437883, US8436718, US8417471, US8368351, US8368349, US8333316, US8325728, US8280656, US8243423, US8239073, US8234017, US8195337, US8183988, US8172147, US8159210, US8143879, US8125751, US8095475, US8090549, US8049488, US8026628, US8014964, US7986246, US7948363, US7940039,

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Abstract:
Source: US2003158677A The present invention comprises systems and methods related to monitoring of energy usage on a power line. In a preferred embodiment, this system comprises (a) an electronic microprocessor−controlled digital electricity metering device coupled to the power line and comprising a non−volatile non−battery−powered data−storage device, wherein the metering device is capable of interval metering and of receiving a data request and transmitting data in response to the request over the power line; and (b) a data collector (preferably, a transponder) coupled to the metering device via the power line. The data collector is preferably capable of (i) receiving data from and transmitting data to the metering device over the power line, (ii) storing data received from the metering device over the power line, and (iii) receiving data from and transmitting data to a remotely located computer (preferably, a billing computer).



0) US3508625A – VEHICULAR SECURITY BRAKE DEVICE

6) Family number: 924036 (US3508625A) © PatBase

Title: VEHICULAR SECURITY BRAKE DEVICE

Priority: US19660559575 19660622 US19680731476 19680523 US19680733539 19680531

Family:

Publication number	Publication date	Application number	Application date
BE731858 A	19691001		19690422
DE1925966 A1	19691204	DE19691925966	19690521
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DE1925969 B2	19711021	DE19691925969	19690521
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FR2009704 B1	19740614	FR19690012607	19690422
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NL161616 C	19790917	NL19690003750	19690311
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US3532564 A	19701006	US19680733539	19680531
US3532574 A	19701006	US19660559575	19660622

Probable Assignee: BELL TELEPHONE LABOR INC

Assignee(s):(std)**:** BELL TELEPHONE LABOR INC ; COMPAC CORP ; GEN ALARM CORP ; WESTERN ELECTRIC CO

Assignee(s): WESTERN ELECTRIC CO INC ; WESTERN ELECTRIC CO INC NEW YORK ; BELL TELEPHONE LAB INC ; GENERAL ALARM CORP ; WESTERN ELECTRIC

Inventor(s):(std)**:** GITTLER FRANK L ; GITTLER FRANK LUDWIG ; HAWKINS PAUL MADDISON ; DAVIS IRWIN J ; MADDISON HAWKINS PAUL

Inventor(s): LUDWIG GITTLER FRANK ; FRANK LUDWIG GITTLER ; FRANK L GITTLER ; IRWIN J DAVIS ; PAUL MADDISON HAWKINS

International class (IPC 8–9): B60R25/00 C09J7/02 H01L21/225 H01L23/29 (Advanced/Invention)

International class (IPC 1–7): B01J17/00 B01J17/32 B44C1/16 B60R25/00 B60R25/04 B60R25/08 C01G30/00 H01L21/205 H01L21/22 H01L21/225 H01L7/00 H01L7/36 H01L7/44

CPC: Y10S148/043 Y10S428/914 B60R25/007 C09J7/02 H01L21/2255 H01L23/291 H01L2924/0002 Y10T74/20468 Y10T428/14 Y10T70/5642

European class: B60R25/00G2C C09J7/02 H01L21/225A4D H01L23/29C

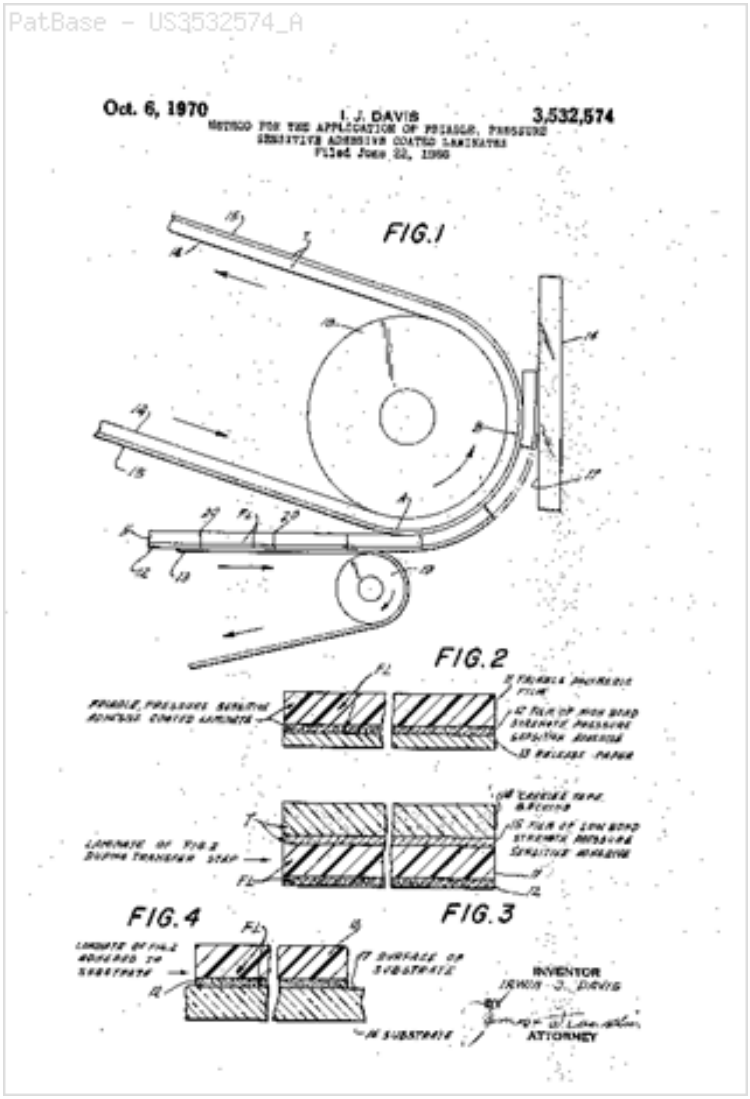
US class: 148/DIG.43 156/238 156/239 156/240 180/114 180/287 257/E21.149 340/471 428/40.1 428/914 438/559 438/563 438/779 438/784 70/181 74/503

Classification Explorer

Cited documents: US3454126 A, US3437533 A, US3405021 A, US3380549 A, US3379604 A, US3215570 A, US3119458 A, US3065170 A, US2968378 A, US2826091 A, US2789667 A, US2584938 A, US2567186 A, US2556078 A, US2553753 A, FR864271 A,

Forward Citations: US7249432, US6748774, US6450587, US6322161, US5887722, US5839304, US5611430, US5344680, US5318660, US5026584, US4615192, US4532826, US4373975, US3996089, US3948696, US3948695, US3907616, US3891481, US3886005, US3731272, US2006117631, US2006060023, US2004069025, GB2262075, DE3931179, DE3921507, DE3049333,

Abstract:
Source: US3508625A ABSTRACT OF THE DISCLOSURE Vehicular security device which is automatically activated and deactivated by the operation of the starting or ignition switch of the vehicle without further action on the part of the operator. To this end a vehicular hand brake actuator is provided for movement between brake actuating and brake deactuating positions and vehicular security locking means are provided for locking the actuator in the brake actuating position. In addition circuit means are provided for automatically operating the vehicular security lock means in response to the condition of the starting or ignition switch of the vehicle.



0) WO07093397A1 – ATTACHMENT SYSTEM SYSTEME DE FIXATION

7) Family number: 32845087 (WO07093397A1) © PatBase

Title: ATTACHMENT SYSTEM

Priority: GB20060002935 20060214 GB20060013909 20060613 WO2007EP01273 20070214

Family:

Publication number	Publication date	Application number	Application date
EP2029901 A1	20090304	EP20070703460	20070214
GB200602935 A0	20060322	GB20060002935	20060214
GB200613909 A0	20060823	GB20060013909	20060613
GB200702834 A0	20070328	GB20070002834	20070214
GB2435082 A1	20070815	GB20070002834	20070214
GB2435082 A8	20070821	GB20070002834	20070214
GB2435082 B2	20090617	GB20070002834	20070214
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WO07093397 A1	20070823	WO2007EP01273	20070214

Probable Assignee: FAROUSE DESIGN LTD

Assignee(s):(std)**:** FAROUSE DESIGN LTD ; FARR PHILIP W ; FARR PHILIP WILLIAM ; FARR PHILLIP WILLIAM ; ROUSE COLIN J ; ROUSE COLIN JOHN

Assignee(s): PHILLIP WILLIAM FARR ; COLIN JOHN ROUSE ; PHILIP WILLIAM FARR

Inventor(s):(std)**:** FARR PHILIP WILLIAM ; ROUSE COLIN JOHN ; FARR PHILLIP WILLIAM

Inventor(s): COLIN JOHN ROUSE ; PHILLIP WILLIAM FARR ; PHILIP WILLIAM FARR

Agent(s): BAWDEN PETER CHARLES

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): F16B13/12 F16B39/02 F16B41/00 (Advanced/Invention); F16B13/00 F16B39/00 F16B41/00 (Core/Invention)

CPC: F16B13/126 F16B19/1081 F16B39/023 F16B41/005

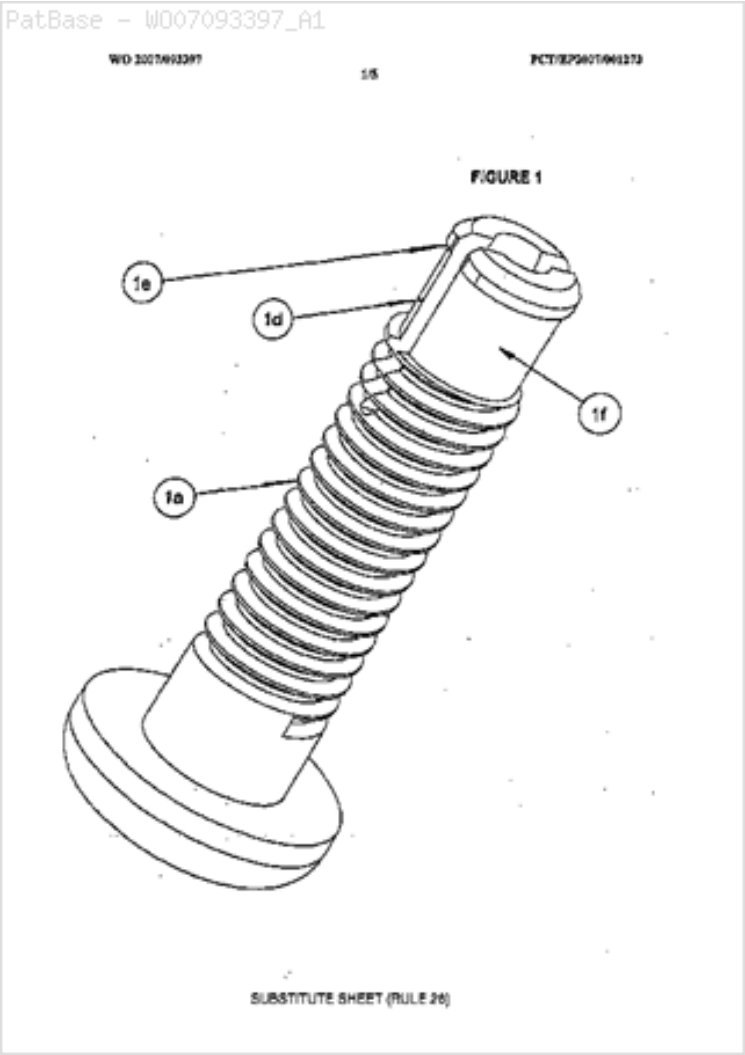
European class: F16B13/12C F16B19/10B2D F16B39/02E F16B41/00C

Classification Explorer

Cited documents: US6116942 A, US4411570 A, US322657 A, US2871749 A, US2463859 A, GB137696 A, FR2595123 A1, EP0463751 A1, DE7627372 U,

Forward Citations: WO11029626, GB2507781, GB2507781, GB2481011, GB2474011, GB2474011, CN105221548, CN104962822, CN104948879, CN103062201,

Abstract:
The invention relates to an attachment system comprising a screw assembly system having increased security and/or safety. The system consists of two elements, part (1), the fixing screw and part (2), the locking pin. In use, when the attachment has been accomplished using the fixing screw and tightened the locking pin is inserted into the through hole in the fixing screw, to lock into position preventing removal of the screw; in a preferred embodiment the locking pin also prevents access to the method of removing said screw. In addition, locking features on the fixing screw are activated by the locking pin to prevent the removal of the nut (or similar). The attachment system has a wide range of uses from light industrial and domestic uses to heavy industrial uses and is particularly useful in the prevention of theft and vandalism such as in the security of vehicle number plates.



0) US2014077490A – METER LOCK AND EXTENDER SYSTEM AND METHOD USE

8) Family number: 56020003 (US2014077490A)

© PatBase

Title:	METER LOCK AND EXTENDER SYSTEM AND METHOD USE
Priority:	US20120702409P 20120918 US20130775074P 20130308 US20130028235 20130916

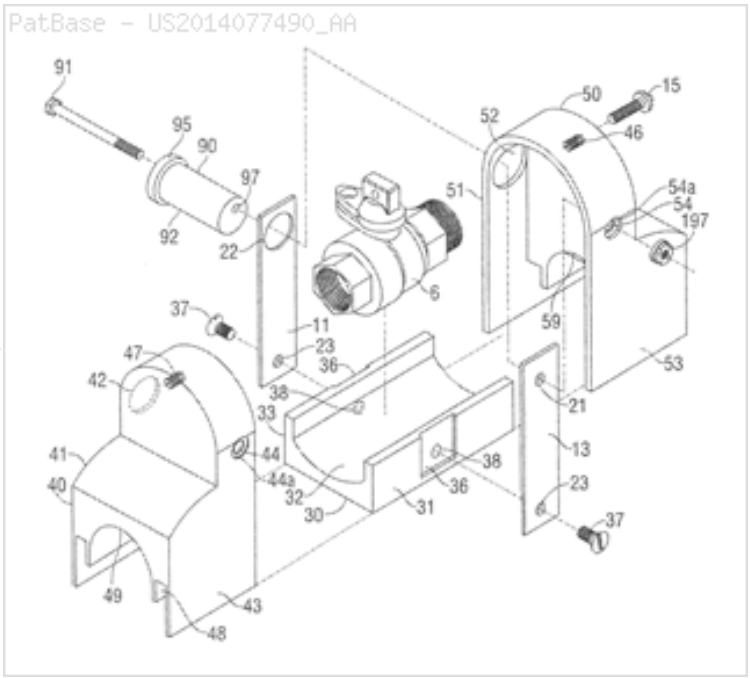
Family:

Publication number	Publication date	Application number	Application date
US2014077490 AA	20140320	US20130028235	20130916

Probable Assignee:	DANIELS RON R
Assignee(s):(std)**:**	DANIELS RON R
Inventor(s):(std)**:**	DANIELS RON R
International class (IPC 8–9):	F16L19/00 (Advanced/Invention)
CPC:	F16L19/005 E05B65/0089 F16K35/06 G01F15/007 G01F15/14 G01F15/18
US class:	285/80

Classification Explorer

Abstract:
Source: US2014077490A In various embodiments, the present invention describes a system that attaches to an existing pipeline, pipe, valve or meter in order to prevent unwanted theft and tampering with fluids and gasses flowing through the pipeline, pipe, valve or meter. In one embodiment of the present invention, the inventive device has two locking halves that mechanically and releasably interact with each other and cover the metering device prior to being locked. In one embodiment of the present invention one housing frame connect with a rectangular base underneath the invention thereby allowing it to lock the meter. In one embodiment of the present invention the electronic signal devices are elevated from the meter thereby preventing accidental dislodging and tampering.



9) Family number: 62989028 (US2016214570A)

© PatBase

Title: COMBINATION FUEL MONITORING AND ANTI–THEFT DEVICE AND SYSTEM

Priority: US20150108352P 20150127 US20160006197 20160126

Family:

Publication number	Publication date	Application number	Application date
US2016214570 AA	20160728	US20160006197	20160126

Probable Assignee: HRISTOV IGOR

Assignee(s):(std)**:** HRISTOV IGOR ; MAGOCI JURICA

Inventor(s):(std)**:** HRISTOV IGOR ; MAGOCI JURICA

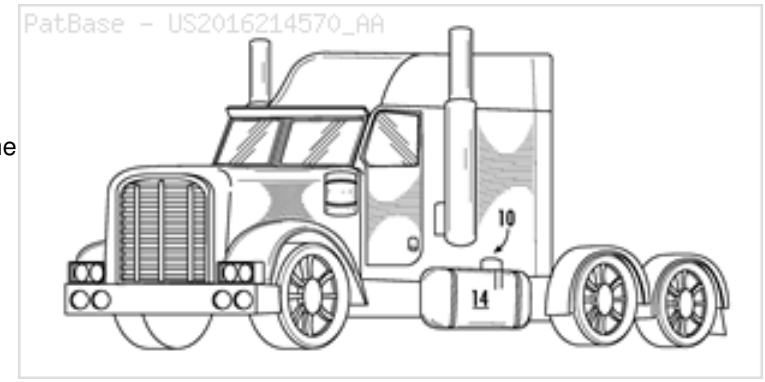
International class (IPC 8–9)**:** B60R25/01 B67D7/32 G07C5/00 G07C5/08 (Advanced/Invention)

CPC: B60R25/01 G07C5/08 G07C5/008

US class: 701/123

Classification Explorer

Abstract:
Source: US2016214570A The present disclosure relates to a combination fuel monitoring and anti–theft device and system for monitoring fuel load and preventing fuel theft. The device and system provide real–time information, relating to fuel load and consumption, which is transmittable to a remote receiver.



0) US2005262027A – SECURITY SYSTEM AND METHOD FOR DETERRING, PREVE...

10) Family number: 32432279 (US2005262027A) © PatBase

Title: SECURITY SYSTEM AND METHOD FOR DETERRING, PREVENTING, AND/OR TRACKING OF THEFT OF THE USE OF GOODS AND SERVICES, PARTICULARLY FUEL AT RETAIL FUELING STATIONS

Priority: US20040569681P 20040510 US20050125682 20050510 US20060343149 20060130

Family:

Publication number	Publication date	Application number	Application date
US2005262027 AA	20051124	US20050125682	20050510
US2006190129 AA	20060824	US20060343149	20060130
WO05111951 A1	20051124	WO2005US16188	20050510

Probable Assignee: GILBARCO INC

Assignee(s):(std)**:** GILBARCO INC

Inventor(s):(std)**:** SNYDER JOSEPH C ; SNYDER ; HUTCHINSON RAY J ; DANIEL JOSEPH M ; DELINE JONATHAN

Inventor(s): HUTCHINSON RAY ; SNYDER JOSEPH ; DANIEL JOSEPH

Agent(s): WITHROW AND TERRANOVA PLLC

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): A63F13/00 G06F17/00 G06F19/00 G07F13/02 G07F7/00 G07F7/08 G07F7/12 (Advanced/Invention); A63F13/00 G06F17/00 G06F19/00 G07F13/00 (Core/Invention)

International class (IPC 1–7): A63F13/00 G06F17/00 G06F19/00 G07F7/00 G07F7/08

CPC: G07F7/00 G06Q20/401 G06Q20/4033 G07F7/08 G07F7/0833 G07F7/12 G07F13/025

European class: G06Q20/401 G06Q20/4033 G07F13/02B G07F7/00 G07F7/08 G07F7/08A4 G07F7/12

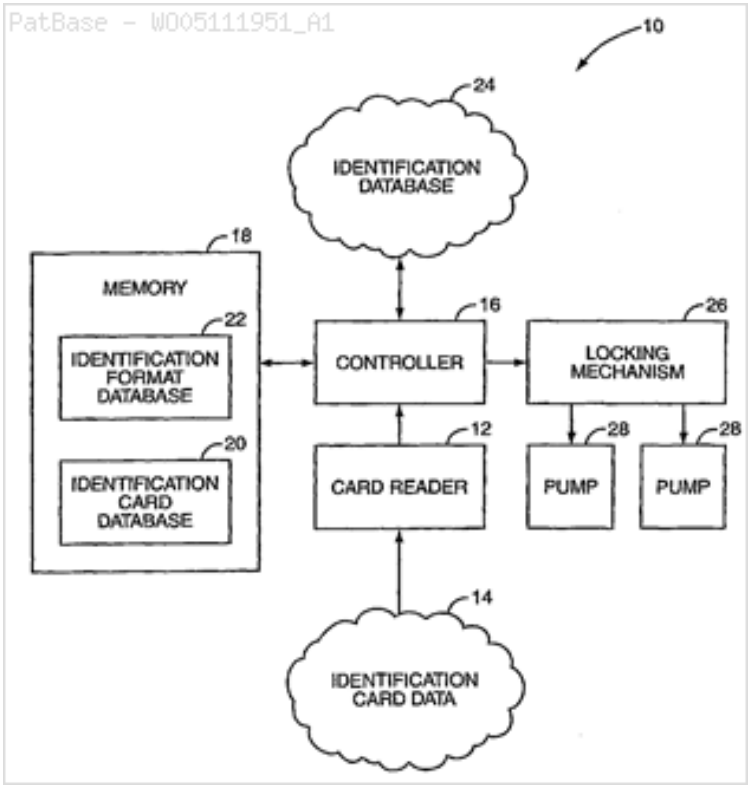
US class: 700/232 700/232P 705/75 705/75P

Classification Explorer

Cited documents: US7163146 BB, US7096895 BB, US6991160 BB, US6647372 BA, US6422464 BA, US6157871 A, US6052629 A, US5956259 A, US5734851 A, US5728999 A, US5423457 A, US5400253 A, US5319545 A, US5204819 A, US4977528 A, US4395626 A, US2006202027 AA, US2006108413 AA, US2005262027 AA, US2004079799 AA,

Forward Citations: WO16091758, WO13079974, WO08076363, US9580295, US9523597, US9302899, US9147189, US9133012, US8965569, US8768505, US8757010, US8395523, US8285506, US7912577, US2015143123, US2014074282, US2011191037, US2011054678, US2011047081, US2010191674, US2010090855, US2010089485, US2010017040, US2008154427, US2008147539, US2008128453, US2006190129, US2006080254,

Abstract:
Source: US2005262027A A system and method of preventing theft of the use of goods or services, particularly fuel dispensed from a fuel dispenser, comprised of providing a security system including a controller, a card reader that is operable to read data stored within an identification card and to report the identification data to the controller. A locking mechanism adapted to restrict access to the goods or services, wherein the locking mechanism is operable by the controller. The locking mechanism is engaged to restrict access to the goods or services until either payment is made, an identification card entered into the card reader, or both, by a user desiring access to the goods or services. The identification data on the card is verified in format and/or authenticity, and if verified, the locking mechanism is unlocked to allow access to the goods or services, such as fuel dispensed from a fuel dispenser.



0) GB2460500A – ELECTRIC CARS, ELECTRIC CAR BATTERIES, AND INFR...

11) Family number: 43790937 (GB2460500A) © PatBase

Title: ELECTRIC CARS, ELECTRIC CAR BATTERIES, AND INFRASTRUCTURES FOR RECHARGING ELECTRIC CARS

Priority:

GB20070025123 20071224	GB20070025207 20071227	GB20080002261 20080207
GB20080003166 20080221	GB20080003766 20080229	GB20080003765 20080229
GB20080005117 20080319	GB20080011364 20080620	GB20080008733 20080514
GB20080013198 20080718	GB20080006726 20080414	GB20080012751 20080711
GB20080010373 20080606	GB20080013940 20080731	GB20080014546 20080811
GB20080018133 20081006	GB20080015749 20080829	GB20080019552 20081025
GB20080015198 20080820	GB20080017192 20080922	GB20080014793 20080814
GB20080016127 20080904	GB20080015376 20080826	GB20080017753 20080929

Family:

Publication number	Publication date	Application number	Application date
GB200823475 A0	20090128	GB20080023475	20081224
GB2460500 A1	20091209	GB20080023475	20081224

Probable Assignee: GADASSI HAIM

Assignee(s):(std)**:** GADASSI HAIM ; MAYER YARON

Assignee(s): YARON MAYER ; HAIM GADASSI

Inventor(s):(std)**:** GADASSI HAIM ; MAYER YARON

Inventor(s): YARON MAYER ; HAIM GADASSI

International class(IPC 8–9)**:** B60L11/18 H02J7/04 (Advanced/Invention); B60L11/18 H02J7/04 (Core/Invention)

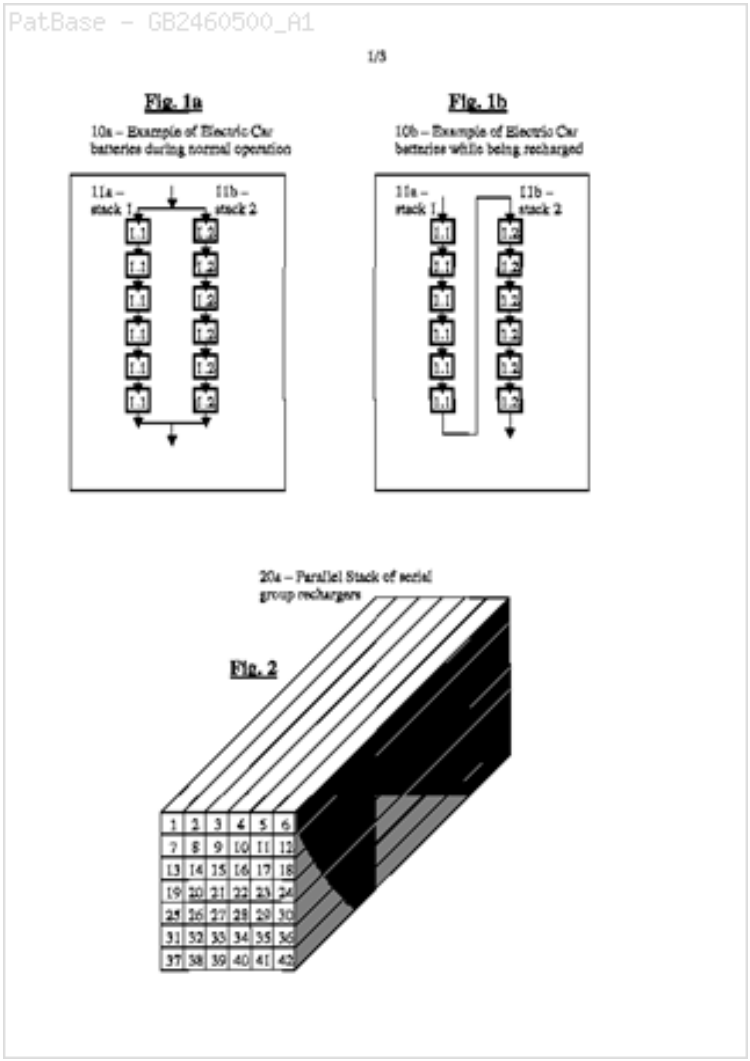
CPC: B60L2200/26 B60L11/18 H02J7/04 B60L11/1822 B60L11/1818 B60L11/1825 B60L11/184 B60L11/1842 B60L11/1844 B60L11/1846 B60L11/1848 B60L11/185 B60L11/1874 B60L11/1875 B60L2270/34 Y02E60/721 Y02T10/7005 Y02T10/705 Y02T10/7072 Y02T90/121 Y02T90/124 Y02T90/128 Y02T90/14 Y02T90/169 Y04S10/126 Y04S30/14

European class: B60L11/18 B60L11/18L4A B60L11/18L6 B60L11/18L7A B60L11/18L7J10 B60L11/18L7J12 B60L11/18L7J2 B60L11/18L7J4 B60L11/18L7J6 B60L11/18L7J8 B60L11/18M34D B60L11/18M34F H02J7/04 L60L270/34 Y02E60/72B Y02T10/70B Y02T10/70H4 Y02T10/70J Y02T90/12B Y02T90/12F Y02T90/12L Y02T90/14 Y02T90/16F4 Y04S10/12D Y04S30/14

Classification Explorer

Forward Citations: WO14177608, WO13051034, WO13051034, WO12171760, WO12138673, WO12138673, WO12069153, WO12069153, WO12047328, WO12038225, WO12038225, WO12011436, WO11107640, US9566868, US9348381, US9253024, US9216653, US9007020, US8981718, US8963481, US2012303259, FR2974768, EP2481627, EP2402205, DE202012105091, DE102011120233,

Abstract:
Source: GB2460500A The invention enables improved and more efficient recharging of electric cars, by using improved batteries, improved recharger arrangements in electric cars, and infrastructures that are used for recharging electric cars, while also protecting the electric grid from overload. This is done for example by accumulating energy in service stations in special high speed capacitors, such as one or more super capacitors, or one or more molten salt accumulators, or other fast batteries which can be recharged to 80 percent capacity within 5 minutes. These accumulators can be used to recharge cars, since otherwise the service station would need to have a huge capacity power supply to enable such fast recharges. Other variations include efficient methods of recharging the batteries serially, either in the service station (based on a model of fast replacement of batteries at the service station), after automatically sorting the batteries into more or less homogenous groups, or in the car itself by automatically rerouting the batteries, or some of them, or elements in them, during recharge so that they are recharged more serially than during the normal operation of the car. This enables recharge with fewer rechargers at higher voltages and with less current and fewer problems of heat during recharge. Other improvements include a system wherein when recharging the electric cars, rechargers and central computers in the electrical grid company and in the service provider take into account car–specific parameters in order to optimize the recharging priorities, for example based on the state of their batteries and heuristics or statistics or automatic repeated identification of cars based on a unique digital ID number. The system can take into account also various regular or historical car–specific parameters or patterns or statistics, such as typical arrival and departure times, typical distances traveled, specific needs based on week days, etc. Other features include a system and method for alerting users when a parking and recharging post becomes available or reserving them in advance.



0) CN201438124U – FULL–PLASTIC WATER METER BOX

12) Family number: 44915055 (CN201438124U) © PatBase

Title:	Full–plastic water meter box
Priority:	CN200920124054U 20090702

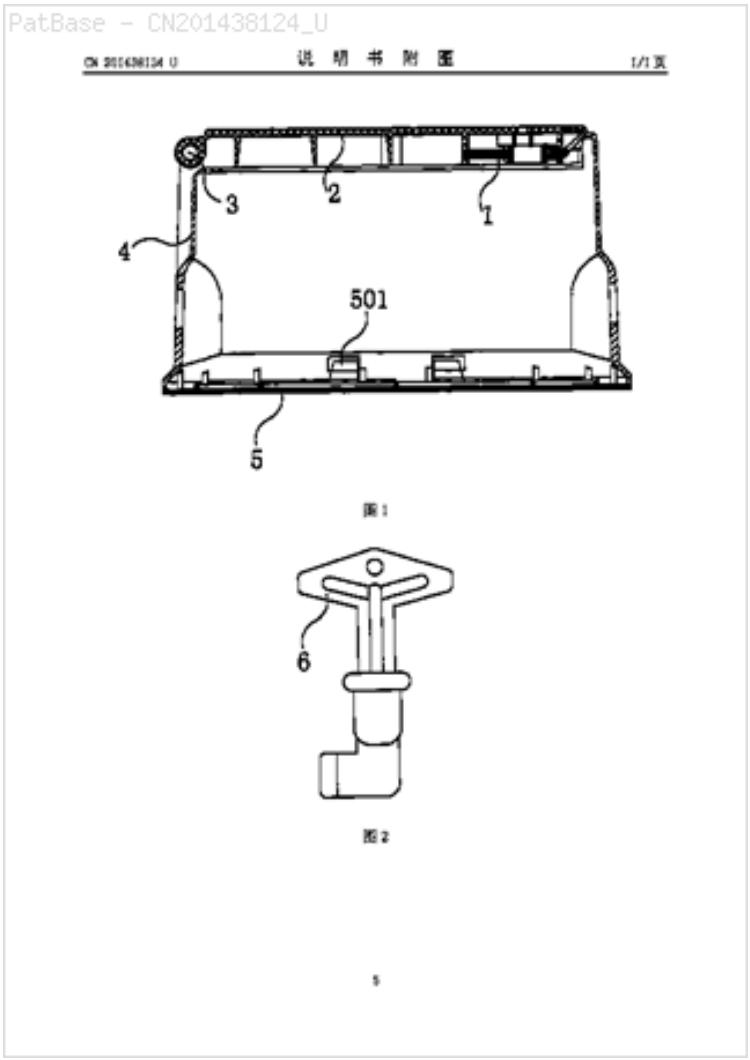
Family:

Publication number	Publication date	Application number	Application date
CN201438124 U	20100414	CN200920124054U	20090702

Probable Assignee:	NINGBO AIMEI METER MANUFACTURE CO LTD
Assignee(s):(std):	NINGBO AIMEI METER MANUFACTURE CO LTD
Assignee(s):	NINGBO AIMEI METER MANUFACTURE CO
Inventor(s):(std):	LIYAN CHEN ; XIUHAO WANG
Inventor(s):	CHEN LIYAN ; WANG XIUHAO
International class (IPC 8–9):	G01F15/14 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN201438124U The utility model relates to a full–plastic water meter box which has high intensity and is friendly to the environment. The full–plastic water meter box is designed aiming at solving the technical problems that a present like product needs high production cost and is inconvenient for producing, assembling, using as well as installing due to the structure is not good. All spare parts of the water meter box are made of nontoxic pollution–free high–intensity engineering plastics. The key points of the water meter box are as follows: a cover plate lock which is arranged in a cover plate is connected with the cover plate, the cover plate and a box body are articulated into a whole by a pin shaft at one side, and a bottom plate which is provided with a lock catch is connected with the box body into a whole by the lock catch, wherein the cover plate is buckled with the box body through plastic deformation. One side of the cover plate and one side of the box body are connected into a whole by the pin shaft through fusing, and the cover plate can rotate with the pin shaft as the center. With the characteristics of simple as well as convenient installing and using, good anti–theft as well as antiseptic effects, long service life, wide application range and low production cost, the full–plastic water meter box is suitable for mass production in an injection molding manner; the water meter boxes with different specifications are assembled with water meters with the corresponding specifications; and the full–plastic water meter box in the utility model is suitable for protecting various indoor and outdoor water meters.



0) CN2545580Y – WATER METER WITH LOCK CAPABLE OF PREVENTING FRA...

13) Family number: 28493093 (CN2545580Y) © PatBase

Title: Water meter with lock capable of preventing fraudulent use of water

Priority: CN20022039002U 20020614

Family:

Publication number	Publication date	Application number	Application date
CN2545580 Y	20030416	CN20022039002U	20020614

Probable Assignee: ZHAO MIN

Assignee(s):(std)**:** ZHAO MIN

Inventor(s):(std)**:** ZHAO MIN

Inventor(s): MIN ZHAO

International class (IPC 8–9)**:** G01F15/00 (Advanced/Invention); G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F15/00

Classification Explorer

Abstract:
Source: CN2545580Y The utility model relates to an anti–theft water meter with a lock, which consists of a water meter and a valve. The valve comprises a valve body, a valve core and a lock; the valve body is arranged at one end of the water meter and is connected with the shell of the water meter. Concave–convex opening mechanisms which are matched with each other are arranged at the lower end of the lock core and the upper end of the lock core, the valve core is a plug valve core which is in an inverted cone shape. By matching the cone surface with the valve body, a positioning baffle is fixedly connected with the lower end of the lock body and a boss matched with the baffle is arranged on the internal wall of the valve body arranged above the valve core. A compression spring is arranged between the valve core and the baffle, and a locking nut is arranged between the valve body arranged above the baffle and the lock body. Because the lock is arranged on the valve of the utility model, the keys only need to be held in the hands after the water supply department arranges the water meter, and turning off the valve can realize cutting off the water and gas supply, and turning on the valve by using the keys can enable the water supply back, thereby being very convenient.

0) CN2777509Y – RUNNING WATER–METER ANTI–THEFT PROTECTION BOX

14) Family number: 33220780 (CN2777509Y)

© PatBase

Title: Running water–meter anti–theft protection box

Priority: CN200520032749U 20050107

Family:

Publication number	Publication date	Application number	Application date
CN2777509 Y	20060503	CN200520032749U	20050107

Probable Assignee: LUO YONGJIAN

Assignee(s):(std)**:** LUO YONGJIAN

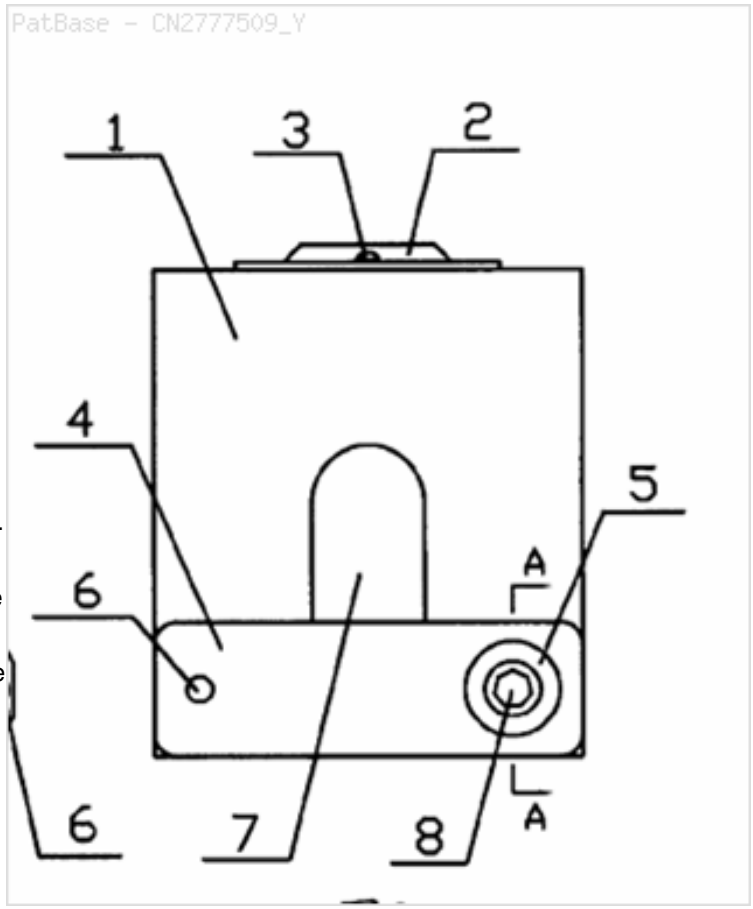
Inventor(s):(std)**:** LUO YONGJIAN

Inventor(s): YONGJIAN LUO

International class (IPC 8–9)**:** G01F15/00 G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2777509Y The utility model discloses a protecting device for a running water meter, particularly an anti–theft protecting box for a running water meter. The utility model comprises a box body, wherein the left and the right sides of the box body are correspondingly provided with two grooves, and the lower ends of the left and the right sides of the box body are respectively fixed with a locking sheets; one end of each locking sheet is hinged on the box body at one side of the grooves, and the other end of each locking sheet is provided with a hole; the box body the other side of the grooves is fixed with an outer locking sleeve; an inner locking sleeve is connected to the inside of the hole of each locking sheet in a sheathing way, and the locking sheets are fixedly connected to the outer locking sleeve; the upper end of the box body is also provided with an observation hole. The utility model can easily fix a water meter and can effectively prevent a person who steals water from stealing water by utilizing the interchangeability of the water meter; meanwhile, the box body has a definite protecting ability and can effectively protect the water meter from damaging.



15) Family number: 41124845 (CN200986459Y) © PatBase

Title: Resin composite anti–friction and pressure water meter case

Priority: CN200620113216U 20060428

Family:

Publication number	Publication date	Application number	Application date
CN200986459 Y	20071205	CN200620113216U	20060428

Probable Assignee: JIANGEN JIANG

Assignee(s):(std)**:** JIANGEN JIANG

Assignee(s): JIANG JIANGEN

Inventor(s):(std)**:** JIANGEN JIANG

Inventor(s): JIANG JIANGEN

International class (IPC 8–9): G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN200986459Y A resin composite friction and pressure–proof water meter case used on water supply lines and municipal pipeline facility works, which belongs to the field of water conduit installation works. The utility model primarily consists of a cover board of the water meter case, a spring pull, a cover board lock, cover board fastening galvanized flat steels and embedded screw devices. The cover board lock arranged on the cover board of the resin composite water meter case adopts reinforced nylon to increase the anti–theft performance and the performance life of the lock. An all stainless steel spring pull is provided on the water meter case cover board to make it convenient to open the water meter case. When the cover board lock is unlocked, the pull is sprung automatically. Fastening galvanized flat steels are embedded on the peripheral hem of the cover board of the water meter case to increase the airtightness, compaction resistance and firmness of the entire water meter case.

16) Family number: 15394421 (US2004039504A) © PatBase

Title: VEHICLE TRACKING, COMMUNICATION AND FLEET MANAGEMENT SYSTEM

Priority:

EP20000993539 20001218 US19990455169 19991206 US20050303676 20051215
US20050125636 20050510 US20030646715 20030825 US19990466169 19991219
US20080313650 20081120 US20080313560 20081120 US20090590908 20091116
US20090559322 20090914 US20090459843 20090707 US20100358423P 20100625
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US20150605652 20150126 US20150952572 20151125 US20120382913 20120407
WO2011US41590 20110623

Family:

Publication number	Publication date	Application number	Application date
AT374987 E	20071015	AT20000993539T	20001218
AT424564 E	20090315	AT20000011705T	20001218
AU200129065 A5	20010703	AU20010029065	20001218
CN101484777 A	20090715	CN200680047098	20061215
CN102577349 A	20120711	CN201080031208	20100706
CN102577349 B	20150923	CN201080031208	20100706
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CN103119611 B	20160511	CN201180031443	20110623
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DE102013202393 A1	20130822	DE201310202393	20130214
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EP1410364 A2	20040421	EP20000993539	20001218
EP1410364 A4	20040421	EP20000993539	20001218
EP1410364 B1	20071003	EP20000993539	20001218
EP1843161 A2	20071010	EP20070011705	20001218
EP1843161 A3	20071017	EP20070011705	20001218
EP1843161 B1	20090304	EP20070011705	20001218
ES2322627 T3	20090623	ES20070011705T	20001218
HK1115449 A1	20091106	HK20080103374	20080326
HK1115449 A3	20081128	HK20080103374	20080326
JP2012533222 T2	20121220	JP20120519675T	20100706
JP2013535013 T2	20130909	JP20130516762T	20110623
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US2004039504 AA	20040226	US20030646715	20030825
US2006142913 AA	20060629	US20050125636	20050510
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US2009115655 AA	20090507	US20080313560	20081120
US2010141759 AA	20100610	US20090590908	20091116
US2011007939 AA	20110113	US20090459843	20090707
US2011102255 AA	20110505	US20110930569	20110111
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US2012163656 AA	20120628	US20110167733	20110624	
US2012195466 AA	20120802	US20100382913	20100706	
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US2013195362 AA	20130801	US20130799266	20130313	
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US2014156219 AA	20140605	US20140172549	20140204	
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US2015170368 AA	20150618	US20150605652	20150126	
US2016078636 AA	20160317	US20150952572	20151125	
US6611755 BA	20030826	US19990466169	19991219	
US6892131 BB	20050510	US20030646715	20030825	
US7489993 BB	20090210	US20050125636	20050510	
US7619561 BB	20091117	US20080313560	20081120	
US7940211 BB	20110510	US20090590908	20091116	
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US9134127 BB	20150915	US20140172549	20140204	
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US9324003 BB	20160426	US20130829085	20130314	
US9471986 BB	20161018	US20150605652	20150126	
WO0146710 A2	20010628	WO2000US33272	20001218	
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WO11005783 A3	20110210	WO2010US41096	20100706	
WO11005783 A4	20110331	WO2010US41096	20100706	
WO11163454 A1	20111229	WO2011US41590	20110623	

Probable Assignee: TRIMBLE NAVIGATION LTD

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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): B28C5/42 B60P3/03 B60P3/16 G01B11/03 G01B11/14 G01B11/24 G01C1/00 G01C11/06 G01C15/00 G01C15/06 G01C21/00 G01C21/26 G01C9/00 G01C9/06 G01M17/00 G01P3/487 G01S1/00 G01S1/72 G01S13/00 G01S19/40 G01S19/42 G01S19/45 G01S19/48 G01S19/49 G01S19/51 G01S19/53 G01S5/14 G06F15/00 G06K9/00 G06K9/32 G06K9/46 G06K9/62 G06T7/00 G06T7/20 G07C5/00 G07C5/08 G08G1/123 G08G1/127 H04L12/56 H04N13/02 H04N5/225 H04N5/228 H04N5/232 H04N7/18 H04W16/14 H04W28/22 H04W56/00 H04W64/00 H04W72/04 H04W74/04 H04W8/24 H04W84/00 (Advanced/Invention);
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G01S19/00 G01S5/14 H04N7/18 (Core/Invention);
B60P G01C G01P G07C G08G (Subclass/Invention)

International class (IPC 1–7): G01S G06F165/00 G06F17/00 G06F19/00 G08G1/123 H04B7/155 H04B7/26 H04Q7/38

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US class: 1/1 180/209 280/6.151 280/61.51 340/438 340/439 340/988 340/993 342/357.02 342/357.17 342/357.23 342/357.230S 342/357.28 342/357.280P 342/357.31 342/357.32 342/357.320P 342/357.34 342/357.340S 342/52 345/569 345/629 348/100 348/130 348/135 348/135S 348/137 348/139 348/139P 348/144 348/169 348/207 348/207.1 348/217.1 348/231 348/231.1 348/46 348/584 348/E7.085 348/E70.85S 366/349 366/61 382/100 382/103 382/103P 382/113 382/195 382/195 382/233 382/294 455/12.1 455/518 455/521 455/526 701/200 701/207 701/213 701/217 701/27 701/29 701/29.3 701/29.300P 701/29S 701/300 701/300S 701/31.4 701/31.400P 701/32.3 701/33 701/33P 701/33S 701/35 701/35P 701/408 701/408P 701/482 701/482P 701/484 701/495 701/517 702/150

Classification Explorer

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Abstract:
Source: US2004039504A A vehicle fleet management information system for identification of location and direction of movement of each vehicle in the fleet in real−time and automatic communication directly with management offices to report its location and heading, and status of predetermined events in which the vehicle may be engaged. Each fleet vehicle is assigned a unique time slot to transmit its reporting information over a communications network without substantially interfering with transmissions from other vehicles in their own respective time slots. Precise time synchronization is provided by a timing control PLL which provides timing corrections as necessary from GPS based time reference. The network includes a dual band full−duplex interface with TDMA on one−half of the interface and broadcast on the other half. Additionally, time processing units of microprocessors in components throughout the network perform precise clock synchronization. A protocol is established for entry by vehicle transmitters into the network in the assigned time slots for periodic transmission of messages, and space diversity is performed on messages received from the vehicle transmitters to avoid data corruption. Different periodic transmission intervals are provided for different vehicles in the network by dynamically allocating the slots for various update rates. And auxiliary reporting slots are provided to allow prompt reporting of important data by the respective vehicle transmitters independent of slower periodic transmission intervals. Baseband filtering of data reduces the occupied bandwidth of the transmission channel, and includes removal of synchronization data to minimize overhead of non−information bearing data. Certain repeated events in which the vehicle is operated according to basic usage and specific usage for its industry are sensed, detected or measured and automatically reported to management offices.

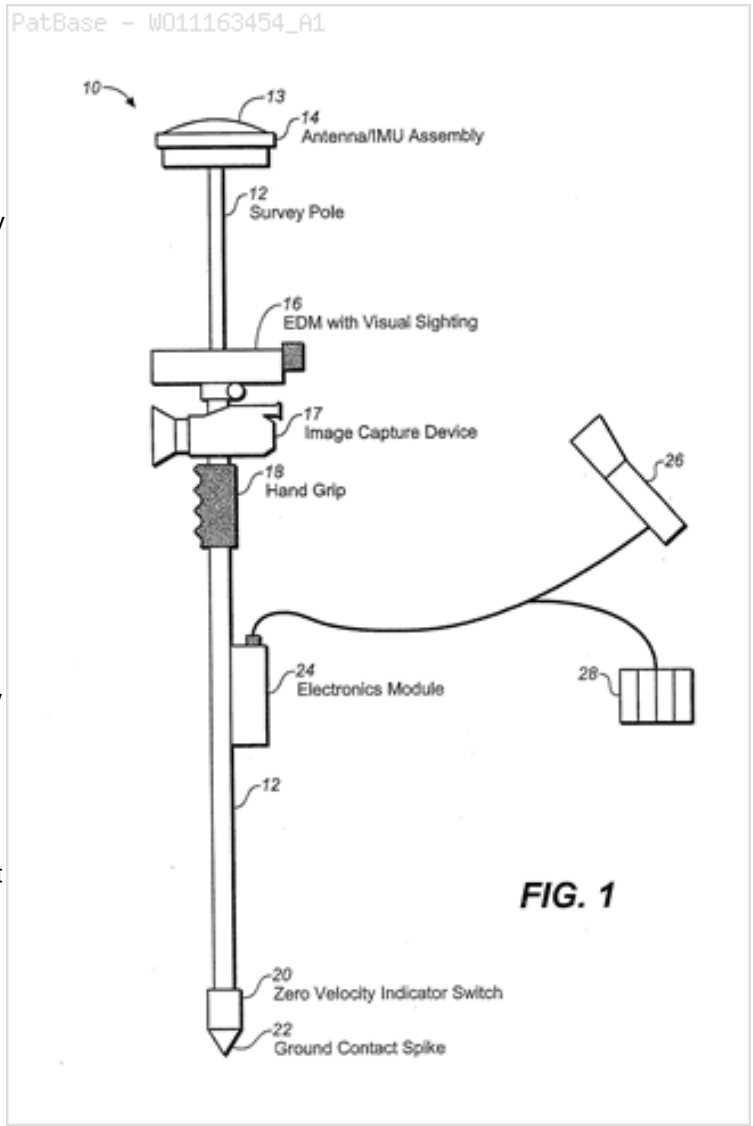


FIG. 1

0) CN203274832U – PLASTIC WATER METER BOX

17) Family number: 55135172 (CN203274832U) © PatBase

Title: PLASTIC WATER METER BOX

Priority: CN201320327962U 20130607

Family:

Publication number	Publication date	Application number	Application date
CN203274832 U	20131106	CN201320327962U	20130607

Probable Assignee: YANG DONG

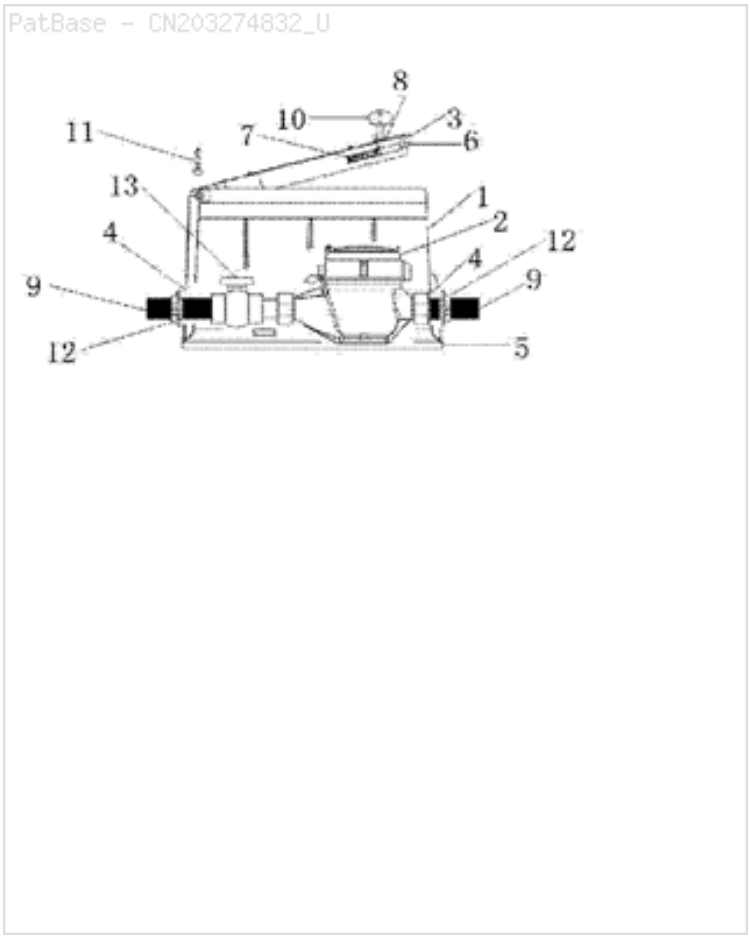
Assignee(s):(std)**:** YANG DONG

Inventor(s):(std)**:** YANG DONG

International class (IPC 8–9)**:** G01F15/14 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN203274832U The utility model relates to a plastic water meter box. The plastic water meter box comprises a box body and a water meter, wherein an overturning cover is arranged at the top part of the box body; the bottom ends of the left side and the right side of the box body are provided with holes; a bottom plate is arranged at the bottom part of the box body; the front end of the overturning cover is provided with a clamping pin which is connected with a spring; an overturning cover locking hole is formed in the top part of the overturning cover and corresponds to the spring; the box body is internally provided with a water meter; a valve is connected to the left side of the water meter; each of the left side of the valve and the right side of the water meter is connected with a connecting pipe; and the connecting pipes extend out of the box body through the holes. The plastic water meter box has the beneficial effects that the use is convenient, the weight is light, the environment–friendly effect is achieved, the rusting can be avoided, the corrosion is resistant; and due to arrangement of a safety lock, the anti–theft function is achieved.



0) CN104200573A – ANTI–THEFT SMART WATER METER

18) Family number: 57979835 (CN104200573A) © PatBase

Title:	ANTI–THEFT SMART WATER METER
Priority:	CN201410467833 20140915

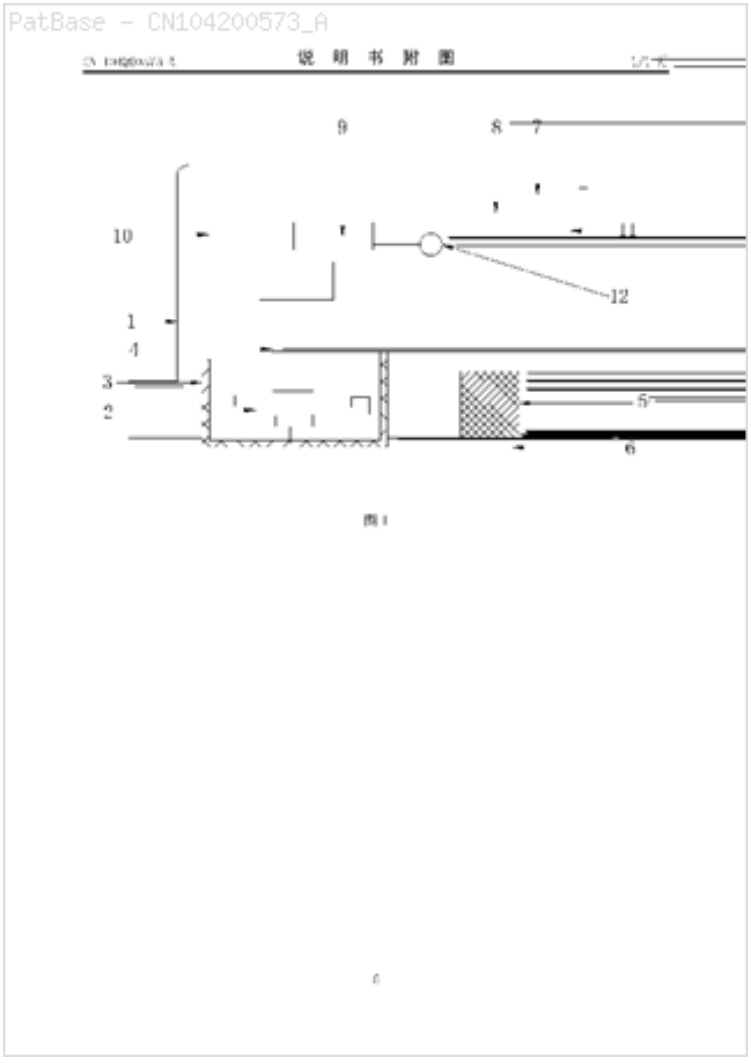
Family:

Publication number	Publication date	Application number	Application date
CN104200573 A	20141210	CN201410467833	20140915

Probable Assignee:	ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD
Assignee(s):(std):	ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD
Assignee(s):	ZHENGZHOU LONGSIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD ; ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO
Inventor(s):(std):	SONG YALEI
International class (IPC 8–9):	G01F15/12 G07F15/10 G08C17/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN104200573A The invention discloses an anti–theft smart water meter and relates to the technical field of smart water meters. An impeller is mounted within a housing. A protective net is arranged outside the impeller. A sensor is disposed at the upper end of the impeller. A filter net is mounted at a water inlet of the housing. The filter net is fixed through a sealing bolt. A mounting box is mounted at the upper end of the housing. A cover plate is mounted on the mounting box and locked through a locker. A processor, a storage battery and a wireless transmitting module are all mounted within the mounting box. A contact switch is mounted on the inner wall of the mounting box. A contact of the contact switch is in fit with the bottom of the cover plate. The sensor and the contact switch are both connected with the input end of the processor through signal lines. The power end of the processor is connected with the storage battery. The output end of the processor is connected with the wireless transmitting module through a signal line. The anti–theft smart water meter can prevent water from being stolen, the service life of the anti–theft smart water meter can be prolonged, and the anti–theft smart water meter is simple to operate, convenient to use and convenient to clean.



0) CN201277875Y – ANTI–THEFT PROTECTING BOX FOR WATER METER

19) Family number: 43572358 (CN201277875Y)

© PatBase

Title:	Anti–theft protecting box for water meter
Priority:	CN200820140955U 20081021

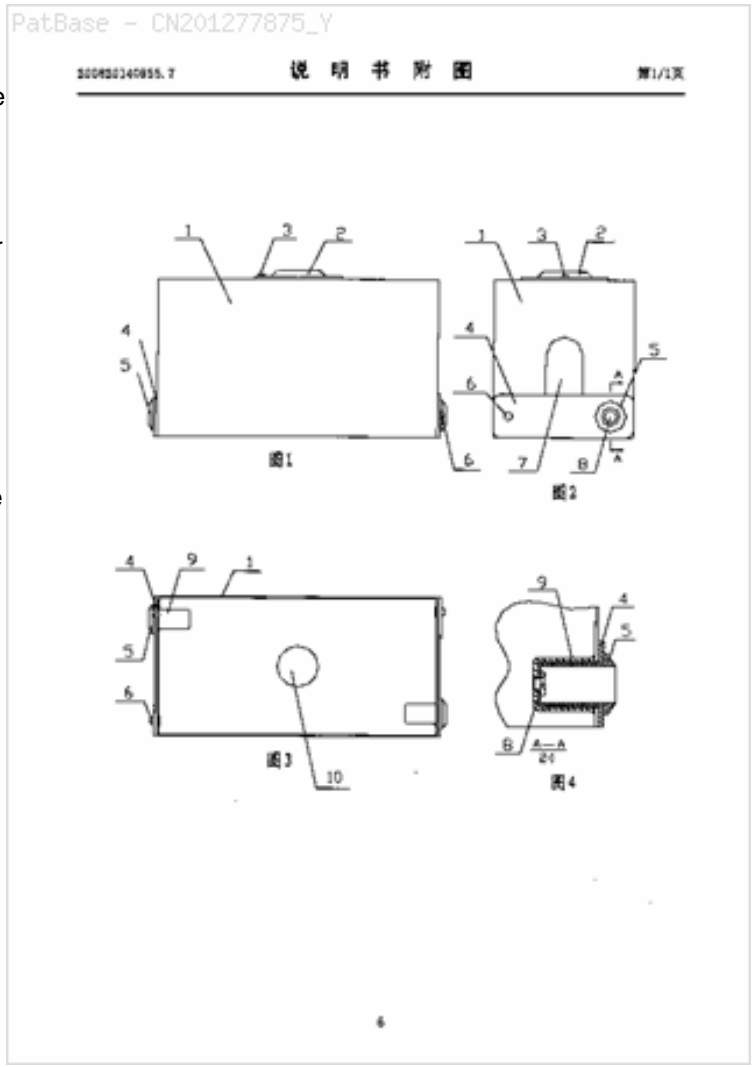
Family:

Publication number	Publication date	Application number	Application date
CN201277875 Y	20090722	CN200820140955U	20081021

Probable Assignee:	ZEQUAN YI
Assignee(s):(std):	ZEQUAN YI
Assignee(s):	YI ZEQUAN
Inventor(s):(std):	ZEQUAN YI
Inventor(s):	YI ZEQUAN
International class (IPC 8–9):	G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN201277875Y The utility model discloses a theftproof guard box for a water meter, comprising a box body; two grooves are correspondingly arranged at the left side and the right side of the box body; the lower ends of the left sides and the right sides of the box body are respectively fixed with a lock blade, one end of the lock blade is hinged on the box body at one side of each groove, and the other end is provided with a hole; the box body at the other side of each groove is fixed with an external lock sleeve, and an internal lock sleeve is sleeved in the hole of the lock blade and fixes the lock blade on the external lock sleeve by a bolt; and the upper end of the box body is also provided with inspection holes. The utility model can easily fix the water meter and can effectively prevent the person who steals water from stealing water by utilizing the exchangeability of the water meter; meanwhile, the box bodies have a certain protective capacity, thereby being capable of effectively protecting the water meter from being damaged.



0) WO11029626A1 – ATTACHMENT SYSTEM SYSTEME DE FIXATION

20) Family number: 44025216 (WO11029626A1) © PatBase

Title: ATTACHMENT SYSTEM

Priority: GB20090016129 20090914

Family:

Publication number	Publication date	Application number	Application date
GB200916129 A0	20091028	GB20090016129	20090914
GB2474011 A1	20110406	GB20090016129	20090914
GB2474011 B2	20130619	GB20090016129	20090914
IN02337MU2009 A	20110610	IN2009MU02337	20091007
WO11029626 A1	20110317	WO2010EP05613	20100914

Probable Assignee: FAROUSE DESIGN LTD

Assignee(s):(std)**:** FAROUSE DESIGN LTD ; FARR PHILIP WILLIAM ; ROUSE COLIN JOHN

Inventor(s):(std)**:** FARR PHILIP WILLIAM ; ROUSE COLIN JOHN

Inventor(s): COLIN JOHN ROUSE ; PHILIP WILLIAM FARR

Agent(s): BAWDEN PETER CHARLES

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): F16B41/00 (Advanced/Invention)

International class (IPC 1–7): F16B41/00

CPC: F16B41/005

European class: F16B41/00C

Classification Explorer

Cited documents: WO07093397 A1, US322657 A, US3042094 A, US2871749 A, US2463859 A, US2438533 A, US1409817 A, GB2435082 B8, GB2435082 A1, GB2189303 A1, GB1491783 A, FR867253 A, EP0463751 A1,

Forward Citations: GB2507781, GB2507781, CN105387051,

Abstract:
An attachment system comprising a screw (2) with a bore (6) having a recessed head (4) containing the means (5) for applying the screw a locating pin (8, 9, 10) for securing the screw (2) mechanism the pin being provided with an impact activated adhesive on its external surface.

PatBase - WO11029626_A1

FIGURE 1

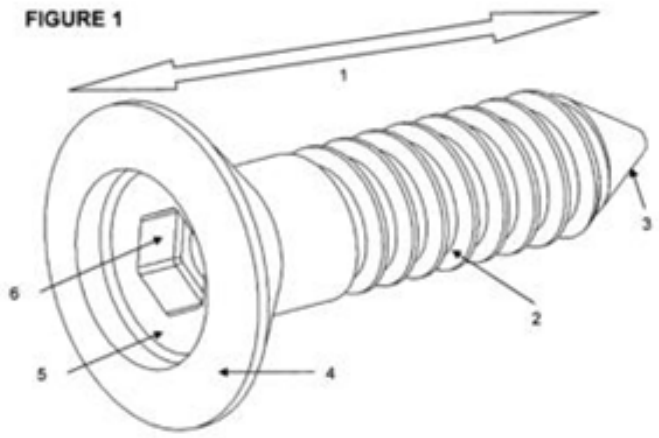
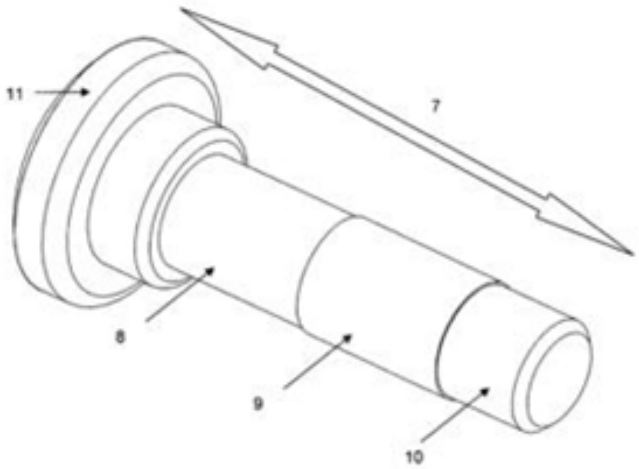


FIGURE 2



0) DE3424501C1 – BYPASS ARRANGEMENT FOR A VOLUMETER

21) Family number: 3708547 (DE3424501C1)

© PatBase

Title:	Bypass arrangement for a volumeter
Priority:	DE19843424501 19840704

Family:

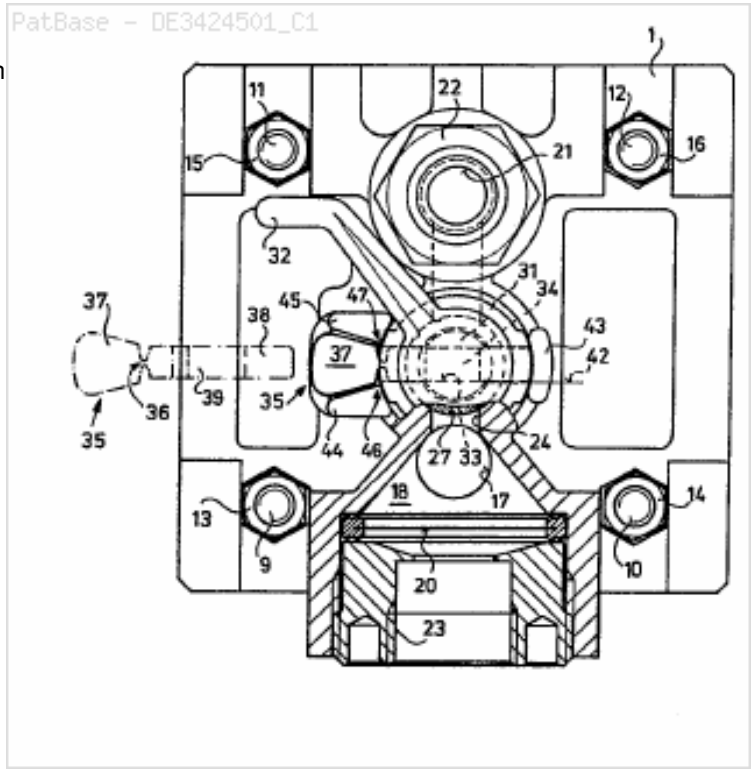
Publication number	Publication date	Application number	Application date
DE3424501 C1	19850829	DE19843424501	19840704

Probable Assignee:	KIENZLE APPARATE GMBH
Assignee(s):(std):	KIENZLE APPARATE GMBH
Assignee(s):	KIENZLE APPARATE GMBH 7730 VILLINGEN SCHWENNINGEN ; KIENZLE APPARATE GMBH 7730 VILLINGEN SCHWENNINGEN DE
Inventor(s):(std):	HAUTVAST HEINZ JOSEF ; KELCH HEINZ
Inventor(s):	KELCH HEINZ 7744 KOENIGSFELD DE ; HAUTVAST HEINZ JOSEF 7734 BRIGACHTAL DE
International class (IPC 8–9):	G01F15/00 G01F15/18 (Advanced/Invention); G01F15/00 (Core/Invention)
International class (IPC 1–7):	G01F15/14 G09F3/03
CPC:	G01F15/007 G01F15/185
European class:	G01F15/00K G01F15/18B

Classification Explorer

Forward Citations: WO04021315, EP1388835, DE29610827,

Abstract:
Source: DE3424501C1 It is proposed to arrange a preferably cylindrical tap cock (27) in a channel body (1) transversely to the bypass channel (24) of a volumeter, to fasten an actuating lever on the shank (31) of which tap cock (27) and to provide an essentially rod–like seal (35) which is divided into two sections (37 and 38) by a predetermined breaking point (36), and one section (38) of which penetrates at least the shank (31) of the tap cock (27), while the other section (37) is mounted between jaws (44 and 45) formed on the channel body (1).



0) CN2802461Y – ANTI–DISASSEMBLIED PROTECTION COVER FOR WATER M...

22) Family number: 33325470 (CN2802461Y) © PatBase

Title: Anti–disassemblied protection cover for water meter

Priority: CN200520084404U 20050621

Family:

Publication number	Publication date	Application number	Application date
CN2802461 Y	20060802	CN200520084404U	20050621

Probable Assignee: SONG GUANGZHONG

Assignee(s):(std)**:** SONG GUANGZHONG

Inventor(s):(std)**:** SONG GUANGZHONG

Inventor(s): GUANGZHONG SONG

International class (IPC 8–9): G01F15/00 G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2802461Y The utility model relates to the technical field of metering apparatus for water supply, particularly disassembly preventing protective cover for a water meter. The utility model comprises a meter cover, the meter cover is provided with a barrel body, both sides of the barrel body are respectively provided with a left and a right protective plates; a hollow cavity formed from the protective plates is connected with the barrel body, and a locking device is arranged on the meter cover. Because the utility model is covered on the water meter and joints of connecting pipelines on both ends of the water meter via the barrel body and the left and the right protective plates, the disassembly of an upper end cover of the water meter can be effectively prevented; the left and the right protective plates are respectively covered on a water inlet joint and a water outlet joint on the left and the right ends of the water meter, and the disassembly of the joints of the connecting inlet pipeline and the connecting outlet pipeline can be effectively prevented. The utility model can fundamentally prevent illegal water users from the theft of water through the way of disassembling water meters.

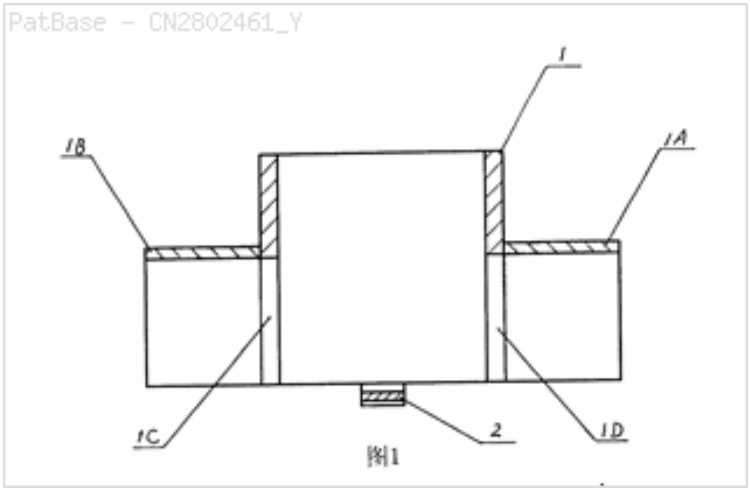


图1

0) CN200974978Y – ANTI–THEFT TYPE GROUND WELL COVER AND OPENING K...

23) Family number: 41134826 (CN200974978Y)

© PatBase

Title: Anti–theft type ground well cover and opening key

Priority: CN200620150092U 20061130

Family:

Publication number	Publication date	Application number	Application date
CN200974978 Y	20071114	CN200620150092U	20061130

Probable Assignee: ZHANG SHIWU

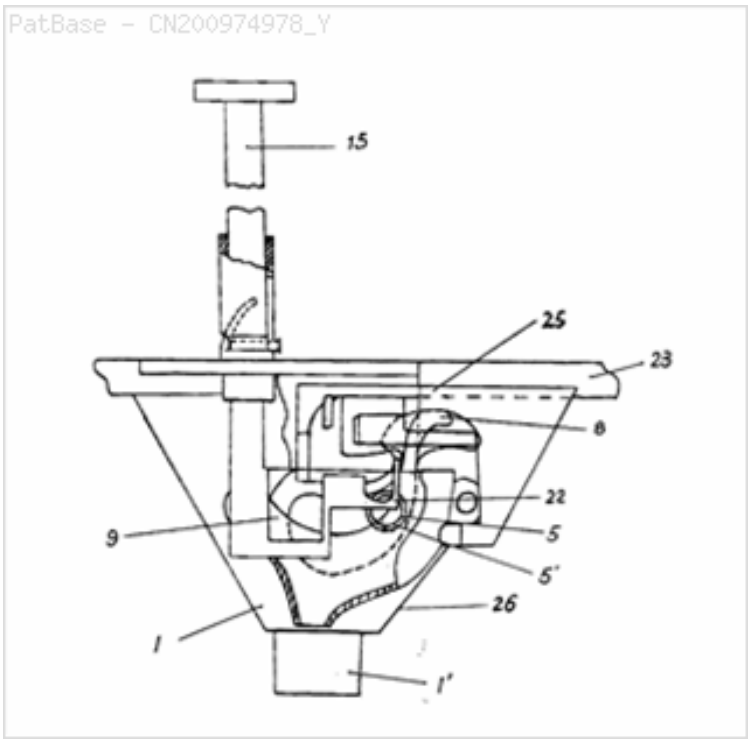
Assignee(s):(std)**:** ZHANG SHIWU

Inventor(s):(std)**:** ZHANG SHIWU

Inventor(s): SHIWU ZHANG

International class (IPC 8–9)**:** E02D29/14 E05B19/00 E05B35/02 E05B65/00 (Advanced/Invention); E02D29/14 E05B19/00 E05B35/00 E05B65/00 (Core/Invention)

Classification Explorer



Abstract:
Source: CN200974978Y The utility model provides a theftproof ground manhole cover, including the ground manhole cover with a key hole, a frame of the ground manhole cover, a lock cover, a lock box comprising a base, a lock core with a shaft hole and a lock core cavity sleeved on the lock core, which is fixed on the lock cover by the shaft drilling through the shaft hole and a locating pin. A back cut edge of the lock core cavity of the lock box is arranged to be the back cut edge opening downwards, which can not be dirty easily and the external side of the lock core of the lock box is provided with an external edge which is convenient for inserting and pulling out the key, the internal side of the shaft hole of the lock core being provided with a reinforcing jacket and a bend protection being arranged at the end of a baffle of the lock box along the key hole of the manhole cover. The base bottom of the lock box is provided with a stopper and the base of the frame of the ground manhole cover is provided with a locating pin pile. The utility model also provides a key with a reinforced head of straight hook for the theftproof ground manhole cover. The effect of the utility model is that the theftproof ground manhole cover of the structure can not be damaged easily and no tools can insert into the manhole cover to open the manhole cover. The safe utility model is fit for a water meter manhole cover, a telecom manhole cover, a fire fighting manhole cover and others.

0) CN105737924A – ANTI–THEFT WATER METER

24) Family number: 62839511 (CN105737924A) © PatBase

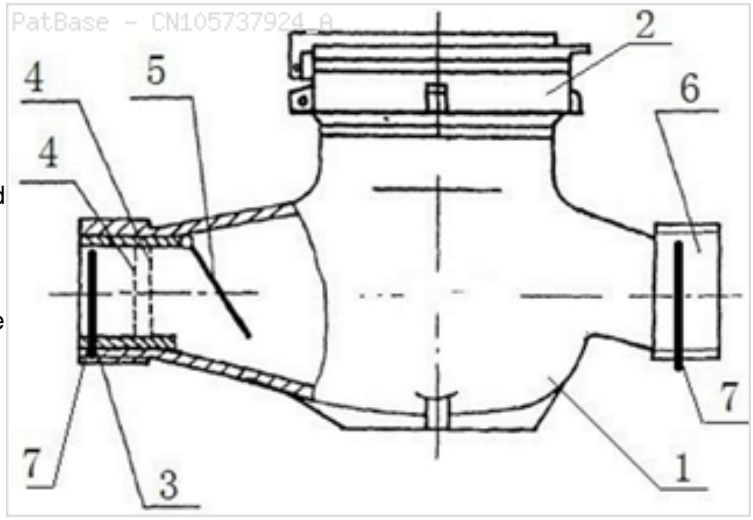
Title:	ANTI–THEFT WATER METER
Priority:	CN201410766147 20141212

Family:

Publication number	Publication date	Application number	Application date
CN105737924 A	20160706	CN201410766147	20141212

Probable Assignee:	XI AN TRIONES DIGITAL INFORMATION CO LTD
Assignee(s):(std)**:**	XI AN TRIONES DIGITAL INFORMATION CO LTD
Assignee(s):	XI AN BIG DIPPER DIGITAL INFORMATION CORP ; XI AN TRIONES DIGITAL INFORMATION CO
Inventor(s):(std)**:**	WU XINCHAO
International class (IPC 8–9):	G01F15/00 G01F15/18 (Advanced/Invention)

Classification Explorer



Abstract:
Source: CN105737924A The invention provides an anti–theft water meter.The anti–theft water meter comprises a pipe section for installing a water meter body.An electric valve is installed at the position, between a water inlet and a water outlet of the pipe section, in the pipe section and connected with a fingerprint recognition module through a data line, and the fingerprint recognition module is fixed to the outer wall of the pipe section and used for controlling power–on or power–off of the electric valve.A power module connected with the electric valve through the fingerprint recognition module is installed on the outer wall of the pipe section.The electric valve and the fingerprint recognition module are installed in the water meter, whether water flow exists in the water meter or not is controlled, and therefore the problem that a water tap installation lock cannot well prevent other people from using water without permission is solved.

0) CN2443342Y – ANTI–THEFT LOCK FOR COMMON METER

25) Family number: 17796530 (CN2443342Y) © PatBase

Title: Anti–theft lock for common meter

Priority: CN20002052512U 20001012

Family:

Publication number	Publication date	Application number	Application date
CN2443342 Y	20010815	CN20002052512U	20001012

Probable Assignee: ZHANG YANMAN

Assignee(s):(std)**:** ZHANG YANMAN

Inventor(s):(std)**:** ZHANG YANMAN ; YANMAN ZHANG

International class (IPC 8–9)**:** G01F15/00 (Advanced/Invention); G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F15/00

Classification Explorer

Forward Citations: CN104565829,

Abstract:
Source: CN2443342Y The utility model relates to an anti–theft lock which is used for tap water meters and gas meters. The anti–theft lock adopts an open type monomer protective sheath structure. A visual protective lock is positioned and fixed in a pinna of the opening of a protecting cover. A protective lock is in a lead seal mode with a fixed sealing line and double lock points and is positioned and fixed in the pinna of the protective sheath by disposable rivets. Therefore, the anti–theft lock can not be opened if no destructive measure is taken. Thus, the utility model fundamentally solves the problems of less lock points on lead seal and easily detached outlaid surface seal, existing on the existing anti–theft devices, and enables energy loss which is caused by that a metering device is inversely placed, and limited water and gas resources in China to be used with compensation.

0) CN204064368U – ANTI–DISASSEMBLY SELF–LOCKING PROTECTIVE DEVICE...

26) Family number: 58168683 (CN204064368U) © PatBase

Title: ANTI–DISASSEMBLY SELF–LOCKING PROTECTIVE DEVICE FOR INTELLIGENT WATER METER

Priority: CN201420376098U 20140709

Family:

Publication number	Publication date	Application number	Application date
CN204064368 U	20141231	CN201420376098U	20140709

Probable Assignee: GUANGZHOU ZHONGKA INTELLIGENCE TECHNOLOGY CO LTD

Assignee(s):(std)**:** GUANGZHOU ZHONGKA INTELLIGENCE TECHNOLOGY CO LTD

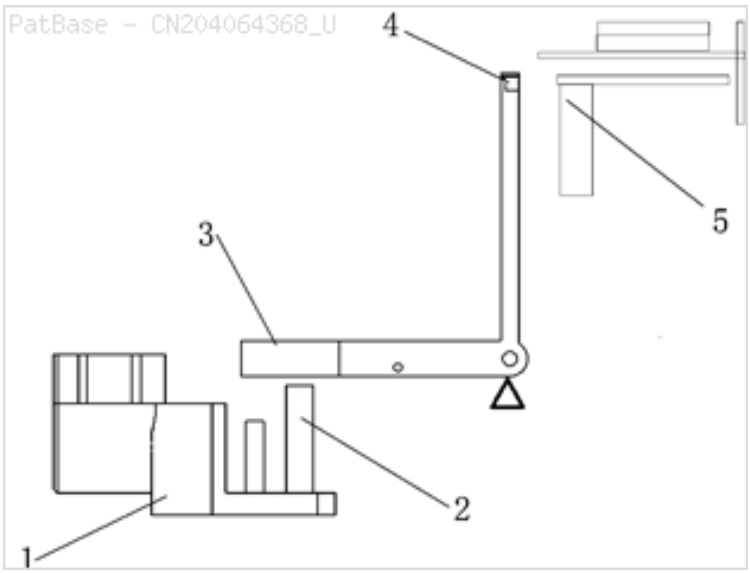
Assignee(s): GUANGZHOU SMART CARD TECHNOLOGY CO LTD ; GUANGZHOU ZHONGKA INTELLIGENCE TECHNOLOGY CO

Inventor(s):(std)**:** WU FENGBO

International class (IPC 8–9): G01F15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN204064368U The utility model discloses an anti–disassembly self–locking protective device for an intelligent water meter. The anti–disassembly self–locking protective device is characterized by comprising a lock catch arranged on the intelligent water meter, wherein a supporting point is arranged on the lock catch and lifts up a transfer bar; magnetic steel is mounted at the other end of the transfer bar; a Hall element is arranged on a control circuit and generates magnetic induction with the magnetic steel; when the magnetic steel is close to the Hall element, level fluctuation is generated at the output end of the Hall element and the output end of the Hall element serves as the control end of a switch valve. The anti–disassembly self–locking protective device solves the problem about privately disassembling the intelligent water meter to steal water, is novel in structure, low in cost and excellent in water anti–theft effect, and provides great convenience for management of a water supply enterprise.



0) US2015022338A – GEO–LOCATION SERVICES

27) Family number: 58338258 (US2015022338A) © PatBase

Title: GEO–LOCATION SERVICES

Priority: US20130847426P 20130717 US20140304797 20140613 US20140326892 20140709
US20140316565 20140626 US20140304805 20140613 US20140304811 20140613
US20140327237 20140709 US20160216694 20160722

Family:

Publication number	Publication date	Application number	Application date
US2015022338 AA	20150122	US20140326892	20140709
US2015022348 AA	20150122	US20140304797	20140613
US2015022365 AA	20150122	US20140327237	20140709
US2015024779 AA	20150122	US20140316565	20140626
US2015024790 AA	20150122	US20140304805	20140613
US2015025790 AA	20150122	US20140304811	20140613
US2017018164 AA	20170119	US20160216694	20160722
US9250085 BB	20160202	US20140304805	20140613
US9417073 BB	20160816	US20140327237	20140709

Probable Assignee: VIVINT INC

Assignee(s):(std)**:** VIVINT INC

Assignee(s): WILMINGTON TRUST NATIONAL ASSOCIATION ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

Inventor(s):(std)**:** WARREN JEREMY B ; NYE JAMES E ; HWANG JUNGTAIK ; EYRING MATTHEW J

Agent(s): HOLLAND AND HART LLP

International class(IPC 8–9)**:** G01C21/20 G01C21/34 G01C21/36 G06Q10/10 G08B21/18 G08B25/10 G08B27/00 G08B5/22 H04W24/00 H04W4/02 H04W4/22 (Advanced/Invention); H04W4/00 (Advanced/Non–invention)

CPC: G08B5/222 G08B25/10 G08B27/00 H04W4/023 G01C21/34 G01C21/362 G06Q10/1095 H04W4/021 H04W4/006 H04W4/026 H04W4/22 G08B21/18 G01C21/20

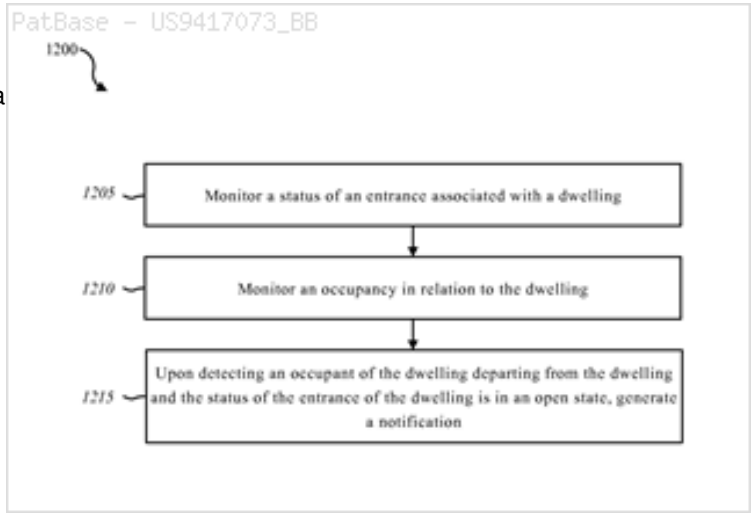
US class: 1/1 340/501 340/539.13 340/687 455/456.2 455/456.6 701/408 701/410 701/411 701/465

Classification Explorer

Cited documents: WO06081816 A1, US9129506 BA, US8849689 BA, US8712810 BB, US8525665 BA, US8521407 BB, US8509732 BA, US8456293 BA, US8165792 BB, US7869941 BB, US7847686 BA, US6591094 BA, US6529723 BA, US6525658 BB, US6400265 BA, US6313743 BA, US6211787 BA, US5790974 A, US2017006204 AA, US2015245189 AA, US2015025790 AA, US2014364081 AA, US2014340218 AA, US2014335814 AA, US2014330904 AA, US2014327540 AA, US2014306802 AA, US2014229099 AA, US2014207375 AA, US2014180710 AA, US2014164043 AA, US2014039839 AA, US2014032433 AA, US2013329527 AA, US2013295872 AA, US2013231864 AA, US2013210464 AA, US2013204153 AA, US2013183924 AA, US2013149986 AA, US2013109404 AA, US2013096813 AA, US2013053653 AA, US2013049954 AA, US2012330710 AA, US2012317615 AA, US2012309364 AA, US2012200711 AA, US2012112633 AA, US2011301841 AA, US2011111786 AA, US2011088003 AA, US2011046920 AA, US2010289644 AA, US2010281312 AA, US2010228473 AA, US2010222099 AA, US2009201147 AA, US2008242319 AA, US2008195312 AA, US2008180240 AA, US2008086455 AA, US2007298772 AA, US2007233582 AA, US2007229350 AA, US2007229249 AA, US2007216535 AA, US2007152837 AA, US2007085684 AA, US2006218244 AA, US2006142880 AA, US2006024020 AA, US2003154399 AA, US2003060979 AA, US2003004776 AA, US2001030664 AA, EP1909069 A1,

Forward Citations: WO16201150, WO16189202, US9521239, US9417073, US9250085, US2016086473, US2015356848, US2015024790, US2014028456,

Abstract:
Source: US2015022338A A method for geo−location services is described. In one embodiment, the method includes monitoring a condition of a user at a location, identifying an emergency situation in relation to the user at the location, and upon identifying the emergency situation, sending a notification message to a predetermined contact, the notification message comprising a temporary code to unlock a door lock at the location within a predetermined time period.



0) CN2529919Y – AUTI–THEFT MANHOLE COVER

28) Family number: 27891729 (CN2529919Y) © PatBase

Title: Auti–theft manhole cover

Priority: CN20022019891U 20020408

Family:

Publication number	Publication date	Application number	Application date
CN2529919 Y	20030108	CN20022019891U	20020408

Probable Assignee: YUAN SHUANGLIN

Assignee(s):(std)**:** YUAN SHUANGLIN

Inventor(s):(std)**:** YUAN SHUANGLIN

Inventor(s): SHUANGLIN YUAN

International class (IPC 8–9): E02D29/14 (Advanced/Invention); E02D29/14 (Core/Invention)

International class (IPC 1–7): E02D29/14

Classification Explorer

Abstract:
Source: CN2529919Y An anti–theft well cover comprises a big cover (3), a small cover (4) and a base frame (2), which are in flat combination. The big cover (3) is hinged with an upper edge of the base frame (2) through the rotating shaft (1), a side of the small cover (4) is hinged with the big cover (3) through a rotating shaft (5) and the small cover (4) is in middle of the big cover (3); a construction of switch is arranged on the big cover (3) and the small cover (4), a set bar (3–1) of the big cover (3) is matched and locked with a croze (2–1) of the base frame (2) and the small cover (4) is locked with the big cover (3). The structure has the functions of anti–theft, anti–disassembly privately, anti–water meter and pipeline moving. The small cover is provided with independent switch, so that the meter reading and look–up can be done easily, the labor content of turning on and off the big cover is reduced and the theft protection is brought into play. The on/off of the big cover has the effect of maintenance on the water meter pipeline conveniently. The anti–theft well cover breaks through the technology of the field, which can completely solve the anti–theft problem of the well cover and avoid the damages and adverse impacts. The well cover has extensive value of application and popularization.

0) CN2530982Y – ANTI–THEFT MANHOLE COVER

29) Family number: 27899787 (CN2530982Y) © PatBase

Title: Anti–theft manhole cover

Priority: CN20022019890U 20020408

Family:

Publication number	Publication date	Application number	Application date
CN2530982 Y	20030115	CN20022019890U	20020408

Probable Assignee: YUAN SHUANGLIN

Assignee(s):(std)**:** YUAN SHUANGLIN

Inventor(s):(std)**:** YUAN SHUANGLIN

Inventor(s): SHUANGLIN YUAN

International class (IPC 8–9): E02D29/14 (Advanced/Invention); E02D29/14 (Core/Invention)

International class (IPC 1–7): E02D29/14

Classification Explorer

Abstract:
Source: CN2530982Y An anti–theft well lid is formed through a horizontal combination of a big lid, a middle lid and an interlock lid, one side of the big lid and the interlock lid is respectively hinged with a base through a rotating shaft and an interlock rotating shaft, two sides of the big lid are respectively provided with a switch lock and a base to cooperate the switch, one side of the middle lid is hinged with the interlock lid through a middle lid rotating shaft, the other side of the middle lid is provided with the switch lock to cooperate the switch with the big lid; the switch locks on both sides of the big lid cooperate with the base so as to lock the big lid, the switch lock of the middle lid is locked with the big lid; in case of a meter checking, only the middle lid is opened, and the middle lid rotates with the middle lid rotating shaft so that the big lid is not necessary to open; the utility model can reduce the labor intensity of meter checkers and avoid private dissembling and shift of water meters and pipelines; the big lid can be all opened for an overhaul; the utility model can reduce the big lid opening labor amount, and achieve anti–theft; the utility model is a breakthrough in this technology field and can thoroughly avoid theft, accidents and other harmful effects, which has a great popularizing and applying value.

30) Family number: 58332719 (CN204117281U) © PatBase

Title: INTELLIGENT WATER METER WITH ANTI–THEFT FUNCTION

Priority: CN201420529914U 20140915

Family:

Publication number	Publication date	Application number	Application date
CN204117281 U	20150121	CN201420529914U	20140915

Probable Assignee: ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD

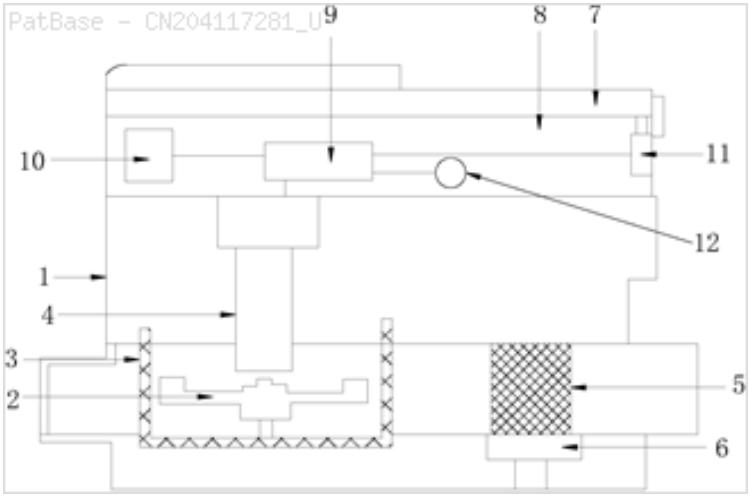
Assignee(s):(std)**:** ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD

Assignee(s): ZHENGZHOU LONGSIN INTELLIGENT ELECTRONIC TECHNOLOGY CO LTD ; ZHENGZHOU LANGXIN INTELLIGENT ELECTRONIC TECHNOLOGY CO

Inventor(s):(std)**:** SONG YALEI

International class (IPC 8–9): G01F15/12 G07F15/10 G08C17/02 (Advanced/Invention)

Classification Explorer



Abstract:
Source: CN204117281U The utility model discloses an intelligent water meter with the anti–theft function and relates to the technical field of intelligent water meters. An impeller is mounted in a housing, a protecting net is arranged on the outer side of the impeller, the upper end of the impeller is provided with a sensor, the water inlet of the housing is provided with a filtering net fixed through seal type bolts, the upper end of the housing is provided with a mounting case provided with a cover plate, and the mounting case is connected and locked through a locking connector; the mounting case is provided with a processor, a battery, a wireless transmitting module inside; a contact switch is mounted on the inner wall of the mounting case, and the contact of the contact switch matches with the bottom of the cover plate; the sensor and the contact switch are connected to the input end of the processor through signal wires, the power end of the processor is connected to the battery, and the output end of the processor is connected to the wireless transmitting module. The intelligent water meter has the advantages that water can be prevented from being stolen, the service life can be prolonged, and operation, usage and cleaning are facilitated.

0) CN2452009Y – ANTI–STEALING WATER WATERMETER COVER

31) Family number: 17803621 (CN2452009Y) © PatBase

Title: Anti–stealing water watermeter cover

Priority: CN20002064135U 20001201

Family:

Publication number	Publication date	Application number	Application date
CN2452009 Y	20011003	CN20002064135U	20001201

Probable Assignee: YINGTAN CITY WATERMETER FACTOR

Assignee(s):(std)**:** YINGTAN CITY WATERMETER FACTOR

Assignee(s): YINGTAN CITY WATERMETER FACTORY JIANGXI PROV

Inventor(s):(std)**:** GUOMIN XU ; XU GUOMIN

International class (IPC 8–9)**:** G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F15/14

Classification Explorer

Forward Citations: CN101886941,

Abstract:
Source: CN2452009Y The utility model provides an anti–stealing water meter cover, which comprises a rotating cover, a convolution preventing lock, and a pin shaft, wherein, the outside of the rotating cover and the outer edge of the convolution preventing lock are provided with corresponding locking holes; a meter casing is provided with a convex object; the inner edge of the convolution preventing lock is provided with a notch corresponding to the convex object; the head part of the lock shaft is composed of a plurality of clamping strips provided with inverted clamping edges, and gaps are reserved between every two clamping strips. When all the clamping strips are extruded together, the outer diameter is slightly smaller than the internal diameter of the locking holes on the convolution preventing lock and the rotating cover. The utility model has the characteristics of simple structure, low cost, good anti–theft performance, etc.

0) CN2748511Y – SLIDE TYPE ANTI–THEFT THERMAL–INSULATING MANHOL...

32) Family number: 32623995 (CN2748511Y) © PatBase

Title: Slide type anti–theft thermal–insulating manhole cover

Priority: CN20042113668U 20041123 CN200420113668U 20041123

Family:

Publication number	Publication date	Application number	Application date
CN2748511 Y	20051228	CN200420113668U	20041123

Probable Assignee: LIU LIANGWEI

Assignee(s):(std)**:** LIU LIANGWEI

Inventor(s):(std)**:** LIU LIANGWEI

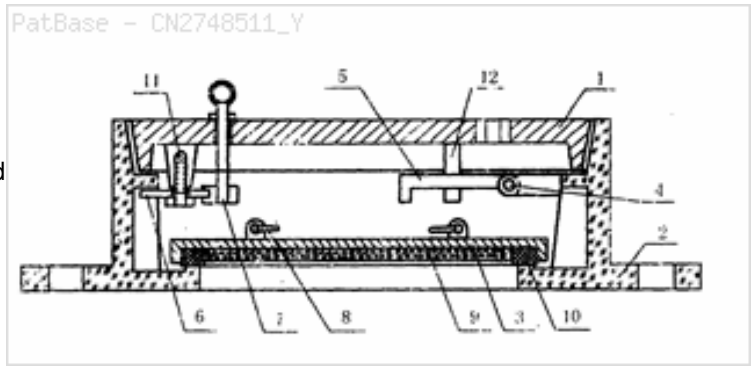
Inventor(s): LIANGWEI LIU

International class (IPC 8–9)**:** E02D29/14 (Advanced/Invention); E02D29/14 (Core/Invention)

International class (IPC 1–7)**:** E02D29/14 E05B65/00

Classification Explorer

Abstract:
Source: CN2748511Y The utility model relates to a slide type anti–theft thermal–insulating manhole cover, belonging to the technical field of the design and manufacture of the manhole cover, and comprising a manhole seat and a manhole cover. The manhole cover is provided with a gear wheel; the gear wheel is provided with a locking plate; a key hole is arranged on the manhole cover near the gear wheel. A movable draw rod is arranged on a movable shaft rod on one side of the manhole seat; an inner thermal–insulating cover is arranged on a built table on the periphery of the inner wall of the manhole seat. The product is applicable to the city sewage manhole and the water meter manhole in the community. The locking plate on the gear wheel can be embedded into a socket of the locking plate by a key to play the anti–theft function. The inner thermal–insulating cover in the lower part can effectively play the anti–freezing function, avoiding the occurrence of the problems that the existing product is not thermal–insulating, and the periphery of the water meter must be spread with the rice husk and sawdust, causing the damage of the meter by the mildew change of the spreading articles. The product has simple structure and reasonable design.



0) CN101345004A – ANTI–THEFT DEVICE FOR ELECTRICITY, WATER, GAS M...

33) Family number: 42861765 (CN101345004A) © PatBase

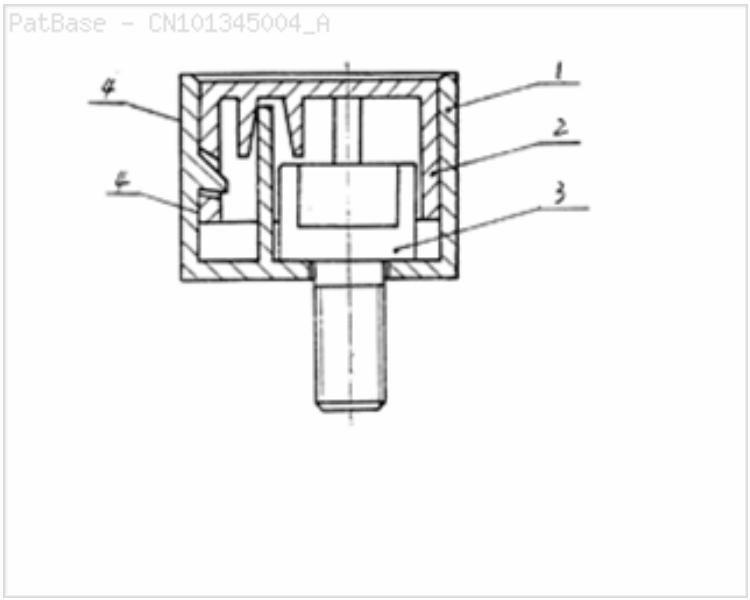
Title:	Anti–theft device for electricity, water, gas meter
Priority:	CN200710058095 20070712

Family:

Publication number	Publication date	Application number	Application date
CN101345004 A	20090114	CN200710058095	20070712

Probable Assignee:	TIANJIN JINNAN KAIDA ELECT CO
Assignee(s):(std):	TIANJIN JINNAN KAIDA ELECT CO
Assignee(s):	TIANJIN JINNAN KAIDA ELECTRONIC CO
Inventor(s):(std):	LIANKAI CUI
Inventor(s):	CUI LIANKAI
International class (IPC 8–9):	G09F3/03 (Advanced/Invention); G09F3/03 (Core/Invention)

Classification Explorer



Abstract:
Source: CN101345004A The invention provides an anti–theft device used for the measurement of an electric meter, a water meter and a gas meter; a locking screw passes through a through hole which is arranged at the bottom of a sleeve and is connected with a sealed body subsequently; a laser holographic code is marked on the internal wall of one side surface of the sleeve and another laser holographic code is marked outside the side surface of the internal core with the same shape; subsequently, with the bottom surface facing upwards, the internal core is inserted along the internal chamber of the sleeve; the laser holographic code marks can be seen from both the two opposite surfaces of the sleeve; a small convex block on the sleeve is clamped after entering the through hole of a elastic sheet on the sleeve; the locking screw is an inverted–T–shaped flat–ended locking screw; two convex plates on the internal core lead the locking screw to be positioned and not to be rotated. The anti–theft device of the invention has the advantages of disposable operation, and reliable anti–counterfeiting, anti–opening and anti–theft.

34) Family number: 54378772 (BRMU9102059U) © PatBase

Title:	DISPOSITIVO SINALIZADOR DE FURTO DE AGUA SIGNAL DEVICE FOR THEFT OF WATER (Machine translation)
Priority:	BR2011MU02059U 20110714

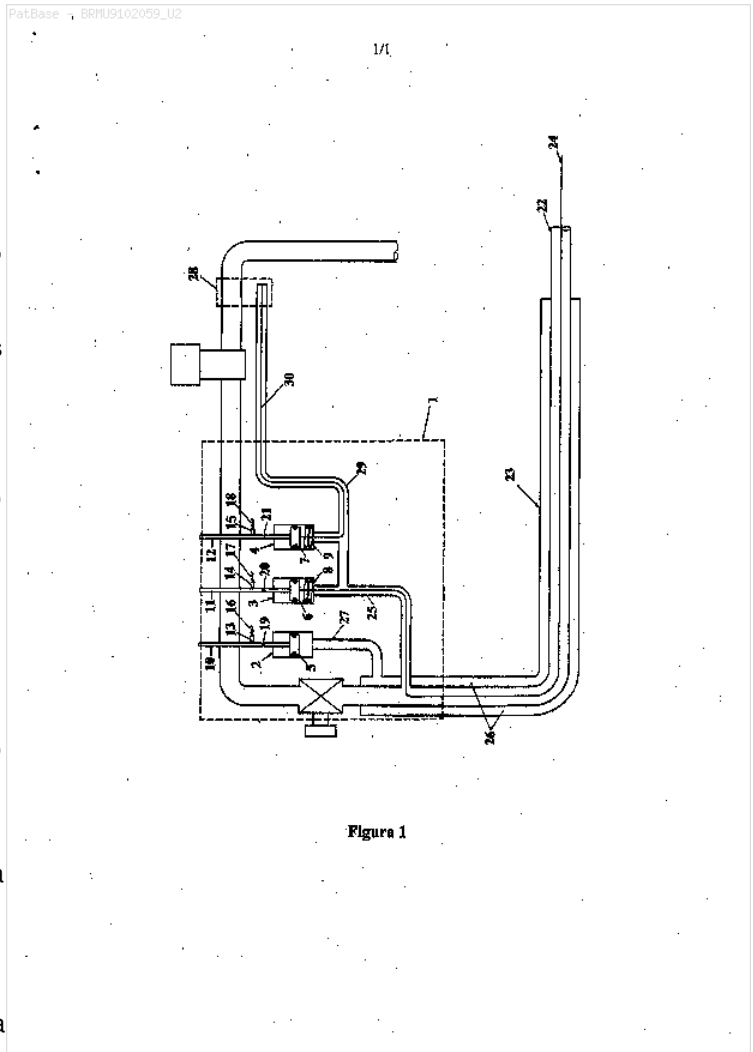
Family:

Publication number	Publication date	Application number	Application date
BRMU9102059 U2	20130716	BR2011MU02059U	20110714

Probable Assignee:	DE OLIVEIRA DJALMA FERNANDES
Assignee(s):(std):	DE OLIVEIRA DJALMA FERNANDES
Assignee(s):	DJALMA FERNANDES DE OLIVEIRA
Inventor(s):(std):	DE OLIVEIRA DJALMA FERNANDES
Inventor(s):	DJALMA FERNANDES DE OLIVEIRA
International class (IPC 8–9):	E05G1/06 E05G1/10 G01F15/18 G01F25/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRMU9102059U 1. DISPOSITIVO SINALIZADOR DE FURTO DE AGUA, caracterizado pelo fato de se constituir basicamente de uma primeira caixa (1), dotada de fechamento magnetico, no interior da qual se abriga conjunto 5 de cilindros (2, 3 e 4), tendo, no interior destes, embolos (5, 6 e 7), sendo dois deles montados sobre molas (8 e 9), tendo ainda, superiormente aos embolos, hastes verticais (10, 11 e 12), que, quando acionadas, sao travadas por pinos (13, 14 e 15), acionados por mola (16, 17 e 18), que se encaixam em rebaixo (19, 20 e 21) localizados nas hastes, sinalizando a tentativa de 10 violacao no fornecimento de agua, sendo que a primeira caixa abriga parte da tubulacao de fornecimento de agua (22) e de seu tubo encapsulador (23), tendo, central e internamente a dita tubulacao de fornecimento de agua, um fio de nylon (24), que se prolonga, atraves de tubo derivador (25), ate um dos cilindros, sendo fixo, por um lado, a mola do seu embolo, e, por outro, 15 na extremidade oposta do dito tubo derivador, de forma que, caso haja uma seccao da tubulacao de fornecimento de agua, o dito fio de nylon se rompe, liberando a mola, deslocando, para cima, o embolo, projetando a haste para fora da dita primeira caixa, sendo travada por pino acionado por mola, sinalizando esta ocorrencia; no caso da tubulacao de fornecimento de agua 20 vir a ser furada, para fixacao, por exemplo, de um tubo derivador, o espaco (26) existente entre a tubulacao de fornecimento e o tubo encapsulador sera inundado pela agua, sendo conduzida, por um tubo derivador (27) do tubo encapsulador, ate outro cilindro, onde deslocara, para cima, o seu embolo, projetando sua haste para fora da dita primeira caixa, sendo travada por 25 pino acionado por mola, sinalizando esta ocorrencia; a trava mecanica do hidrometro e fixa, por uma extremidade, no interior de uma segunda caixa (28), tambem dotada de fechamento magnetico, a qual, por sua vez, esta ligada a um tubo de derivacao (29), o qual se prolonga ate outro cilindro da 2/2 dita primeira caixa, onde se fixa a outra



extremidade da trava mecanica do hidrometro, tendo, central e internamente ao dito tubo de derivacao, um fio de nylon (30), o qual e fixo a mola do embolo do dito cilindro, sendo que, no caso de retirada da segunda caixa e/ou do dito tubo de derivacao que 5 une a primeira e a segunda caixas, o fio de nylon se rompe, liberando a mola e deslocando, para cima, o embolo que projeta a haste para fora da dita primeira caixa,sendo travada por pino acionado por mola, sinalizando esta ocorrencia. 1 . THEFT DEVICE SIGNAL WATER, characterized by the fact that basically constitute a first housing (1), endowed with magnetic closure, inside which lurks set 5 cylinders (2, 3 and 4), and, within these, pistons (5, 6 and 7), two of them being mounted on springs (8 and 9) and also superior to the pistons, vertical rods (10, 11, 12) which, when activated, are locked by pins (13 14, 15) actuated by spring (16, 17, 18), which fit into recess (19, 20, 21) located on the stems, signaling the attempt to rape in 10 water supply, with the first box housing part of the water supply pipe (22) and its enclosing tube (23) having a centrally and inwardly of said water supply pipe, a nylon (24) which extends through splitter tube (25), until one of the rollers being fixed, on the one hand, the spring plunger and the other 15 at the opposite end of said shunt tube, so that if there is a section of the water supply pipe, the said nylon cord ruptures, releasing the spring, moving upwards, the piston, the rod projecting out of said first housing being waged by spring–loaded pin, indicating this occurrence, in the case of water supply pipe 20 come to be drilled for attachment, for example, a tube arrester, the space (26) between the supply pipe and the enclosing pipe will be flooded by the water being driven by a shunt tube (27) enclosing the tube, until another cylinder, which shifted upward, its plunger, a rod projecting out of said first box, being fought by 25 spring–loaded pin, indicating this occurrence, the mechanical lock of the hydrometer and fixed at one end, inside a second housing (28), also equipped with magnetic closure which, in turn, is connected to a bypass pipe (29) which extends to the other cylinder 2/2 said first box, which fixes the other end of the mechanical lock hydrometer having a central, internally to said bypass pipe, a nylon (30), which fixed and spring–loaded piston of said cylinder, and in the case of removal of the second box and / or said bypass pipe 5 that connects the first and second boxes, the nylon yarn breaks down, releasing the spring and moving upwards, the piston rod projecting out from said first housing, and locked by pin spring–loaded, signaling this occurrence.

0) CN2114740U – THEFT–PROOF WATER VALVE

35) Family number: 17561484 (CN2114740U) © PatBase

Title:	THEFT–PROOF WATER VALVE
Priority:	CN19912029012U 19911123

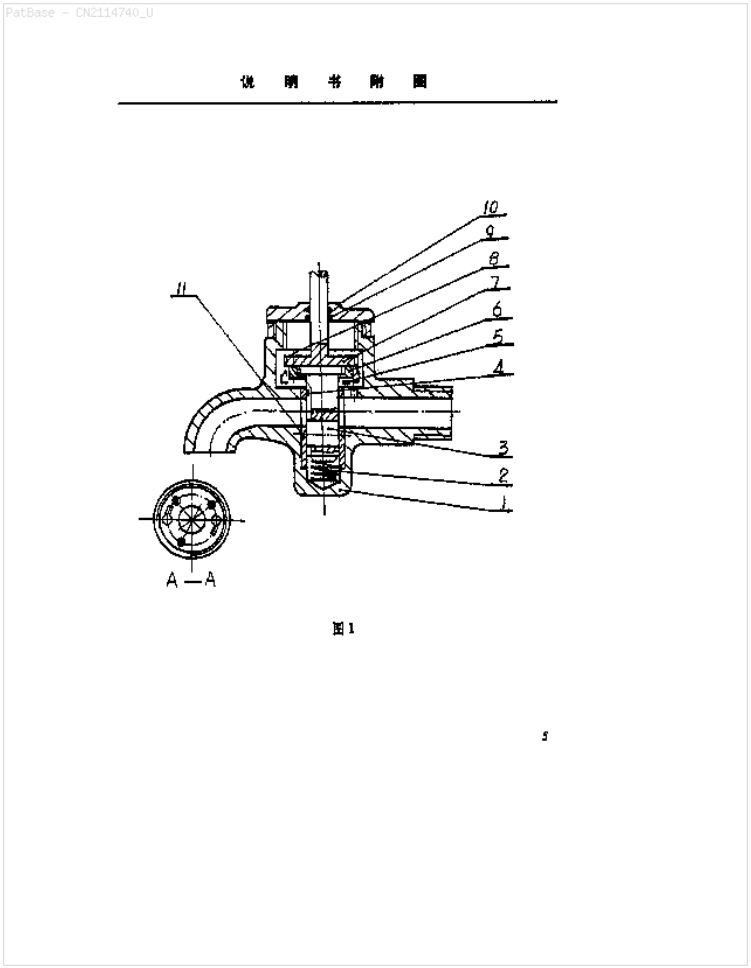
Family:

Publication number	Publication date	Application number	Application date
CN2114740 U	19920902	CN19912029012U	19911123

Probable Assignee:	ZONG ZIYI
Assignee(s):(std)**:**	ZONG ZIYI
Inventor(s):(std)**:**	ZIYI ZONG ; ZONG ZIYI
International class (IPC 8–9)**:**	F16K3/26 (Advanced/Invention); F16K3/00 (Core/Invention)
International class (IPC 1–7)**:**	F16K3/26

Classification Explorer

Abstract:
Source: CN2114740U The utility model discloses the improvement of a valve; the valve core and the valve bar are fixedly connected with each other by bolts through a support core plate. The support core plate has two symmetrical locking holes; when the valve is closed, the two symmetrical locking holes can coincide with an opening and closing key with a T–shaped cross section, and the opening and closing key is fixed on the valve seat. A spring is arranged under the valve core; when the valve is to be used and a water gate is opened, the valve can be lifted up under the action of the spring; the quantity of the water passing through the valve core can immediately reach the starting flow of a water meter, and then record is started. Whereas, when the water valve is closed, the opening and the closing key enters the self locking position of a locking hole; the water flow passage of the valve seat is closed by the valve core, so water can not flow; therefore, the water flow and water meter record can be achieved, and water can not be thieves.



0) CN2530981Y – ANTI–THEFT MANHOLE COVER

36) Family number: 27899786 (CN2530981Y) © PatBase

Title: Anti–theft manhole cover

Priority: CN20022019883U 20020408

Family:

Publication number	Publication date	Application number	Application date
CN2530981 Y	20030115	CN20022019883U	20020408

Probable Assignee: YUAN SHUANGLIN

Assignee(s):(std)**:** YUAN SHUANGLIN

Inventor(s):(std)**:** YUAN SHUANGLIN

Inventor(s): SHUANGLIN YUAN

International class (IPC 8–9)**:** E02D29/14 (Advanced/Invention); E02D29/14 (Core/Invention)

International class (IPC 1–7)**:** E02D29/14

Classification Explorer

Forward Citations: CN102677698,

Abstract:
Source: CN2530981Y An anti–theft well lid is formed through a horizontal combination that the step structure of a middle lid pressing the steps of a left lid and a right lid, wherein the middle part of the lid is also provided with a small lid, both the middle and the small lid are provided with switch lock plunger structures, once the middle lid is locked, the step structure thereof presses the left and the right lids so as to prevent the three lids form opening up, thus the utility model can avoid theft, and private dissembling, shift of water meter and pipelines; the independent switch of the small lid can make the meter reading and checking convenient and reduce the labor amount to open the big lid, and also achieve the anti–theft effect; the utility model is a breakthrough in this technology field and can thoroughly avoid theft, accidents and other harmful effects, which has a great popularizing and applying value.

0) CN2586732Y – SAFETY ANTI–THEFT MANHOLE COVER

37) Family number: 29595969 (CN2586732Y) © PatBase

Title: Safety anti–theft manhole cover

Priority: CN20022081565U 20021204

Family:

Publication number	Publication date	Application number	Application date
CN2586732 Y	20031119	CN20022081565U	20021204

Probable Assignee: ZHOU JIAN

Assignee(s):(std)**:** ZHOU JIAN

Inventor(s):(std)**:** ZHOU JIAN

Inventor(s): JIAN ZHOU

International class (IPC 8–9): E02D29/14 (Advanced/Invention); E02D29/14 (Core/Invention)

International class (IPC 1–7): E02D29/14

Classification Explorer

Abstract:
Source: CN2586732Y The utility model relates to a safe theftproof lining well cover. A lining well cover body is provided with a handle and a lock nose via hole, and a lock nose on a baffle plate is fixed by a lock after the lock nose via hole is penetrated through the lining well cover body. The utility model can be arranged at the lower part of the well cover and locked by the lock, and therefore, the utility model can effectively prevent water meters, valves and other remote transmission equipment from being smashed by debris and being stolen.

0) CN100335832C – PRESSURE LOCKED JOINT FOR ONE–TIME THREAD CONNE...

38) Family number: 32815122 (CN100335832C) © PatBase

Title: Pressure locked joint for one–time thread connection

Priority: CN200510060343 20050805

Family:

Publication number	Publication date	Application number	Application date
CN100335832 C	20070905	CN200510060343	20050805
CN1740621 A	20060301	CN200510060343	20050805

Probable Assignee: ZHANG KANGSHENG

Assignee(s):(std)**:** ZHANG KANGSHENG

Inventor(s):(std)**:** ZHANG KANGSHENG

Inventor(s): KANGSHENG ZHANG

International class (IPC 8–9): F16L15/08 (Advanced/Invention); F16L15/00 (Core/Invention)

Classification Explorer

Forward Citations: CN102454855,

Abstract:
Source: CN100335832C The pressure locked joint for one–time thread connection includes outer screw sleeve and inner screw sleeve fitting mutually. The inner screw sleeve has inner thread and has the first annular notch, the second annular notch, the third annular notch and outward flange with cut edge successively in the outer wall; and the outer screw sleeve has the first annular notch, reduced transition inner cone, the second annular notch and inward flange with cut edge successively in the inner wall. The inner screw sleeve has its first annular notch located in front of the outer screw sleeve with one open–mouthed limit ring capable of being drawn out inserted, and its second annular notch matched with the first annular notch of the outer screw sleeve with one elastic metal ring in between. The outward flange and the inward flange have their cut edges meshed each other. The present invention is suitable for anti–theft gas meter and anti–theft water meter.

0) JP3081315U – PLUMBING FITTINGS (MACHINE TRANSLATION)

39) Family number: 42359133 (JP3081315U) © PatBase

Title: Plumbing fittings (Machine translation)

Priority: JP20010002477U 20010424

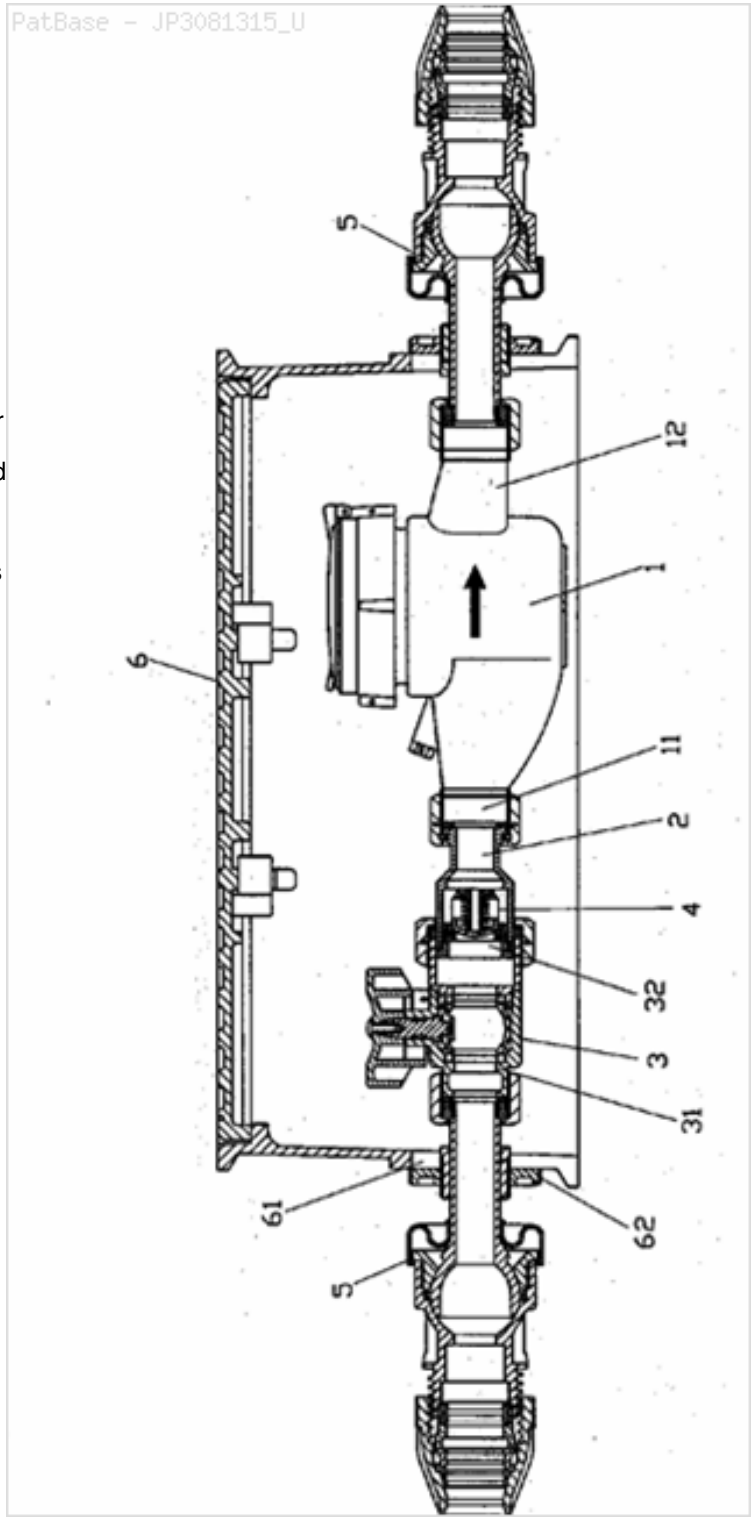
Family:

Publication number	Publication date	Application number	Application date
JP3081315 U	20011102	JP20010002477U	20010424

International class (IPC 1–7): E03B7/04 F16L25/00 F16L27/12

Abstract:
Source: JP3081315U

Machine translation: [summary] To provide a pipe joint to prevent rupture of the body tube up and down left and right corresponds to the variation caused by the earthquake crust [challenge], and to prevent water theft. with piping joint according to claim, and a water meter, and two telescopic tube, and water shutoff valve body 3, and 4 nonreturn valve, and a flexible tube 5, to 11 water outlet of a water meter one end of the telescopic tube 2 is installed, water outlet 32 on one end of the body 3 and the water shutoff valve nonreturn valve 4 is installed another of stretchy tube 2. Launch of a water meter to port 12 and port 31 is the launch of the three main water shutoff valve is installed flexible tube 5, respectively. 5 flexible tube that has a waterproof straight pipe pressure parts, one lock, one cover, and fixed base, fixed base inner edge of the arc corresponds to the surface, a spherical one stop to lock and fixed base units, parts waterproof pressure is placed on the fixed base end, one tube of the body cover is fitted to each other.



0) WO0014876A1 – A REMOTE CONTROLLER FOR MULTIPATH SMART SWITCHE...

40) Family number: 15682902 (WO0014876A1) © PatBase

Title: A REMOTE CONTROLLER FOR MULTIPATH SMART SWITCHES AND A SMART MULTI–PURPOSE MANAGEMENT SYSTEM FOR RESIDENCES

Priority: CN19981017743 19980904 CN19981020653 19981021 WO1999CN00136 19990906

Family:

Publication number	Publication date	Application number	Application date
AU199956154 A1	20000327	AU19990056154	19990906
AU199956154 A5	20000327	AU19990056154	19990906
CA2382920 AA	20020221	CA19992382920	19990906
CN1220519 A	19990623	CN19981020653	19981021
CN1224277 A	19990728	CN19981017743	19980904
CN1322401 A	20011114	CN19998011729	19990906
WO0014876 A1	20000316	WO1999CN00136	19990906

Probable Assignee: HE XINMIN

Assignee(s):(std)**:** HE XINMIN ; YUMIN ZHANG ; ZHANG YUMIN ; ZHAO AINONG

Inventor(s):(std)**:** AINONG ZHAO ; HE XINMIN ; XINMIN HE ; YUMIN ZHANG ; ZHANG YUMIN ; ZHAO AINONG

Agent(s): OGILVY RENAULT LLP SENCRL SRL

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 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 ZA ZW

International class (IPC 8–9): H03K17/00 H03K17/94 (Advanced/Invention); H03K17/00 H03K17/94 (Core/Invention)

International class (IPC 1–7): H03K17/00

CPC: H03K17/941

European class: H03K17/94L

Classification Explorer

Cited documents: CN85205668 U, CN85204427 U, CN2252454 Y, CN2206010 Y, CN2169949 Y, CN2088309 U,

Abstract:
A remote controller for multipath smart switches and a smart multi–purpose management system for residences comprising a remote controller, a principal controller, a pronunciation box, an infrared ray receiving means, an automatically detecting means and turning off means are disclosed. Both of the remote controller and the principal controller include a programmable controller respectively. There are smart and non–smart type of the smart multipurpose management system according to different natures of the controlling means and the data collecting means. Two systems of type are operated in a broadcasting and a non–broadcasting modes respectively during communications. Also the functions of the systems can be increased or decreased to construct a subsystem for supplying water, a subsystem for recognizing an electrical cipher lock and a subsystem for reading a water meter and so on, when necessary.

PatBase - WO0014876_A1

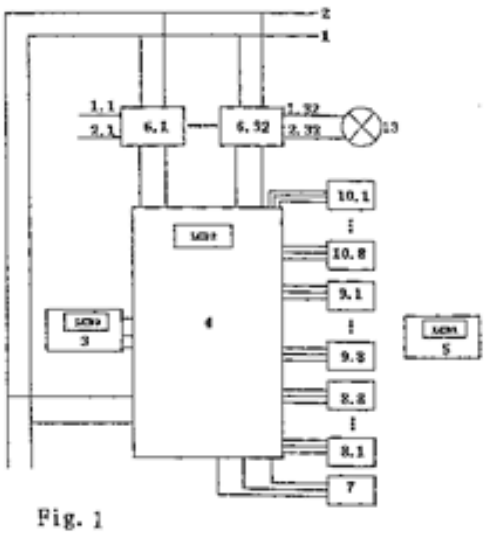


Fig. 1

0) CN2283289Y – THEFT–PROOF ENCRYPTED SEALING STAMP

41) Family number: 16359730 (CN2283289Y)

© PatBase

Title: Theft–proof encrypted sealing stamp

Priority: CN19962038264U 19960828

Family:

Publication number	Publication date	Application number	Application date
CN2283289 Y	19980603	CN19962038264U	19960828

Probable Assignee: LIN HONGJIN

Assignee(s):(std)**:** LIN HONGJIN

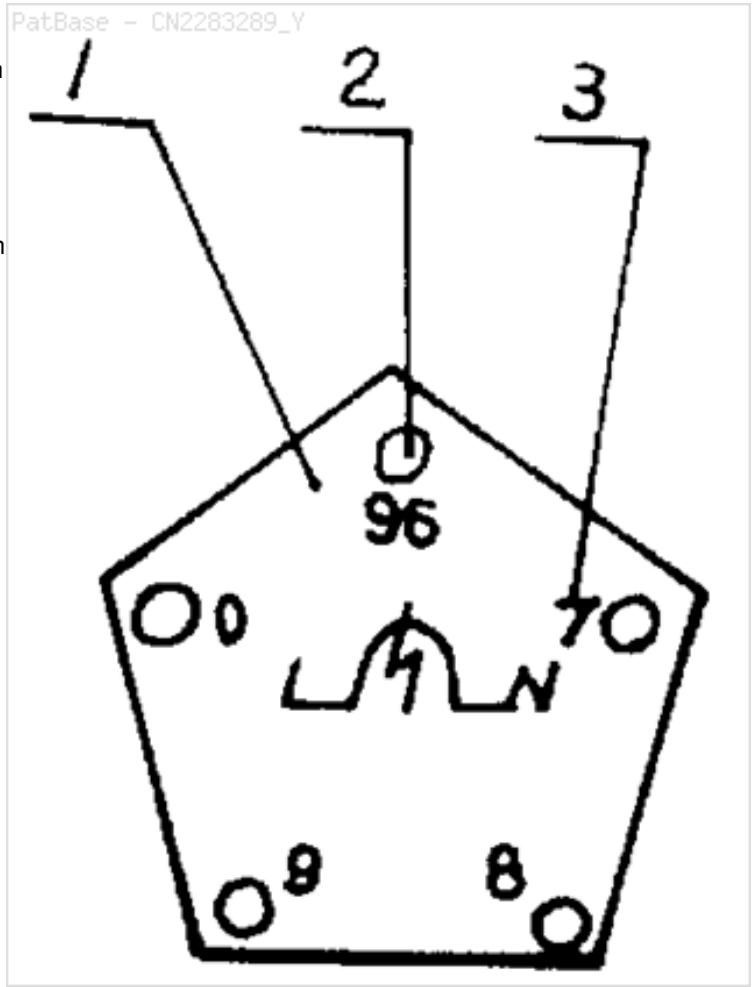
Inventor(s):(std)**:** DONG YANQUN ; DONGYE LI ; JIN ZHE ; LI DONGYE ; YANQUN DONG ; ZHE JIN

International class (IPC 8–9)**:** G09F3/02 G09F3/03 G09F7/02 (Advanced/Invention); G09F3/02 G09F3/03 G09F7/02 (Core/Invention)

International class (IPC 1–7)**:** G09F3/02 G09F3/03 G09F7/02

Classification Explorer

Abstract:
Source: CN2283289Y The utility model relates to a theft–proof encrypted sealing stamp which belongs to the technical field of theft–proof arrangement. A seal card of the utility model is polygonal, or quadrate or circular, and a plurality of digitals and circular holes representing the year are homogeneously distributed around the seal card. One end of a sealing twine is provided with a seal lock which is provided with a tapered square hole and a clamping tongue with teeth, the seal lock is connected to a sheet which is printed with digitals that representing the month, and the sheet is connected to the sealing twine with teeth; the seal lock of the sealing twine, the sheet and the sealing twine with teeth are in integration. The utility model has the advantages of simple structure and low cost, and is suitable for using on electric meters, measuring boxes, gas meters and water meters.



42) Family number: 50068173 (IN03486CH2011A)

© PatBase

Title: METHOD AND APPARATUS FOR MEASURING FUEL TO PREVENT FUEL FRAUD AND THEFT

Family:

Publication number	Publication date	Application number	Application date
IN03486CH2011 A	20111202	IN2011CH03486	20111010

Probable Assignee: DR JOSEPH JABIN

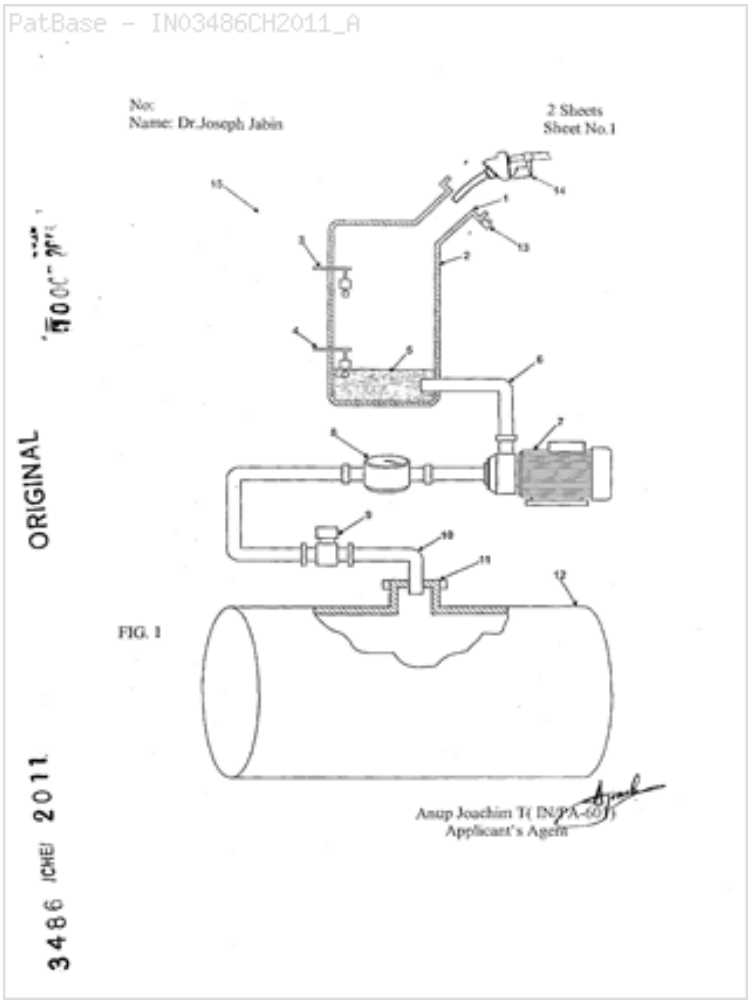
Assignee(s): DR JOSEPH JABIN

Inventor(s): DR JOSEPH JABIN

International class (IPC 8–9): B60R25/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: IN03486CH2011A An apparatus which is provided with an auxiliary fuel collector tank fitted via feed pipes to acentrifugal pump which draws the fuel at regular intervals and passes it through a fluid flow meter to measures and register automotive fuel in order to check and prevent furl fraud and theft.



0) DE2719209A1 – VORRICHTUNG ZUR BEGRENZUNG DES KRAFTSTOFFVERBRA...

43) Family number: 1648807 (DE2719209A1) © PatBase

Title: VORRICHTUNG ZUR BEGRENZUNG DES KRAFTSTOFFVERBRAUCHS BEI EINEM KRAFTFAHRZEUG VEHICLE FUEL ECONOMY SYSTEM – HAS AIR AND FUEL RESTRICTORS ADJUSTED BY PROGRAMMED STEP MOTORS WHICH RECEIVE SIGNALS FROM PULSE TRANSMITTERS

Priority: DE19772719209 19770429

Family:

Publication number	Publication date	Application number	Application date
DE2719209 A1	19781109	DE19772719209	19770429

Probable Assignee: ZANKL GUENTHER

Assignee(s):(std)**:** ZANKL GUENTHER

Inventor(s):(std)**:** KOHL ROLAND ; ZANKL GUENTHER

International class (IPC 8–9)**:** B60K26/00 G01F9/00 (Advanced/Invention); F02B3/06 (Advanced/Non–invention); B60K26/00 G01F9/00 (Core/Invention); F02B3/00 (Core/Non–invention)

International class (IPC 1–7)**:** B60K26/00

CPC: B60K26/00 F02B3/06 G01F9/001

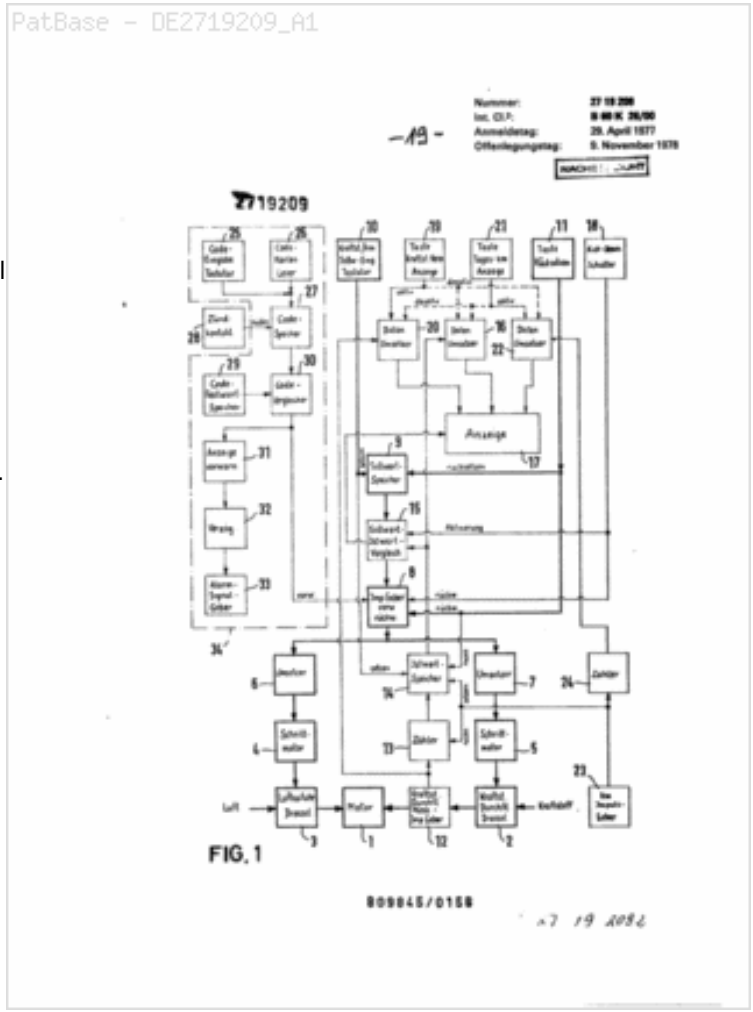
European class: B60K26/00 G01F9/00A R02B3/06

Classification Explorer

Forward Citations: EP0081630, DE3138371, DE19616620, AP487,

Abstract:
Source: DE2719209A1 Vorrichtung zur Begrenzung des Kraftstoffverbrauchs bei einem Kraftfahrzeug, gekennzeichnet durch einen Eingabeteil (10) fuer den Sollwert des kilometerbezogenen Kraftstoffver brauchs, einen mit dem Eingabeteil (10) verbundenen und von diesem setzbaren Sollwert−Speicher (9), eine im Kraftstoff weg angeordnete Xraftstoffdurchflussdrossel (2) und eine im Luftaisaugweg angeordnete Luftansaugdrossel (3), die beide entsprechend dem im Sollwert−Speicher (9) eingespeicherten Sollwert einstellbar sind. The air intake and fuel feed line are both provided with restrictors varied by individual step motors. The respective step motors receive their impulses from an impulse transmitter giving positive or negative impulses, to open or close the valves. The desired fuel mileage ration consumption can be fed to a storage unit. A set back switch is provided to cancel the storage information and open both restrictor valves. The set back switch must be actuated before a new fuel mileage ratio is selected.

PatBase - DE2719209_A1



0) CN2442253Y – INTEGRATED THERMAL FLOWMETER

44) Family number: 17062607 (CN2442253Y) © PatBase

Title: Integrated thermal flowmeter

Priority: CN20002051309U 20000904

Family:

Publication number	Publication date	Application number	Application date
CN2442253 Y	20010808	CN20002051309U	20000904

Probable Assignee: LI YUJIE

Assignee(s):(std)**:** LI YUJIE

Inventor(s):(std)**:** LI YUJIE ; YUJIE LI

International class (IPC 8–9)**:** G01K17/16 (Advanced/Invention); G01K17/00 (Core/Invention)

International class (IPC 1–7)**:** G01K17/16

Classification Explorer

Abstract:
Source: CN2442253Y The utility model relates to an integrated thermal flow meter, which is composed of an influent water temperature sensor arranged in a meter shell, a central processor, a return water temperature sensor, a liquid crystal display, a flow transmitting device, a data communication interface, a micro switch, etc. The influent water temperature sensor and the return water temperature sensor transfer heat information to the central processor; a dry spring tube arranged on the flow transmitting device transfers flow information to the central processor; the heat information and the flow information are displayed by a liquid crystal display after processed by the central processor. Locks arranged in a meter shell lock valves in the meter shell and a water return pipeline. A micro switch arranged in the meter shell transfers the opened or closed information of the meter shell to the central processor. The utility model is an integrated thermal flow meter with compact structure and theft protection function.

0) CN2878854Y – PRESSURE LOCK JOINT FOR DISPOSABLE THREADED CON...

45) Family number: 34348434 (CN2878854Y)

© PatBase

Title:	Pressure lock joint for disposable threaded connection
Priority:	CN200520013922U 20050805

Family:

Publication number	Publication date	Application number	Application date
CN2878854 Y	20070314	CN200520013922U	20050805

Probable Assignee:	ZHANG KANGSHENG
Assignee(s):(std):	ZHANG KANGSHENG
Inventor(s):(std):	ZHANG KANGSHENG
Inventor(s):	KANGSHENG ZHANG
International class (IPC 8–9):	F16L15/08 (Advanced/Invention); F16L15/00 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2878854Y A lock–up connector for one–time thread connection comprises an inner turnbuckle (2) and an outer turnbuckle (1) mutually fitted, wherein the internal wall of the inner turnbuckle (2) is provided with interior thread,the external wall is provided with a first annular groove(21), a second annular groove(22) and a third annular groove(23) in sequence from fore to rear, and an outward flange with edge–cutting (24)is arranged at the rear of the third annular groove(23); the internal wall of the outer turnbuckle is provided with a first annular groove(11) and a second annular groove(12) in sequence from fore to rear,and an inward flange (13) is arranged at the rear of the second annular groove(12), the first annular groove(11) is transited to the second annular groove(12) through a inner cone shrinking from fore to rear; the first annular groove(21) of the inner turnbuckle is arranged at the front end face of the outer turnbuckle (1) and is provided with an embedded pull–out split spacing ring (4), the second annular groove of the inner turnbuckle is opposite to the first annular groove(11) of the outer turnbuckle and is provided with a flexible metal wire ring (3);the outward flange (24) and the inward flange (13) are fitted and matched to respective edge–cuttings and present an engagement status. The utility model is applicable to anti–theft gas meter and anti–theft water meter.

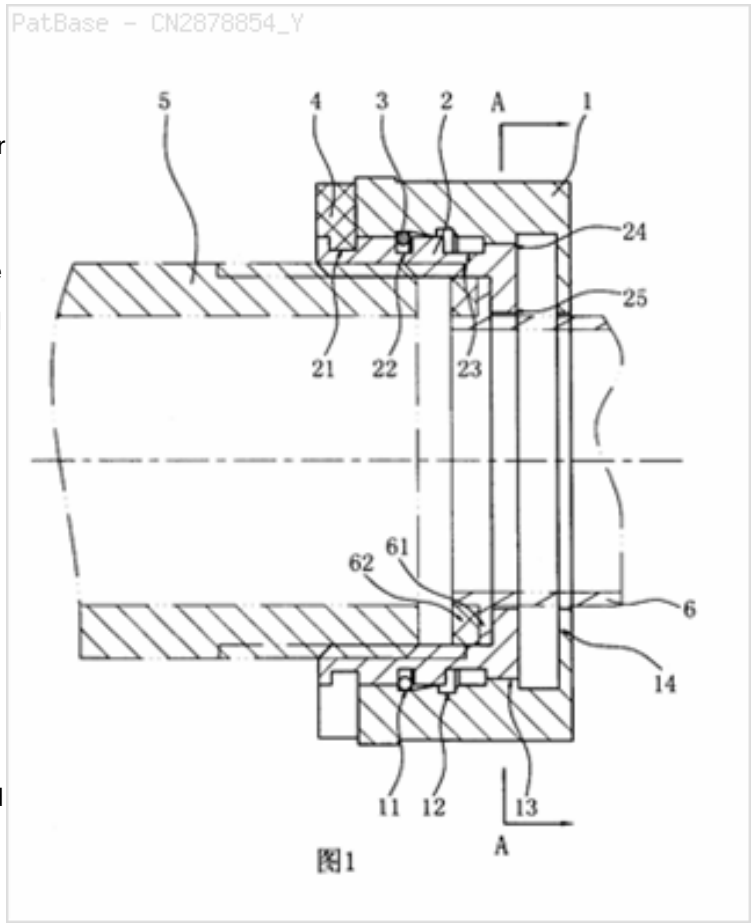


图1

0) GB2507781B – IMPROVED SECURITY ATTACHMENT SYSTEM

46) Family number: 52842482 (GB2507781B)

© PatBase

Title: IMPROVED SECURITY ATTACHMENT SYSTEM

Priority: GB20120020209 20121109

Family:

Publication number	Publication date	Application number	Application date
GB201220209 A0	20121226	GB20120020209	20121109
GB2507781 A1	20140514	GB20120020209	20121109
GB2507781 B2	20160525	GB20120020209	20121109

Probable Assignee: FAROUSE DESIGN LTD

Assignee(s):(std)**:** FAROUSE DESIGN LTD

Inventor(s):(std)**:** COLIN JOHN ROUSE ; FARR PHILIP WILLIAM ; PHILIP WILLIAM FARR ; ROUSE COLIN JOHN

International class (IPC 8–9)**:** F16B41/00 (Advanced/Invention)

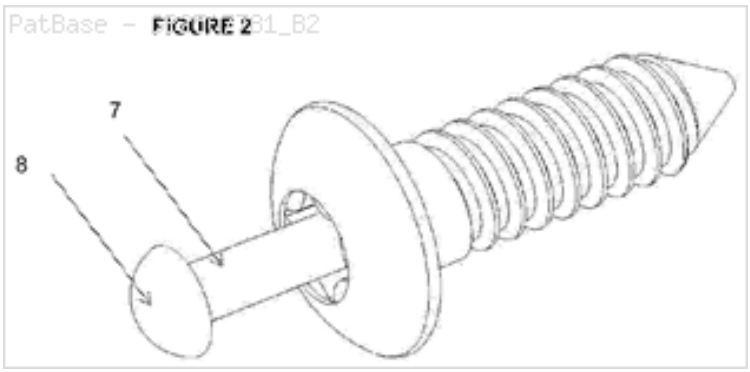
CPC: F16B41/005

Classification Explorer

Cited documents: GB2474011 A1, GB2435082 A1,

Forward Citations: CN104947551,

Abstract:
Source: GB2507781A An attachment system comprises a hollow screw with a bore having a recessed head containing means for applying the screw. A locating pin 7 is locatable within the bore and has a head 8 which is flush or sub flush with the head of the screw to cover the means for applying the screw.



0) CN2856394Y – ANTITHEFT, ANTI CRACKING BOX OF WELLHEAD DEVICE...

47) Family number: 34132581 (CN2856394Y)

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Title: Antitheft, anti cracking box of wellhead device

Priority: CN200620020154U 20060123

Family:

Publication number	Publication date	Application number	Application date
CN2856394 Y	20070110	CN200620020154U	20060123

Probable Assignee: LIU XINGHAI

Assignee(s):(std)**:** LIU XINGHAI

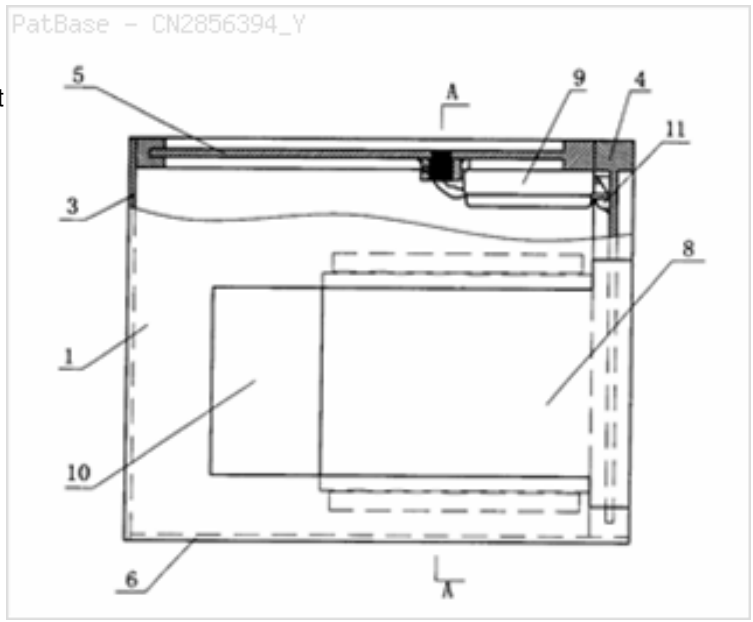
Inventor(s):(std)**:** LIU XINGHAI

Inventor(s): XINGHAI LIU

International class (IPC 8–9): E21B33/03 (Advanced/Invention); E21B33/03 (Core/Invention)

Classification Explorer

Abstract:
Source: CN2856394Y The utility model relates to a theft–proof smash–proof box. The box is composed of a front board, a back board, a left board, a right board, a top board and a bottom board and equipped with a lock. The front board, back board, left board and the bottom board is an entire body with slots on the inner side of the top; the right board and the top board is coupled to the body formed by the front, back, left and bottom board through the slots; on the front and back board, through holes are formed with slots processed on its top and bottom inner sides for inserting small plug–in boards. The top and right board are interlocked with the box body formed by the front, back, left and bottom board by inserting, thereby the whole box body is closed without any prisable site. The utility model achieves the advantages of convenient mounting and demounting and good effect in theft protection and smash protection, and solves the problems that the pressure gauges and water meters is easily smashed for theft since exposed on the well mouth.



0) CN201555619U – TAP WATER ANTI–THEFT DEVICE

48) Family number: 46672851 (CN201555619U)

© PatBase

Title:	Tap water anti–theft device
Priority:	CN200920162160U 20090630

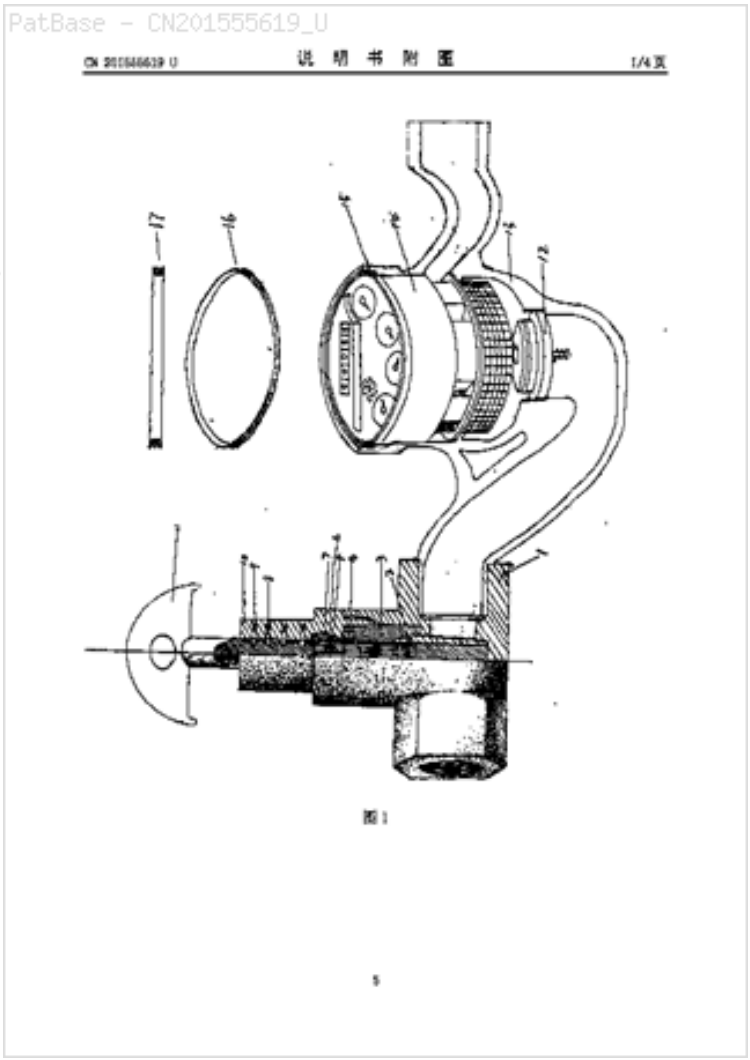
Family:

Publication number	Publication date	Application number	Application date
CN201555619 U	20100818	CN200920162160U	20090630

Probable Assignee:	YIHONG LI
Assignee(s):(std):	YIHONG LI
Assignee(s):	LI YIHONG
Inventor(s):(std):	YIHONG LI
Inventor(s):	LI YIHONG
International class (IPC 8–9):	G01F15/00 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CN201555619U The utility model relates to a tap water anti–theft device for an unsealing crystal and damaging gauge assembly when a tap water gauge meters reversely and repeatedly and is characterized in that a locking valve and a snakelike runner are internally provided with check valve water meter connecting bodies so as to prevent from reverse and repeated metering of the gauge. The gauge is embedded into the meter body to seal the gauge assembly through a crystal one–off pressure cap, the flexibility of the snakelike runner achieves the level that the metal wire can not enter the metering–assembly, thus increasing the anti–theft performance.



0) DE202010007240U1 – EINFUELLKONTROLLZAEHLER FUER HEIZOEL UND DIESEL...

49) Family number: 47093376 (DE202010007240U1) © PatBase

Title: Einfuellkontrollzaehler fuer Heizoel und Dieselkraftstoffe Filler control counter for fuel oil and Diesel fuels (Machine translation)

Priority: DE201020007240U 20100526

Family:

Publication number	Publication date	Application number	Application date
DE202010007240 U1	20100930	DE201020007240U	20100526

Probable Assignee: HABERMANN KLAUS

Assignee(s):(std)**:** HABERMANN KLAUS

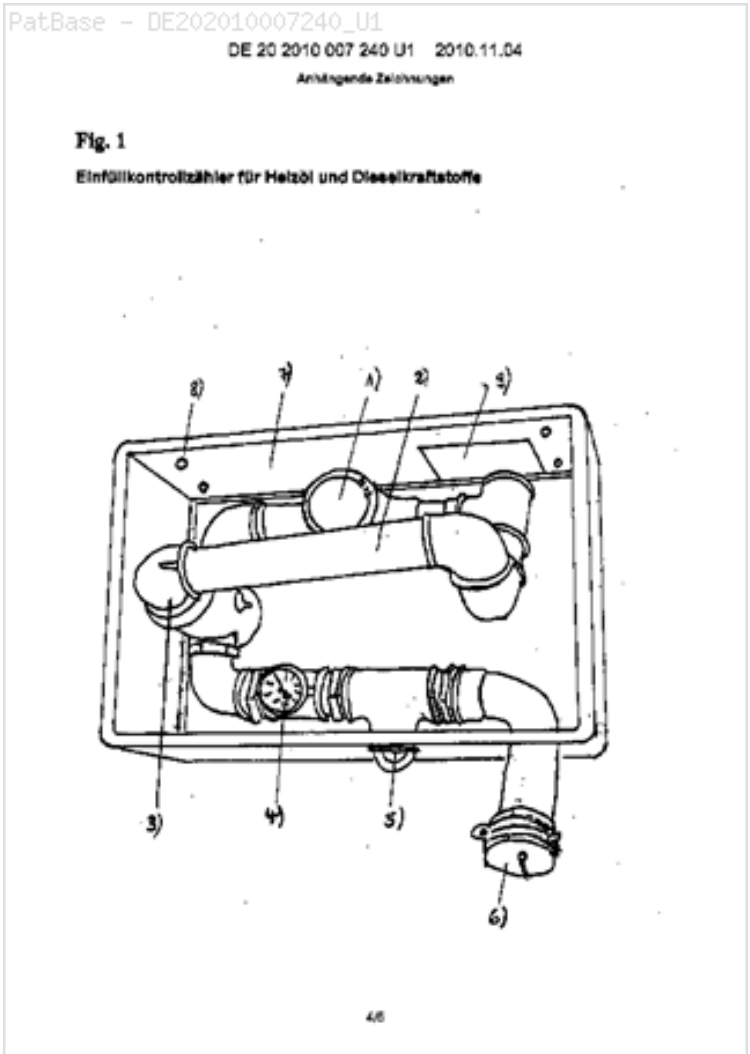
International class (IPC 8–9): G01F15/02 G01F15/06 G01F15/18 (Advanced/Invention)

CPC: G01F15/02

European class: G01F15/02

Classification Explorer

Abstract:
Source: DE202010007240U1 (Claim 1) 1. Einfuellkontrollzaehler fuer Heizoel und Dieselkraftstoffe, dadurch gekennzeichnet, dass die komplette Kontrollzaehlereinheit nicht nur die tatsaechliche Fuellmenge mit einem umgebauten und damit deutliche Kostenvorteile realisierenden Hauswasserzaehler misst und kontrolliert sondern die bekannten Manipulationsverfahren wie Luftbeimischungen und Temperatur– und damit Volumenaenderungen erkennt und neutralisiert. (Claim 1) 1. Filler control counter for fuel oil and Diesel fuels, by the fact characterized that the complete control counter unit measures not only the actual amount of filling with converted and thus clear cost advantages realizing house water meter and controlled separates the well–known manipulation procedures such as air admixtures and temperature and thus variations in volume recognizes and neutralizes.



0) CN1149166A – SEAL FOR PREVENTING THIEVES

50) Family number: 11923963 (CN1149166A) © PatBase

Title: Seal for preventing thieves

Priority: CN19961015561 19960828

Family:

Publication number	Publication date	Application number	Application date
CN1149166 A	19970507	CN19961015561	19960828

Probable Assignee: LIN HONGJIN

Assignee(s):(std)**:** LIN HONGJIN

Inventor(s):(std)**:** JIN ZHE ; LI DONGYE ; DONG YANQUN

Inventor(s): DONGYE LI ; YANQUN DONG ; ZHE JIN

International class (IPC 8–9): G09F3/02 G09F3/03 G09F7/02 (Advanced/Invention); G09F3/02 G09F3/03 G09F7/02 (Core/Invention)

International class (IPC 1–7): G09F3/02 G09F3/03 G09F7/02

Classification Explorer

Abstract:
Source: CN1149166A An anti–theft encrypted sealing suitable for kilowater–hour meter, metering box, gas meter and water meter has a sealing label in polygonal, square or circular shape with numerals representing year and holes uniformly distributed on its edge, toothed sealing wire, sealing lock connected to one end of sealing wire and with conic square hole and toothed clamp, and thin plat representing month. The aboved mentioned sealing wire, sealing lock and thin plat are connected together.

51) Family number: 16316508 (CN2277063Y)

© PatBase

Title: Laser holographic anti–forge anti–opening coding seal

Priority: CN19962043509U 19961009

Family:

Publication number	Publication date	Application number	Application date
CN2277063 Y	19980325	CN19962043509U	19961009

Probable Assignee: REN CHANGZHAO

Assignee(s):(std)**:** REN CHANGZHAO

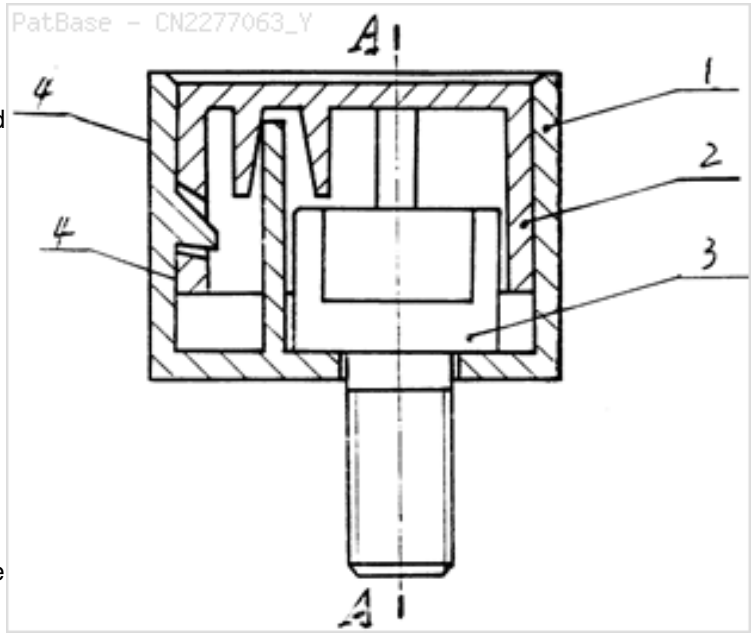
Inventor(s):(std)**:** CHANGZHAO REN ; LIAO QINGSHENG ; QINGSHENG LIAO ; REN CHANGZHAO

International class (IPC 8–9): G01D11/26 (Advanced/Invention); G01D11/24 (Core/Invention)

International class (IPC 1–7): G01D11/26

Classification Explorer

Abstract:
Source: CN2277063Y The utility model relates to a laser holographic anti–counterfeiting anti–opening coding seal for theft protection with metering of an electric, a water meter, and a gas meter. A casing of the utility model is in a box shape; an inner core which has a same shape with the casing is arranged in the casing. A locking screw nail passes through a through hole at the bottom face of the casing; a lug boss on one end face inside the casing passes through the through hole on the end face of the inner core. Two laser holographic coding identifiers are respectively arranged on the outer end surface of the inner core and the inner wall face of the casing. The utility model has the advantages of novel concept, reliable structure, mutual connection to integration of the casing, the inner core, and the laser holographic coding identifiers. Thus, the utility model has disposable and uniqueness functions, and the anti–counterfeiting, anti–opening, and theft protection performance of the utility model is reliable. The utility model is an ideal generation product of thread lead sealing.



0) BRPI0104507A – TRAVA ANTI–FURTO PARA HIDREMETRO E SISTEMA LOC...

52) Family number: 31539617 (BRPI0104507A) © PatBase

Title: TRAVA ANTI–FURTO PARA HIDREMETRO E SISTEMA LOCK ANTI–THEFT AND SYSTEM FOR HIDREMETRO (Machine translation)

Priority: BR2001PI04507 20010921

Family:

Publication number	Publication date	Application number	Application date
BRPI0104507 A	20030805	BR2001PI04507	20010921

Probable Assignee: SOUZA CARLOS ROBERTO

Assignee(s):(std)**:** SOUZA CARLOS ROBERTO

Assignee(s): CARLOS ROBERTO SOUZA

Inventor(s):(std)**:** SOUZA CARLOS ROBERTO

Inventor(s): CARLOS ROBERTO SOUZA

International class(IPC 8–9)**:** G01F3/10 (Advanced/Invention); G01F3/02 (Core/Invention)

International class(IPC 1–7)**:** G01F3/10

Classification Explorer

Abstract:
Source: BRPI0104507A Compreendido por um equipamento e sistema anti–furto para resguardar medidor de consumo de agua residencial; Consiste de dois componentes, componente– um e componente– dois que sao abracadeiras de metal que posicionadas nas juncoes imediatas laterais do medidor de consumo de agua, ou hidrometro, com parafuso inferior, fechando as abracadeiras como um cadeado, dentro de um cone voltado para dentro, nao ficando exposto ao publico, impedindo assim acesso para manipulacao e de mais um componente que travara estes dois, o componente– tres.

Machine translation: Understood by equipment and anti–theft system to protect meter residential water consumption; consists of two components, one component and two component–clamps that are placed in metal joints immediate side of the water meter consumption or hydrometer with bottom screw, closing the clamps as a padlock inside a cone facing inward, not being exposed to the public, thus preventing access to and manipulation of another component that had fought these two, the component three.

- **search:** SS9 ft=(flow meter* or water meter*) and (lock* or theft*) and anchor* (Results 101)
- List: SS9 1–50 (ft=(flow meter* or water meter*) and (lock* or theft*) and anchor*) (Results 101)

0) US2004069496A – WELLBORE ISOLATION APPARATUS, AND METHOD FOR TR...

1) Family number: 30898896 (US2004069496A) © PatBase

Title: WELLBORE ISOLATION APPARATUS, AND METHOD FOR TRIPPING PIPE DURING UNDERBALANCED DRILLING

Priority:

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Family:

Publication number	Publication date	Application number	Application date
CA2448419 AA	20040505	CA20032448419	20031105
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CA2473511 AA	20050109	CA20042473511	20040709
CA2473511 C	20080513	CA20042473511	20040709
CA2482487 AA	20050401	CA20042482487	20040924
CA2482487 C	20080902	CA20042482487	20040924
CA2483527 AA	20050401	CA20042483527	20041001
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CA2497027 AA	20050820	CA20052497027	20050211
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CA2747368 AA	20050401	CA20042747368	20040924
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US7997340 BB	20110816	US20090631541	20091204	

Probable Assignee: WEATHERFORD TECHNOLOGY HOLDINGS LLC

Assignee(s):(std)**:** BOSTICK F X III ; GRAYSON MICHAEL B ; BRUNNERT DAVID J ; BOSTICK III FRANCIS X ; HOSIE DAVID G ; WEATHERFORD LAMB ; LYNCH MICHAEL J ; PAVEL DAVID ; NOSKE JOE ; YOUNG ALLEN R ; NERO KENNETH M ; LE TUONG THANH ; ROZEK KENNETH EDMUND ; WEATHERFORD LAMB INC ; ROZEK KENNETH E ; LE TUONG T ; LUKE MIKE A ; HAUGEN DAVID ; ALLEN JACK ; BANSAL R K ; BANSAL RAM K ; BANSAL RAM KUMAR ; GRAYSON MICHAEL BRIAN

Assignee(s): BOSTICK FX ; BANSAL RK ; BOSTICK F X ; JOHNSON DARRELL ; THANH LE TUONG ; WEATHERFORD TECHNOLOGY HOLDINGS LLC ; WEATHERFORD LAMB INC2000 ST. JAMES PLACEHOUSTONTX77056US ; WEATHERFORD TECHNOLOGY HOLDINGS LLC2000 ST. JAMES PL.HOUSTONTX77056US ; WEATHERFORD LAMB INC600 – 515 POST OAK BOULEVARDHOUSTONTX77027US ; WEATHERFORD AND LAMB INC ; GRAYSON BRIAN ; FULLER TOM ; BRUNNERT DAVID ; BOSTICK FX III

Inventor(s):(std)**:** ALLEN JACK ; BANSAL RAM KUMAR ; BANSAL RAMKUMAR K ; BANSAL R K ; BOSTICK F X ; BOSTICK F X III ; BOSTICK III F X ; BOSTICK III FRANCIS X ; BOSTICK III FRANCIS XAVIER ; BRUNNERT DAVID ; BRUNNERT DAVID J ; FULLER TOM ; GRAYSON BRIAN ; GRAYSON MICHAEL B ; GRAYSON MICHAEL BRIAN ; HAUGEN DAVID ; HOSIE DAVID ; HOSIE DAVID G ; HOSIE DAVID GRAHAM ; JOHNSON DARRELL ; LE TUONG T ; LE TUONG THANH ; LLL F BOSTICK ; LYNCH MICHAEL J ; LUKE MIKE A ; NERO KENNETH M ; PAVEL DAVID ; NOSKE JOE ; ROZEK KENNETH E ; ROZEK KENNETH EDMUND ; THANH LE TUONG ; YOUNG ALLEN R ; BOSTICK LLL F ; BOSTICK FX ; BANSAL RK ; BANSAL RAM K

Inventor(s): III FRANCIS X ; YOUNG ALLEN RUS ; BOSTICK FX IIIUS ; MICHAEL BRIAN GRAYSON ; F BOSTICK LLL ; DAVID GRAHAM HOSIE ; THANH LE TUONGUS ; TOM FULLER ; TUONG THANH LE ; YOUNG ALLEN ; ROZEK KENNETH EDMUNDUS ; NOSKE JOEUS ; PAVEL DAVIDUS ; R K BANSAL ; ROZEK KENNETH ; NERO KENNETH MUS ; LUKE MIKE AUS ; LYNCH MICHAEL ; LYNCH MICHAEL JUS ; MICHAEL J LYNCH ; MIKE A LUKE ; NERO KENNETH ; LUKE MIKE ; JOHNSON DARRELLUS ; KENNETH EDMUND ROZEK ; KENNETH M NERO ; LE TUONG ; HOSIE DAVID GUS ; III F X ; JACK ALLEN ; JOE NOSKE ; HAUGEN DAVIDUS ; GRAYSON MICHAEL BRIANUS ; GRAYSON BRIANUS ; GRAYSON MICHAEL ; FULLER TOMGB ; FULLER TOMUS ; BRUNNERT DAVID JUS ; BRUNNERT DAVIDUS ; DARRELL JOHNSON ; DAVID BRUNNERT ; DAVID G HOSIE ; DAVID HAUGEN ; DAVID HOSIE ; DAVID PAVEL ; F X BOSTICK III ; BRIAN GRAYSON ; BOSTICK FX III ; BANSAL R KUS ; BANSAL RKUS ; BOSTICK ; ALLEN JACKUS ; ALLEN R YOUNG ; BANSAL R

Agent(s): DEETH WILLIAMS WALL LLP; MOSER PATTERSON AND SHERIDAN LLP; WILLIAM B PATTERSON MOSER PATTERSON AND SHERIDAN LLP; PATTERSON AND SHERIDAN LLP

International class (IPC 8–9): E21B17/00 E21B17/06 E21B17/07 E21B21/08 E21B21/10 E21B23/00 E21B23/01 E21B23/04 E21B23/06 E21B29/06 E21B33/04 E21B33/068 E21B33/10 E21B33/127 E21B33/1295 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B34/16 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/022 E21B47/024 E21B47/06 E21B47/09 E21B47/10 E21B47/12 E21B47/13 E21B47/14 E21B49/08 E21B7/04 E21B7/06 E21B7/20 G01F1/00 G01F1/74 G01V1/18 G01V1/40 G01V1/52 G01V8/02 G09F3/20 H01Q1/04 (Advanced/Invention); E21B21/00 E21B34/00 E21B40/00 E21B43/00 (Advanced/Non–invention); E21B17/02 E21B21/00 E21B23/00 E21B29/00 E21B33/03 E21B33/10 E21B33/12 E21B34/00 E21B41/00 E21B47/00 E21B47/10 E21B47/12 E21B7/04 E21B7/20 (Core/Invention); E21B21/00 (Core/Non–invention)

International class (IPC 1–7): B21D17/04 E21B E21B21/08 E21B21/10 E21B33/038 E21B33/04 E21B33/068 E21B33/10 E21B33/12 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/12 E21B34/14 E21B40/00 E21B41/00 E21B43/00 E21B47/00 E21B47/01 E21B47/06 E21B47/12 E21B49/00 G01F1/66

CPC: E21B41/0021 E21B34/00 E21B33/0407 E21B34/14 E21B34/16 E21B47/01 E21B47/09 E21B41/00 E21B43/00 E21B21/10 E21B34/08 E21B47/02208 G01V1/42 G09F3/20 E21B7/061 E21B17/06 E21B17/07 E21B23/01 E21B23/04 E21B23/06 E21B23/065 E21B29/06 E21B33/1275 E21B33/1295 E21B41/0035 H01Q1/04 E21B47/10 E21B2021/006 E21B2034/005 E21B47/06 E21B47/123 E21B47/14 G01V1/40 E21B21/103 E21B34/10 E21B47/12 G01V1/52 E21B21/08 E21B34/101 E21B47/122 E21B33/068 E21B33/10 E21B34/06

European class: E21B17/06 E21B17/07 E21B21/08 E21B21/10 E21B21/10C E21B23/01 E21B23/04 E21B23/06 E21B23/06D E21B29/06 E21B33/04E E21B33/068 E21B33/10 E21B33/127D E21B33/1295 E21B34/00 E21B34/06 E21B34/08 E21B34/10 E21B34/10E E21B34/14

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Classification Explorer

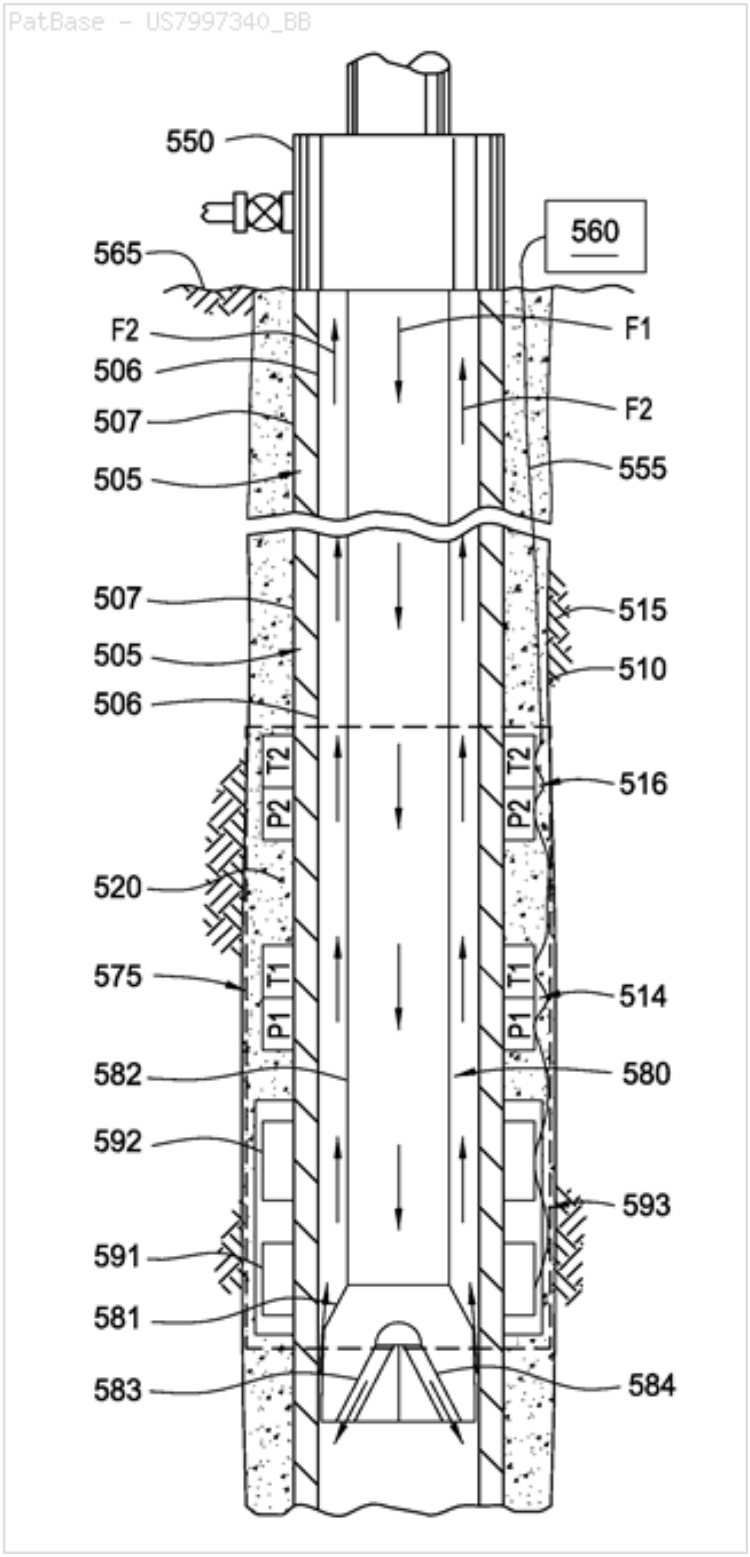
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Abstract:
Source: US2004069496A The present invention relates to an apparatus and method for isolating a wellbore condition such as formation pressure during a wellbore operation. The invention has particular application in connection with underbalanced drilling. In one arrangement, a formation isolation apparatus is provided that serves as a selectively actuatable plug. The plug in one aspect is selectively set and released by a setting/releasing tool. The setting/releasing tool includes a system for setting the plug in the wellbore, and a system for releasing the plug from the wellbore. The setting/releasing tool is releasably connected to the plug. Thus, after the plug has been set, the setting/releasing tool may be removed from the wellbore. The plug includes a flapper valve that is restrained in its open position by the setting/releasing tool. Removal of the setting/releasing tool from the wellbore allows the flapper valve to close, thereby isolating pressures in the wellbore below the flapper valve. The plug is wireline retrievable. In another aspect, a formation isolation apparatus is provided for use during sidetrack drilling operations. The sealing element is movable from a first released position below the lateral wellbore, to a set position above the lateral wellbore.



0) US2008041587A – METHOD FOR LOGGING AFTER DRILLING

2) Family number: 41513787 (US2008041587A) © PatBase

Title: METHOD FOR LOGGING AFTER DRILLING

Priority:

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Inventor(s):(std)**:** ANDREW ANTOINE ; ANTOINE ANDREW ; BELL JOHN W ; BRUNNERT DAVID J ; FITZGERALD KEITH ; GIROUX RICHARD L ; GIROUX RICHARD LEE ; HARRALL SIMON J ; FISHER JERRY W ; HEISKELL WES ; JAKE XU WEI ; KOITHAN THOMAS ; HEISKELL WESLEY DON ; LAIRD MARY L ; LAIRD THOMAS ; LAIRD TOMMY ; LAIRD TOMMY L ; LYNCH MICHAEL ; LYNCH MICHAEL J ; MCINTIRE SCOTT ; MICHAEL MOODY ; MOODY MICHAEL ; MOODY MICHAEL J ; ODELL ALBERT C II ; ODELL II ALBERT C ; REDLINGER THOMAS M ; RING LEV ; THOMAS LAIRD ; VREELAND CHRISTOPHER M ; TILTON FREDERICK T ; WHITNEY LARRY E ; WILSON CARL J ; XU WEI JAKE

Inventor(s): XU WEI JAKEUS ; WILSON CARL JUS ; WILSON CARL ; TILTON FREDERICK TUS ; VREELAND CHRISTOPHER M HOUSTON ; VREELAND CHRISTOPHER MUS ; WES HEISKELL ; WHITNEY LARRY ; THOMAS M REDLINGER ; SCOTT MCINTIRE ; THOMAS KOITHAN ; REDLINGER THOMAS M HOUSTON ; REDLINGER THOMAS MUS ; RICHARD L GIROUX ; REDLINGER THOMAS ; ODELL ALBERT C IIUS ; MOODY MICHAELUS ; ODELL ALBERT C ; MCINTIRE SCOTT HOUSTON ; MCINTIRE SCOTTUS ; MICHAEL LYNCH ; LAIRD TOMMYUS ; LARRY E WHITNEY ; LEV RING ; LAIRD MARY LUS ; HEISKELL WESUS ; KOITHAN THOMAS HOUSTON ; KOITHAN THOMASUS ; LAIRD MARY ; JERRY W FISHER ; JOHN W BELL ; KEITH FITZGERALD ; HEISKELL WES CYPRESS ; FISHER JERRY WUS ; HARRALL SIMON JUS ; BRUNNERT DAVID JUS ; CARL J WILSON ; CHRISTOPHER M VREELAND ; FISHER JERRY ; ANTOINE ANDREW HOUSTON ; ANTOINE ANDREWUS ; BELL JOHN

Agent(s): SPRUSON AND FERGUSON; DEETH WILLIAMS WALL LLP; MARKS AND CLERK LUXEMBOURG LLP; SHANKS ANDREW; TALBOT PONSONBY DANIEL FREDERICK; PATTERSON AND SHERIDAN LLP; PATTERSON WILLIAM B 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)**:** E21B10/32 E21B17/02 E21B17/06 E21B21/10 E21B23/00 E21B23/02 E21B23/04 E21B23/14 E21B29/00 E21B29/06 E21B31/00 E21B31/107 E21B31/113 E21B31/12 E21B33/13 E21B34/12 E21B4/02 E21B43/10 E21B43/11 E21B43/112 E21B47/00 E21B47/09 E21B47/12 E21B47/14 E21B7/00 E21B7/06 E21B7/28 F04D29/00 F04D29/24 G01N3/22 (Advanced/Invention) ; E21B10/26 E21B17/02 E21B21/00 E21B23/00 E21B29/00 E21B31/00 E21B4/00 E21B43/02 E21B43/11 E21B47/00 E21B47/12 E21B7/00 E21B7/04 F04D29/00 F04D29/18 G01N3/00 (Core/Invention)

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European class: E21B10/32 E21B10/32B E21B10/32M E21B17/02C E21B17/06 E21B21/10C E21B23/02 E21B23/04 E21B23/14 E21B29/06 E21B31/107 E21B31/113 E21B31/12 E21B4/02 E21B47/00 E21B47/09 E21B47/12 E21B47/12M E21B7/06M

US class: 117/269 117/57 166/120 166/178 166/178S 166/208 166/208S 166/237 166/242.6 166/250.13 166/254.2 166/298 166/301 166/301S 166/340 166/377 166/377S 166/381 166/382 166/386 166/55.8 166/65.1 166/65.100S 166/66.4 166/66.6 166/77.51 166/77.510S 175/267 175/267S 175/268 175/269 175/271 175/284 175/286 175/320 175/40 175/40S 175/57 175/57S 294/86.1 294/86.100S 415/115 415/115S 415/182.1 415/182.100S 73/847 73/847S

Classification Explorer

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Forward Citations: WO16204756, WO16191716, WO16190885, WO16156851, WO16148682, WO16148679, WO16114764, WO16100271, WO16097307, WO16090073, WO16081415, WO16028537, WO16010716, WO15196282, WO15159058, WO15157121, WO15153655, WO15114408, WO15114407, WO15114406, WO15077694, WO15070885, WO15047254, WO15040014, WO15038635, WO15035143, WO15003188, WO14210539, WO14186415, WO14186327, WO14186327, WO14185912, WO14184587, WO14169166, WO14152699, WO14150524, WO14142783, WO14110522, WO14107395, WO14099723, WO14078028, WO14065814, WO14059396, WO14009756, WO14009756, WO14000777, WO13170372, WO13103907, WO13103766, WO13103766, WO12118851, WO12118851, WO12098377, WO12098377, WO12065126, WO12065126, WO12047837, WO12047837, WO12012613, WO11156107, WO11156107, WO11146327, WO11146327, WO11119726, WO11119726, WO11115941, WO11109631, WO11109631, WO10083197, WO10010487, WO10010487, US9598940, US9598939, US9587487, US9587451, US9567834, US9562429, US9556682, US9556678, US9551199, US9550364, US9547831, US9534461, US9534445, US9528346, US9523274, US9523258, US9518443, US9512683, US9500044, US9488046, US9482066, US9464520, US9464496, US9458697, US9453374, US9447678, US9447676, US9435176, US9428998, US9428997, US9428976, US9428962, US9410399, US9404331, US9394762, US9382769, US9371695, US9366134, US9366101, US9359890, US9353600, US9353589, US9347297, US9347119, US9341038, US9341027, US9328563, US9316091, US9303495, US9297228, US9290998, US9284816, US9284812, US9267347, US9255448, US9243475, US9243457, US9238954, US9228407, US9227243, US9222350, US9217325, US9206675, US9206674, US9187990, US9187989, US9175520, US9157278, US9139928, US9133695, US9133674, US9127521, US9127515, US9115573, US9109429, US9109424, US9109269, US9103197, US9101978, US9097073, US9096067, US9091152, US9091148, US9090956, US9090955, US9085954, US9080098, US9079246, US9068428, US9068415, US9068414, US9068413, US9062508, US9062506, US9057242, US9051810, US9051792, US9033056, US9033055, US9027650, US9027645, US9022117, US9022107, US8991509, US8991489, US8985200, US8978817, US8978750, US8978749, US8973680, US8973679, US8967300, US8939236, US8936110, US8915298, US8905145, US8899334, US8899320, US8893811, US8881833, US8881824, US8881821, US8881816, US8881798, US8875796, US8863843, US8851175,

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Abstract:
Source: US2008041587A A method for logging a downhole formation in a wellbore. The method comprises drilling a wellbore with a drill bit coupled to a disconnect device. The disconnect device is then actuated to detach the drill bit from a portion of a conveyance. A logging operation is then performed between two portions of the disconnect device. The disconnect device may then be reattached.

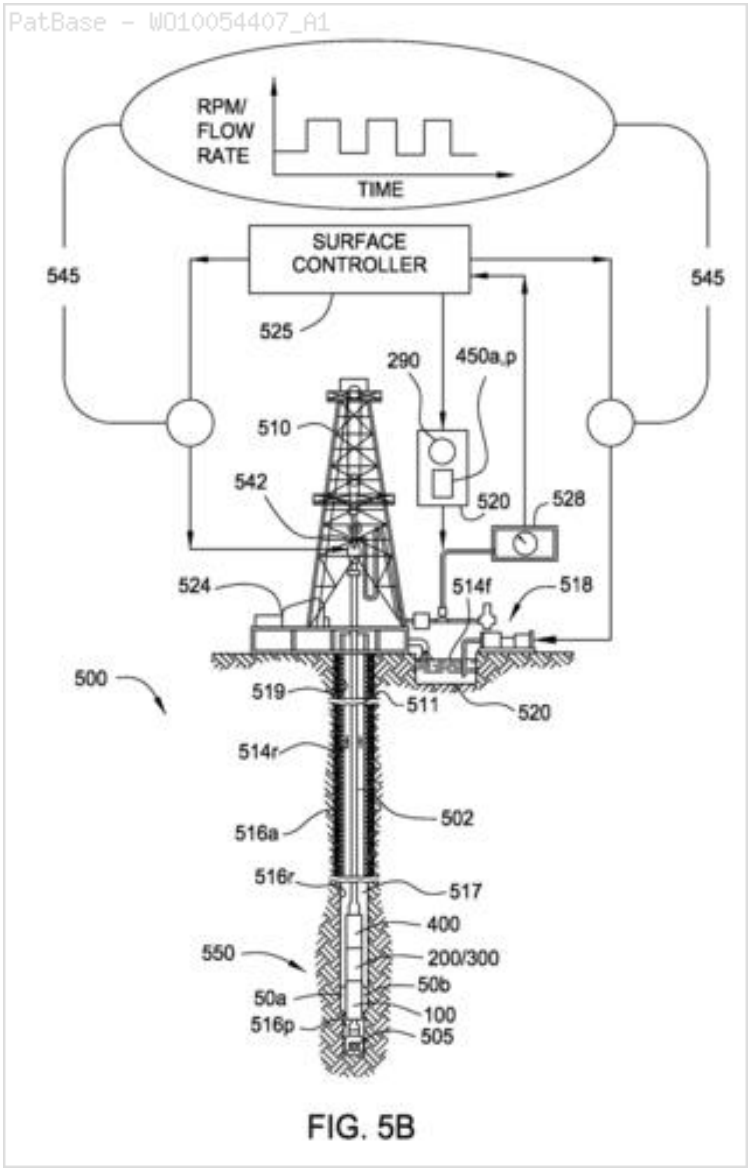


FIG. 5B

3) Family number: 31492238 (US2004147871A) © PatBase

Title: IMPLANTABLE FLUID MANAGEMENT SYSTEM FOR THE REMOVAL OF EXCESS FLUID

Priority:

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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 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

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International class (IPC 1–7): A61B17/04 A61B17/08 A61F2/04 A61K9/22 A61M5/00

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Classification Explorer

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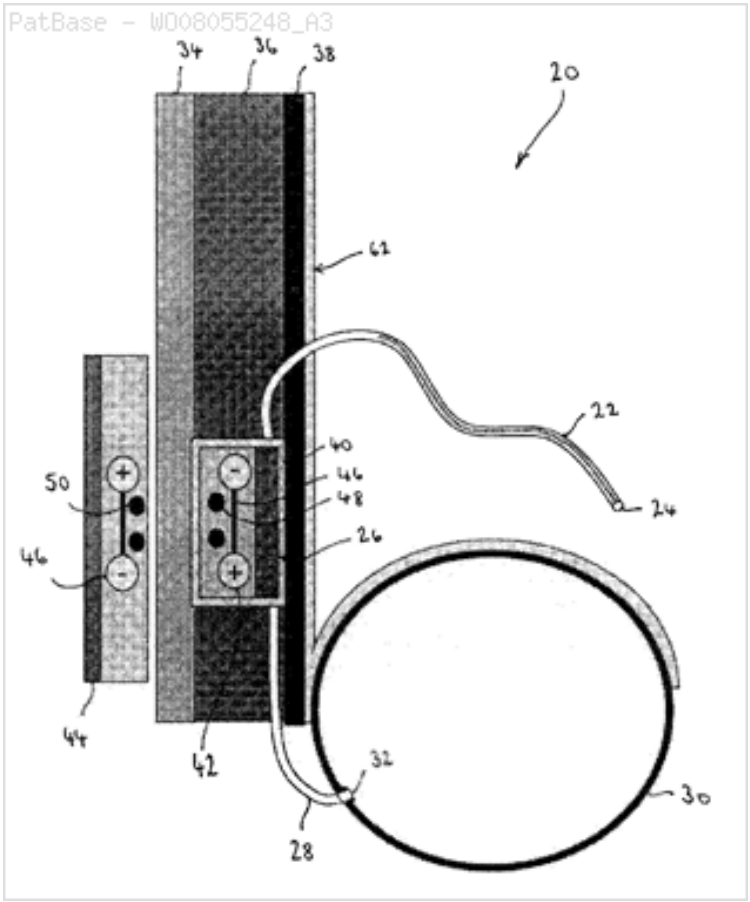
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Abstract:
Source: US2004147871A An implantable fluid management device, designed to drain excess fluid from a variety of locations in a living host into a second location within the host, such as the bladder of that host. The device may be used to treat ascites, chronic pericardial effusions, normopressure hydrocephalus, hydrocephalus, pulmonary edema, or any fluid collection within the body of a human, or a non−human mammal.



0) US2009105969A – METHOD AND DEVICE FOR THE ASSESSMENT OF FLUID C...

4) Family number: 43179148 (US2009105969A) © PatBase

Title: METHOD AND DEVICE FOR THE ASSESSMENT OF FLUID COLLECTION NETWORKS

Priority: US20070000050P 20071023 US20080257311 20081023 US20100947125 20101116

Family:

Publication number	Publication date	Application number	Application date
US2009105969 AA	20090423	US20080257311	20081023
US2011071773 AA	20110324	US20100947125	20101116
US7836760 BB	20101123	US20080257311	20081023

Probable Assignee: SAYLOR DAVID J

Assignee(s):(std)**:** SAYLOR DAVID J

Inventor(s):(std)**:** SAYLOR DAVID J

Agent(s): DOWELL BAKER PC

International class (IPC 8–9)**:** G01F1/00 G01F1/28 G01F7/00 G06F17/50 G06F19/00 G06G7/50 (Advanced/Invention); G01F1/00 (Core/Invention)

CPC: G01D9/005 G01D21/00 G01F1/20 G01F1/32 G01F1/68 G01F1/684 G01F15/063 G01F15/0755 G01F23/00

European class: G01D21/00 G01D9/00S G01F1/20 G01F1/32 G01F1/68 G01F1/684 G01F15/06B2 G01F15/075B G01F23/00

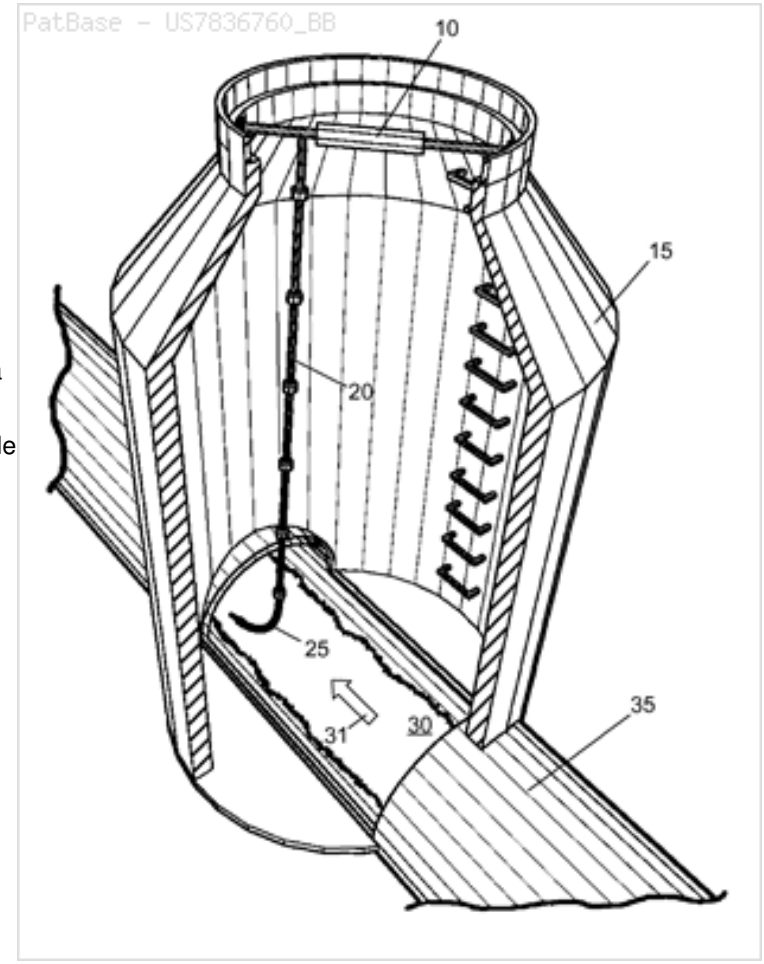
US class: 702/45 702/45P 702/45S 702/47 702/47P 703/1 703/1S 73/195 73/861.71

Classification Explorer

Cited documents: USRE36069 E, USRE35503 E, US7703343 BA, US7668671 BA, US7322252 BA, US7249030 BB, US7165714 BB, US7131791 BB, US7096128 BB, US7010759 BB, US7002481 BA, US6987877 BB, US6955498 BA, US6924645 BB, US6904361 BA, US6832166 BB, US6807494 BB, US6757623 BB, US6747650 BB, US6701261 BB, US6641482 BB, US6573721 BA, US6536272 BA, US6522972 BB, US6356052 BB, US6263747 BA, US6256649 BA, US6241028 BA, US6201554 BA, US6085586 A, US5942698 A, US5852240 A, US5848373 A, US5821427 A, US5812962 A, US5811688 A, US5808916 A, US5747692 A, US5739420 A, US5684250 A, US5633809 A, US5631970 A, US5622173 A, US5608171 A, US5556282 A, US5506791 A, US5504693 A, US5461708 A, US5385371 A, US5385049 A, US5329464 A, US5299141 A, US5230331 A, US5198989 A, US5172332 A, US5143478 A, US5091863 A, US4919564 A, US4846191 A, US4651139 A, US4630474 A, US4571997 A, US4467644 A, US4414848 A, US4407158 A, US4402213 A, US4344329 A, US4301809 A, US4295197 A, US4211111 A, US4195521 A, US4152933 A, US4127032 A, US4125020 A, US4116061 A, US4100798 A, US4083246 A, US4079362 A, US4070563 A, US4034607 A, US4011756 A, US3995373 A, US3948098 A, US3638490 A, US3354717 A, US3218852 A, US3149254 A, US2809520 A, US2580782 A, US2010083738 AA, US2009145820 AA, US2009094002 AA, US2009078411 AA, US2009021514 AA, US2009015585 AA, US2008314122 AA, US2008281534 AA, US2008262734 AA, US2008135493 AA, US2007103324 AA, US2007063856 AA, US2006289064 AA, US2006283238 AA, US2006186040 AA, US2006181425 AA, US2006162467 AA, US2006116829 AA, US2006077095 AA, US2005242011 AA, US2005177323 AA, US2005037023 AA, US2005005467 AA, US2004138816 AA, US2004075697 AA, US2003236639 AA, US2003128865 AA, US2003018432 AA, US2002184235 AA, US2002173923 AA, US2002170350 AA, US2002156590 AA,

Forward Citations: WO13093303, US9471986, US9408342, US9261221, US9213905, US9151431, US9068866, US9058633, US8897541, US8855937, US8844577, US8807873, US8786455, US8768667, US8671741, US8087311, US2015355003, US2015027222, US2013233806, US2012325321, US2012101796, US2011320140, US2011235923, US2009092955, US2008210024, RU2561534, GB2500270, GB2500270, FR2984527, DE102015011755, CN103697934, CN102840435, AU2012356551,

Abstract:
Source: US2009105969A The improved monitoring device includes a data acquisition device with an accelerometer inside a bendable tube. One end of the tube is connected to a pole that may be secured to the top of a sewer manhole, while the other end is submerged in a fluid flow. The tilt, oscillations, and pressure exerted upon the tube due to fluid flow are measured and recorded. An improved method includes installing several monitoring devices into sewer system manholes, recording fluid level and flow, reading the recorded data, and displaying the data in chart or map form. Data may be displayed in two or three dimensional maps that may be overlaid with information of topography, street maps, and single or multiple sewer systems. Data displayed on the maps may include fluid flow rates, fluid levels, derivatives and integrals of flow rates, and differences in fluid levels or flow between monitoring devices.



0) US2002066596A – SUBSEA MUD PUMP AND CONTROL SYSTEM

5) Family number: 28257736 (US2002066596A) © PatBase

Title: SUBSEA MUD PUMP AND CONTROL SYSTEM

Priority: US19980079641P 19980327 US19990276404 19990325 US19990276406 19990325 US19990276405 19990325 US20030341511 20030113 US20010923287 20010806 WO1999US06111 19990326 WO1999US06695 19990326 WO1999US06694 19990326

Family:

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Inventor(s): KENNETH LPELATA ; MOTT KEITH C DECEASED ; KEITHC MOTT ; KEITH C MOTT ; ENNETH W COLVIN

Agent(s): BORDEN LADNER GERVAIS LLP; OSHA AND MAY 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 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 ZA ZW

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Classification Explorer

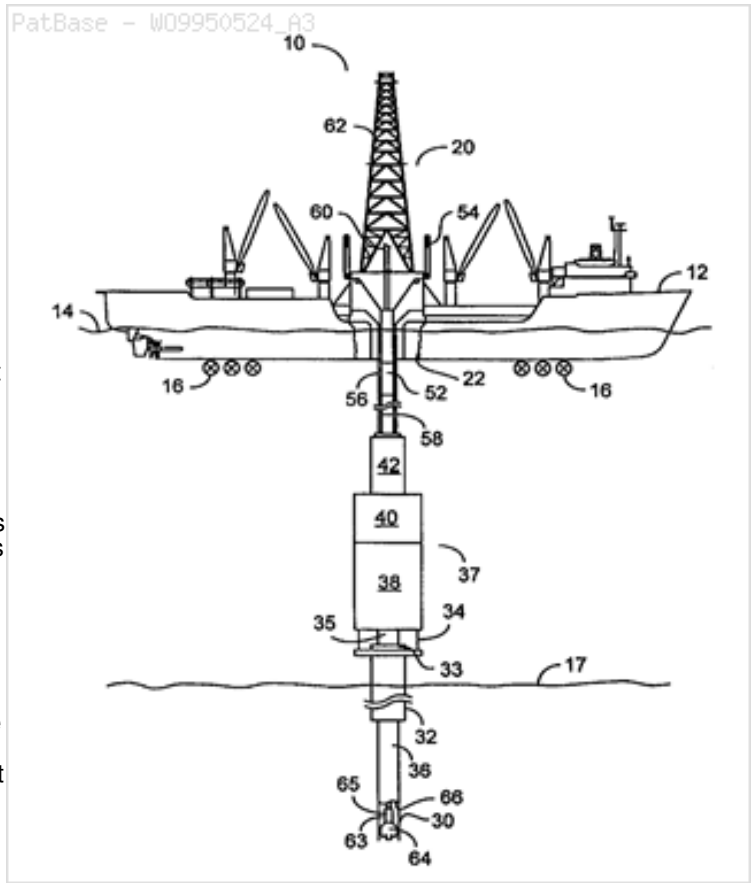
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Abstract:
Source: US2002066596A The invention is a subsea pump that includes pumping elements, each pumping element including a pressure vessel with a first and a second chamber therein and a separating member disposed between the first and second chambers. The first and second chambers are hydraulically connected to receive and discharge a hydraulic fluid and a drilling fluid, respectively. The separating member moves within the pressure vessel in response to a pressure differential between the first and second chambers. A hydraulic power supply is arranged to pump the hydraulic fluid to the first chamber of each of the pumping elements. A valve assembly is hydraulically coupled to the first chambers of the plurality of pumping elements and to the hydraulic power supply. Volume measurement devices are arranged to measure volumes of each of the first chambers and the second chambers. A valve controller is connected to the valve assembly and to the volume measurement devices, and the valve controller is arranged to control a rate and timing of a flow of the hydraulic fluid into the first chambers and a rate and timing of a flow of the hydraulic fluid out of the first chambers in response to the volume measurements. The valve controller is configured to maintain at least one of a substantially constant pump inlet pressure, a substantially constant pump discharge pressure, and a substantially constant total volume of the first chambers.



0) US2004236316A – ARTICULATING MECHANISM FOR REMOTE MANIPULATION ...

6) Family number: 31368394 (US2004236316A) © PatBase

Title: ARTICULATING MECHANISM FOR REMOTE MANIPULATION OF A SURGICAL OR DIAGNOSTIC TOOL

Priority:

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Publication number	Publication date	Application number	Application date
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Probable Assignee: INTUITIVE SURGICAL OPERATIONS

Assignee(s):(std)**:** ALVORD LINCOLN J ; DANITZ DAVID J ; GOLD ADAM ; HEGEMAN DAVID E ; HEGEMAN DAVID ELIAS ; HINMAN CAMERON DALE ; INTUITIVE SURGICAL OPERATIONS ; NOVARE SURGICAL SYSTEMS INC ; HINMAN CAMERON D

Assignee(s): INTUITIVE SURGICAL OPERATIONS INC ; NOVARE SURGICAL SYSTEMS INC10440A BUBB ROADCUPERTINOCA95014US ; INTUITIVE SURGICAL OPERATIONS INC ; INTUITIVE SURGICAL OPERATIONS INC SUNNYVALE ; OXFORD FINANCE CORP

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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 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)**:** A61B1/00 A61B1/005 A61B1/008 A61B1/32 A61B17/00 A61B17/072 A61B17/28 A61B17/29 A61B18/14 A61B19/00 A61B34/00 A61B90/00 A61M25/00 A61M25/01 A61M25/092 A61M29/00 B25J1/00 B25J13/02 B25J15/00 B25J17/00 B25J17/02 B25J18/00 B25J18/06 B25J19/00 B25J3/00 B25J9/06 B25J9/10 F16C1/10 G02B23/24 (Advanced/Invention);
A61B17/00 A61B17/22 A61B17/28 A61B17/29 A61B18/04 A61B18/14 A61B19/00 (Advanced/Non–invention);
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A61B17/22 A61B17/28 A61B18/04 (Core/Non–invention);
A61B (Subclass/Invention)

International class (IPC 1–7)**:** A61B A61B0/00 A61B1/00 A61B17/00

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European class: A61B1/005B4B A61B1/005B6 A61B1/008 A61B17/072B A61B17/29 A61B19/22 A61M25/01C A61M25/01C10C A61M25/01C10K B25J13/02 B25J9/06 B25J9/10C K61B1/005B6 K61B17/00E3G6C K61B17/00G2 K61B17/00G6 K61B17/00K K61B17/29F6 K61B17/29H K61B17/29H2 K61B17/29J2 K61B17/29L K61B18/14V K61B19/22D K61B19/22P K61B19/26 K61M25/01C10K1 K61M25/01C10S

US class: 1/1 414/7 414/7S 600/139 600/139P 600/141 600/141P 600/142 600/142P 600/146 600/204 600/204P 604/95.04 604/95.040P 606/1 606/130 606/130P 606/170 606/1P 606/1S 606/205 606/205P 606/207 606/207P 606/208 74/490.04 74/500.5 74/500.500S 901/21

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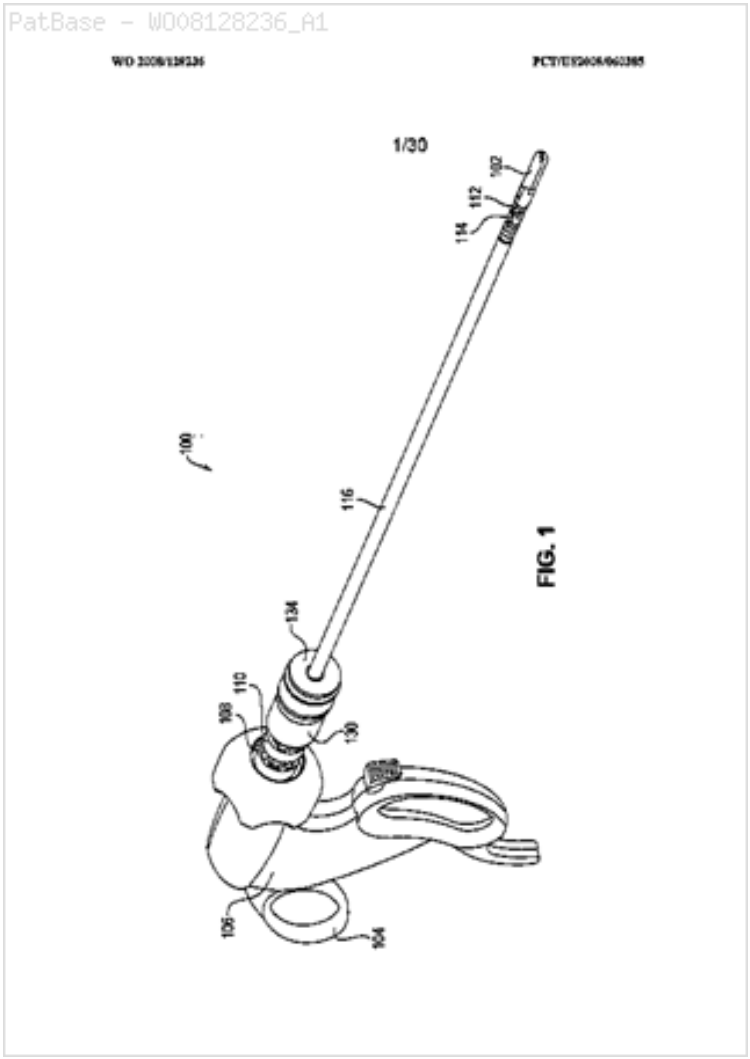
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Abstract:
Source: US2004236316A The invention provides an articulating mechanism useful, for example, for remote manipulation of various surgical instruments and diagnostic tools within, or to, regions of the body. Movement of segments at the proximal end of the mechanism results in a corresponding, relative movement of segments at the distal end of the mechanism. The proximal and distal segments are connected by a set of cables in such a fashion that each proximal segment forms a discrete pair with a distal segment. This configuration allows each segment pair to move independently of one another and also permits the articulating mechanism to undergo complex movements and adopt complex configurations.



7) Family number: 47617404 (US2010298738A) © PatBase

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Priority:

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Assignee(s): TEACHERS RETIREMENT SYSTEM OF ALABAMA ; N A ; SIO2 MEDICAL PRODUCTS INC AUBURN ; TOTAL INNOVATIVE PACKAGING INC ; SIO2 MEDICAL PRODUCTS INC2250 RILEY STREETAUBURNAL36832US ; SIOA ; CAPITOL MEDICAL DEVICES INC ; CSP TECHNOLOGIES INC960 WEST VETERANS BOULEVARDAUBURNAL36832US ; CAPITOL MEDICAL DEVICES INC960 WEST VETERANS BLVD.AUBURNAL36832US ; CAPITOL CUPS INC ; CAPITOL PLASTIC PRODUCTS LLC ; CLARK BECKY L ; ABRAMS ROBERT S MR ; BELFANCE JOHN ; CV HOLDINGS ; CYPRIUM INVESTORS IV LP ADMINISTRATIVE AGENT AS ; CV HOLDINGS LLC1030 RIVER FRONT CENTERAMSTERDAMNY12010US ; CV PARTNERS ; JONES JOSEPH A

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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): A01N29/06 A61B5/00 A61B5/145 A61B5/15 A61B5/153 A61B5/154 A61B6/00 A61F9/00 A61J1/00 A61J1/03 A61J1/05 A61J1/06 A61J1/14 A61J1/16 A61J3/00 A61J7/00 A61L29/00 A61L31/04 A61L31/08 A61L31/10 A61L31/14 A61L31/16 A61M15/00 A61M25/00 A61M35/00 A61M5/00 A61M5/178 A61M5/28 A61M5/30 A61M5/31 A61M5/315 A61M5/32 A61M5/34 B01L3/00 B05B13/02 B05B13/06 B05C11/00 B05C13/00 B05D3/00 B05D3/14 B05D5/08 B05D7/02 B05D7/22 B05D7/24 B23D7/04 B29C45/00 B29C45/14 B29D22/00 B32B27/08 B65D23/02 B65D25/14 B65D65/42 B65D77/00 B65D81/00 B65G37/00 C08F2/46 C08J7/00 C08J7/04 C08J7/18 C12M1/00 C23C C23C14/14 C23C14/16 C23C14/40 C23C16/00 C23C16/02 C23C16/04 C23C16/24 C23C16/30 C23C16/32 C23C16/40 C23C16/42 C23C16/44 C23C16/455 C23C16/458

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A61J1/05 A61J1/10 A61L31/08 A61M5/31 B05C13/02 B05D7/22 B23Q7/04 B23Q7/14 B29C45/16 B29L31/00 G01N33/00 (Advanced/Non–invention);
C23C16/00 C23C16/30 (Core/Invention);
A61J C07D C23C G01M G01N H01L (Subclass/Invention)

International class (IPC 1–7): G01N21/954

CPC: C23C16/36 B65D25/14 B05D5/08 B05D7/02 G01M3/26 C23C16/503 B01L3/508 A61J1/05 A61L31/10 A61L2420/02 A61L2400/10 C23C16/32 A61M5/3134 A61M5/28 C23C16/515 G01N33/00 C23C16/50 C23C16/30 Y10T428/24975 A61J1/065 A61M2209/06 Y10T428/31663 A61M2205/0222 C23C16/402 B05D1/62 C23C16/507 A61J1/1468 A61J1/035 A61B5/150343 A61M2207/00 A61M2207/10 A61M2005/3109 A61M15/0001 A61M2202/048 A61M2205/19 C23C16/0272 A61F9/0008 A61L31/04 A61L31/08 A61L31/143 A61L2420/08 A61M5/31 C23C16/511 A61M5/31513 A61M2005/3104 A61L31/088 A61M5/3129 A61M5/343 A61M2005/3117 A61M2005/3118 B29C45/14311 B29C45/14598 B29C45/1657 B29C45/1671 B29L2031/7544 A61J1/00 G01N33/0004 G01N33/442 B01L3/5082 A61B5/1405 A61B5/15003 A61B5/150236 A61B5/150244 A61B5/150274 A61B5/150389 A61B5/150519 A61B5/150595 A61B5/150717 A61B5/150755 A61B5/153 A61M5/3202 B05D7/22 G01M3/329 G01N29/022 G01N29/036 G01N2291/0256 G01N2291/0427 A61B5/150022 C23C16/325 A61M2005/3131 A61M2205/0238 C23C16/029 C23C16/45523 B05C13/00 B05C13/025 B23Q7/04 B23Q7/1494 A61L29/106 A61L31/14 A61B5/154 C23C16/045 C23C16/458 C23C16/505 C23C16/52 C23C16/54 G01N15/082 G01N23/2273 G01N2033/0096 A61M5/3145 B29C45/14065 A61J1/1425 C23C16/401 Y10T428/13 Y10T428/1383

European class: A61M5/31 A61M5/31C A61M5/32B A61M5/34B B05D1/62 B05D5/08 B05D7/02 B29C45/14K B29C45/16J C23C16/04D C23C16/40B C23C16/503 C23C16/505 C23C16/52 C23C16/54 G01N15/08C K61M5/315C1 K61M5/31A6 K61M5/31A6B K61M5/31C1B L29C45/14E L29C45/16H L29L31/7544 S01N33/00T

US class: 1/1 118/500 118/500S 118/696 118/696S 118/697 118/712 118/712S 118/723.00ES 118/723.00RS 118/723E 118/723R 128/203.12 198/339.1 198/339.100S 206/438 206/461 206/524.2 206/524.3 206/524.9 220/626 250/305 264/275 422/430 422/558 427/2.1 427/2.11 427/2.3 427/2.300S 427/331 427/331S 427/402 427/445 427/445S 427/488 427/489 427/527 427/547 427/563 427/569 427/569S 427/575 427/578 427/579 427/579S 427/8 427/8S 428/216 428/34.1 428/36.7 428/447 435/283.1 435/283.100S 436/2 436/3 436/5 436/85 438/788 438/789 438/792 438/793 508/107 508/107S 600/309 600/364 600/365 600/371 600/432 600/573 600/576 600/576P 604/187 604/187P 604/192 604/199 604/218 604/225 604/230 604/230S 604/294 604/310 604/311 604/403 604/403S 604/68 604/77 73/150R 73/23.2 73/23.200S 73/38 73/40 73/865.8 73/865.800P

Classification Explorer

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Abstract:
Source: US2010298738A Methods for processing a vessel, for example to provide a gas barrier or lubricity, are disclosed. First and second PECVD or other vessel processing stations or devices and a vessel holder comprising a vessel port are provided. An opening of the vessel can be seated on the vessel port. The interior surface of the seated vessel can be processed via the vessel port by the first and second processing stations or devices. Vessel barrier, lubricity and hydrophobic coatings and coated vessels, for example syringes and medical sample collection tubes are disclosed. A vessel processing system and vessel inspection apparatus and methods are also disclosed.

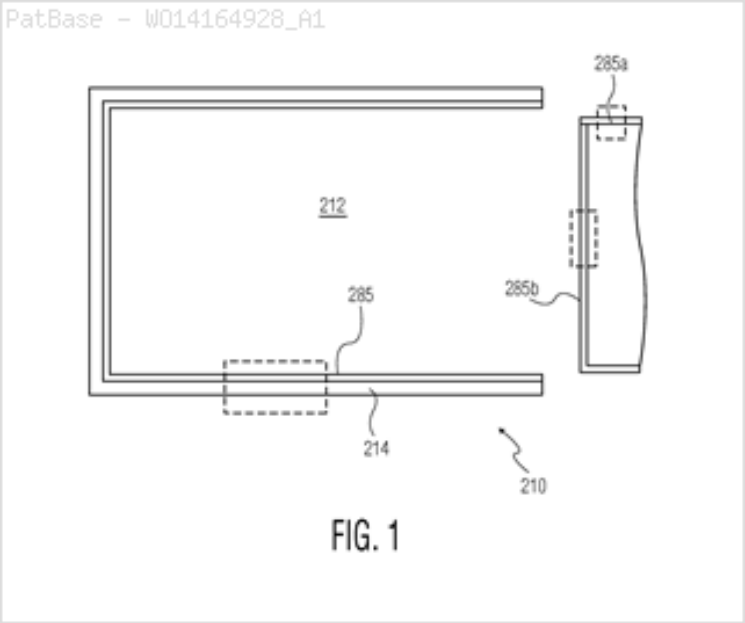


FIG. 1

0) UY29154A – SELLO DE SEGURIDAD

8) Family number: 41015440 (UY29154A) © PatBase

Title: SELLO DE SEGURIDAD

Priority: CL20040002575 20041005

Family:

Publication number	Publication date	Application number	Application date
CL2004002575 A1	20050930	CL20040002575	20041005
CL43753 B	20080926	CL20040002575	20041005
CO5700165 A1	20061130	CO20050093133	20050914
UY29154 A1	20060531	UY20050029154	20051005

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Assignee(s): ISABEL LUISA MUNITA LOPEZ ; ISABEL MUNITA LOPEZ

Inventor(s):(std)**:** MUNITA LOPEZ ISABEL LUISA ; LOPEZ ISABEL MUNITA

Inventor(s): ISABEL MUNITA LOPEZ ; ISABEL LUISA MUNITA LOPEZ

Agent(s): CLARKE; DILIA MARIA RODRIGUEZ DALEMAN

International class (IPC 8–9): B65D53/00 B65D55/02 G09F3/00 G09F3/02 G09F3/03 G09F3/08 (Advanced/Invention); B65D53/00 B65D55/02 G09F3/03 (Core/Invention)

Classification Explorer

Abstract:
Source: CO5700165A Sello de seguridad para el sellado de diferentes elementos tales como, bolsas de valores, medidores de agua, gas o electricidad y contenedores en general, constituido por un conjunto inviolable que acusa evidentemente la intencion de haber sido manipulado CARACTERIZADO porque se compone de una capsula receptora, formada por un cuerpo hueco abierto en un solo extremo, con un primer elemento de retencion interior, una tapa en forma de placa, provista de un segundo elemento de retencion y elementos de enhebrado de un alambre de seguridad, elementos de guia de insercion de dicha tapa en el interior de dicha capsula y una banda de union de dicha capsula y dicha tapa, donde dicho segundo elemento de retencion posee un canal lateral externo y una superficie exterior disponible para imprimir una serie identificatoria del sello, estando dicha serie en correspondencia con una serie igual impresa en el exterior de la capsula; teniendo dicho segundo elemento de retencion, medios para enhebrar dicho alambre de seguridad por el interior de dicho segundo elemento de retencion y porque dicho primer y segundo elemento de retencion poseen, medios de traba y medios de ensamble que se corresponden entre si. Security seal for sealing different items such as stock exchanges, water meters, gas or electricity and containers in general, consists of an inviolable whole accusing evidently the intention of tampering CHARACTERIZED consists a receiving capsule, formed by a hollow body open at one end, with a first inner retention, a cover plate–shaped, provided with a second retaining element and elements of threading a wire security elements insertion guide said cover within said capsule and a band of union of said capsule and said cap, wherein said second clamping element has an external channel and a lateral outer surface available for printing an identification number of the seal being such set in correspondence with an equal number printed on the exterior of the capsule; said second retaining element, means for threading said safety wire inside said second clamping element and that said first and second retaining element have, locking means and assembly means which correspond to each other.

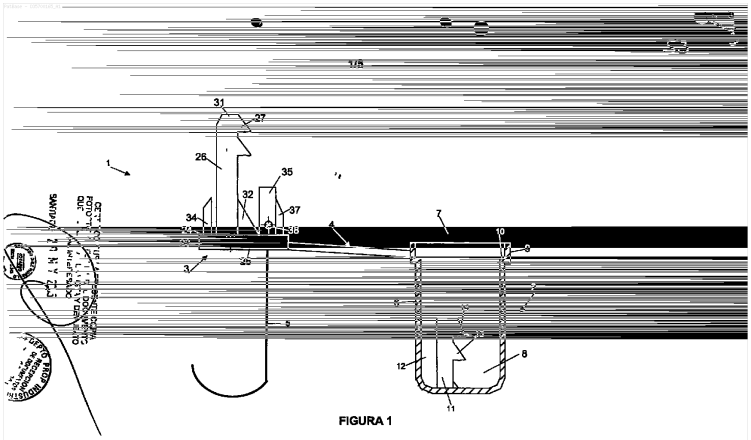


FIGURA 1

0) US2001017817A – PRODUCT LABELING METHOD AND APPARATUS

9) Family number: 28313446 (US2001017817A) © PatBase

Title: PRODUCT LABELING METHOD AND APPARATUS

Priority:

CA19972225353	19971219	US19960033491P	19961220	US19980007290	19980114
US19970834634	19970414	US19970832613	19970328	US19970955475	19971021
US19980200881	19981130	US19980170169	19981013	US19980168783	19981008
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US20010007970	20011113	US20020253963	20020924	US20020127734	20020422
US20040899520	20040726	US20070800792	20070507	US20090463257	20090508
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US20110151057	20110601	US20110103740	20110509	US20010833358	20010412
WO1999US25875	19991102				

Family:

Publication number	Publication date	Application number	Application date
AU200018118 A1	20000522	AU20000018118	19991102
AU200018118 A5	20000522	AU20000018118	19991102
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CA2349192 AA	20010503	CA19992349192	19991102
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US6259654 BA	20010710	US19980185137	19981103
US6346886 BA	20020212	US20000596715	20000619
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US7216802 BA	20070515	US19990426553	19991022
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US7933780 BB	20110426	US20010004941	20011203

US7941534 BB	20110510	US20040899520	20040726	
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WO0025720 A3	20000908	WO1999US25875	19991102	
WO0025720 B1	20001026	WO1999US25875	19991102	
WO0025720 C2	20010201	WO1999US25875	19991102	

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Agent(s): MBM AND CO; MOFFAT AND CO; QUARLES AND BRADY LLP; ANDRUS SCEALES STARKE AND SAWALL LLP; QUARLES AND BRADY

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 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 UZ VN YU ZA ZW

International class (IPC 8–9): A61J1/00 A61J1/03 A61J1/14 A61J7/00 A61J7/04 A61M5/14 A61M5/142 A61M5/168 B42D15/00 B65B59/00 B65C3/08 B65D85/00 E04C5/12 G04B37/00 G04B47/00 G04G15/00 G04G21/04 G06F1/00 G06F13/00 G06F15/173 G06F17/00 G06F17/60 G06F19/00 G06F21/00 G06K5/00 G06Q50/00 G07C9/00 G07F11/00 G07F17/00 G08B13/14 G09F3/00 G09F3/04 H04L29/06 (Advanced/Invention); G06F19/00 G06K17/00 (Advanced/Non–invention); A61J1/00 A61J1/14 A61J7/00 A61M5/142 A61M5/168 B65C3/00 E04C5/12 G04B47/00 G04G1/00 G04G15/00 G06F1/00 G06F17/00 G06F19/00 G06F21/00 G06K5/00 G07C9/00 G07F11/00 G07F17/00 G08B13/14 G09F3/00 G09F3/04 (Core/Invention); G06K17/00 (Core/Non–invention)

International class (IPC 1–7): A61J7/04 E04C5/12 G04B37/00 G04B47/00 G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F3/00 G08B13/14 G08B23/00 H04L9/00 H04L9/30 H04L9/32

CPC: Y10S707/99945 Y10S707/99948 G04R60/04 A61J2205/70 A61J2205/20 A61J2205/50 A61J2200/70 G06K2017/009 G04G15/006 G09F3/005 A61J2205/60 G04G21/04 A61J2205/10 A61M5/14212 A61M5/16827 A61M2205/3561 A61M2205/3569 A61M2205/3592 A61M2205/60 A61M2205/6063 A61M2205/6072 G06F19/323 G06F19/3468 G06Q50/22 G06Q50/24 G06F19/322 G06F19/326 G06F19/327 G06F19/3418 H04L63/0492 H04L63/0853 H04L63/105 H04L63/108 A61J2200/30 G06F21/35 G06F2221/2111 G07C9/00111 E04C5/12 A61J2205/30 A61J1/03 A61J1/1437 G06K19/07762 A61J7/0046 A61J7/04 A61J7/0481 A61J1/035 A61J7/0084 A61J7/0418 A61J7/0436 A61J7/0445 A61J7/0454 Y10T24/44077 Y10T24/44034 Y10T24/3909 G07C9/00182 G06F19/3462 G06F19/366 B41J29/00 B65C9/46 B41J3/4075 G01N2035/00861 B01L3/00

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US class: 1/1 156/42S 206/459.5 221/129 221/15 221/2 221/2S 221/9 221/9S 222/1 222/1S 235/375 235/375P 235/380 235/382 24/122.6 24/459 24/464 283/67 283/67S 283/81 340/10.41 340/10.51 340/3.1 340/5.1 340/5.61 340/5.74 340/5.8 340/5.81 340/539.1 340/539.12

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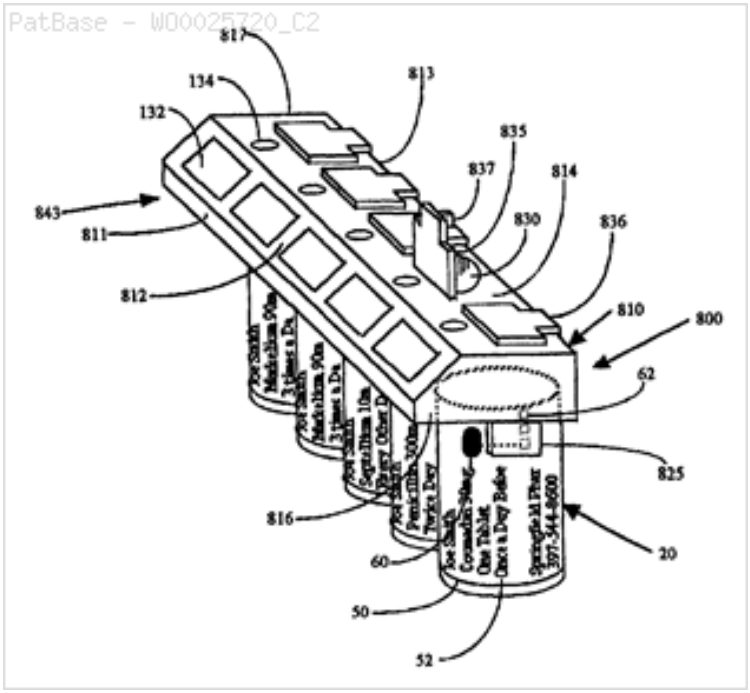
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Abstract:
Source: US2001017817A A method and apparatus for configuring indicating configurations for containers wherein at least a subset of indicating configurations include an enhanced indicating device such as an electronic storage device, the containers to include enhanced devices being a function of whether or not the end user uses an interacting device capable of receiving information from the enhanced devices, the method and system indicating whether or not standard or enhanced containers should be used for specific prescriptions or orders and, in some cases, automatically providing the correct container and specifying (i.e., printing and writing) information to the containers.



0) WO04083787A1 – FLOW METER DEBITMETRE

10) Family number: 31001090 (WO04083787A1) © PatBase

Title: FLOW METER

Priority: KR20030017889 20030321

Family:

Publication number	Publication date	Application number	Application date
KR100391250 B1	20030712	KR20030017889	20030321
WO04083787 A1	20040930	WO2004KR00605	20040319

Probable Assignee: YEA BYOUNG GI

Assignee(s):(std)**:** YEA BYOUNG GI

Inventor(s):(std)**:** YEA BYOUNG GI

International class (IPC 8–9)**:** G01F1/05 G01F15/07 G01F3/10 (Advanced/Invention); G01F1/05 (Advanced/Non–invention); G01F1/05 G01F15/00 G01F3/02 (Core/Invention)

International class (IPC 1–7)**:** G01F1/05

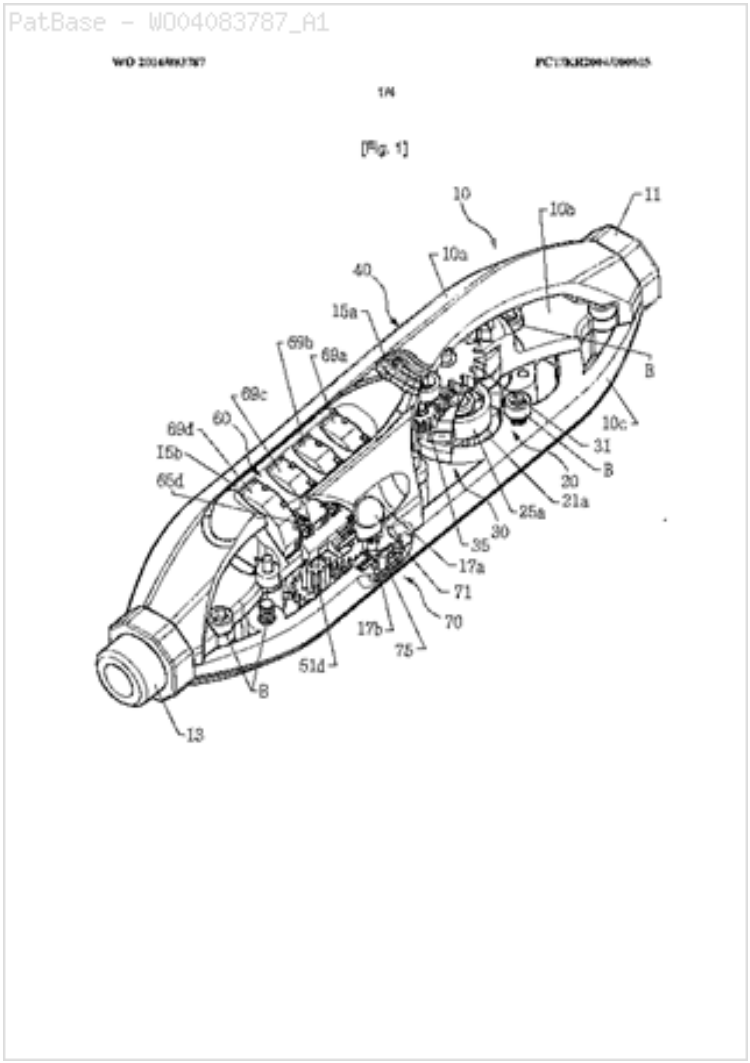
CPC: G01F3/10 G01F15/07

European class: G01F15/07 G01F3/10

Classification Explorer

Cited documents: US6048186 A, US5415041 A, US4329130 A,

Abstract:
The present invention relates generally to a flow meter, which is used for monitoring or measuring the rate of flow or discharge of a non−compressible fluid. In more detail, it relates to the mechanical flow meter, capable of measuring the integrated volume that has been discharged continuously through a conduit, and the residual volume that has been subtracted the discharged volume from the initial volume of a liquid. A flow meter in accordance with the present invention comprises: a body (10, 10a, 10b, 10c); a driving part (20) on which the flowing force acts directly; the slave part (30) to which the rotation of the driving part is transferred, and the measurement selection part (40), which makes the gear of the slave part rotate forward or reverse direction, thereby measuring the discharged or residual volume of fluid; the reduction gear train (50) for reducing the rotational speed of the gear owing to the rapid fluid flowing, thereafter, for transferring the reduced speed to the following meter part (60); and a meter part (60) for displaying the measurement of the discharged or residual volume of fluid, the reset part (70) capable of controlling the digits of the meter part (60), and the lock button (75) for locking and unlocking the reset part (70).



0) WO03003930A1 – APPARATUS AND METHODS FOR TREATING TISSUE APPA...

11) Family number: 41960212 (WO03003930A1) © PatBase

Title: APPARATUS AND METHODS FOR TREATING TISSUE

Priority: US20010898726 20010703 WO2002US20996 20020703

Family:

Publication number	Publication date	Application number	Application date
AU2002320248 AA	20030121	AU20020320248	20020703
EP1411849 A1	20040428	EP20020749755	20020703
EP1411849 A4	20091021	EP20020749755	20020703
WO03003930 A1	20030116	WO2002US20996	20020703

Probable Assignee: NIDUS MEDICAL LLC

Assignee(s):(std)**:** HOUSER RUSSELL A ; NIDUS MEDICAL LLC ; RAMEE STEPHEN R ; SADAAT VAHID

Inventor(s):(std)**:** HOUSER RUSSELL A ; RAMEE STEPHEN R ; SADAAT VAHID

Agent(s): FB RICE

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): A61B18/00 A61B18/14 A61B18/24 (Advanced/Invention); A61B17/00 A61B17/28 A61F2/24 A61N7/00 (Advanced/Non–invention)

International class (IPC 1–7): A61B18/18

CPC: A61B90/39 A61B2090/064 A61B18/00 A61B17/0401 A61B17/0469 A61B17/0487 A61B17/122 A61B17/1285 A61B17/29 A61B18/1442 A61B18/1477 A61B18/1492 A61B18/24 A61B2017/00084 A61B2017/00243 A61B2017/00867 A61B2017/0409 A61B2017/0412 A61B2017/0414 A61B2017/0427 A61B2017/0437 A61B2017/044 A61B2017/0451 A61B2017/0454 A61B2017/0458 A61B2017/0461 A61B2017/0464 A61B2017/0496 A61B2017/2945 A61B2018/00023 A61B2018/00083 A61B2018/00214 A61B2018/0022 A61B2018/00232 A61B2018/00273 A61B2018/00369 A61B2018/00791 A61B2018/00797 A61B2018/1253 A61B2018/126 A61B2018/1432 A61B2018/1435 A61F2/2445 A61F2/2451 A61F2/2454 A61N7/00 A61N7/02

European class: A61B17/04A A61B18/00 A61B18/14F A61B18/14N A61B18/14V A61B18/24 A61F2/24R2 K61B17/00C1T K61B17/00E1C K61B17/00S12 K61B17/04A24 K61B17/04A24R K61B17/04A30 K61B17/04A40A4 K61B17/04A40C K61B17/04A40L K61B17/04A40P K61B17/04A5 K61B17/04A50 K61B17/04A7 K61B17/04A8 K61B17/04E K61B17/04K K61B17/04T K61B17/122 K61B17/128E K61B17/29 K61B17/29J8 K61B18/00A2C K61B18/00B14 K61B18/00B14A K61B18/00B14A4 K61B18/00B16 K61B18/00B2G4 K61B18/00F6A4 K61B18/00H12B K61B18/00H12B1 K61B18/12G8A K61B18/12G8B K61B18/14C12C K61B18/14C14 K61B18/24 K61B19/46H K61B19/54 K61F2/24R2 K61F2/24R4 K61F2/24R6 K61N7/00 K61N7/02

Classification Explorer

Cited documents: WO9217118 A1, WO0128432 A1, WO0060995 A2, US6126682 A, US6004269 A, US5957916 A, US5855552 A, US5725521 A, US5492119 A, US5443446 A, US5336252 A,

Forward Citations: WO16008859, WO14176668, WO10080886, WO08003097, WO08003097, WO06132880, WO06116558, WO06116558, US9510837, US9510829, US9351783, US9060858, US9044246, US8974445, US8926603, US8821575, US8740920, US8740918, US8734505, US8545551, US8523883, US8500761, US8470028, US8409273, US8343174, US8333204, US8323334, US8216256, US8216230, US8187299, US8123703, US8057493, US8052592, US8038712, US8029518, US7998151, US7981123, US7976539, US7938827, US7811296, US7753923, US7736388, US7704269, US7632308, US7562660, US7556647, US7217284, US7186262, FR3023704, EP2396066, EP2376011, EP1748745, EP1748745, EP1648346,

Abstract:
Apparatus and methods are provided for thermally and/or mechanically treating tissue, such as valvular structures, to reconfigure or shrink the tissue in a controlled manner. The apparatus comprises a catheter (32) in communication with an end effector (34), which induces a temperature rise in an annulus of tissue surrounding the leaflets (l) of a valve or in the chordae tendineae (ct) sufficient to cause shrinkage, thereby causing the valves to close more tightly. Mechanical clips are implanted over the leaflets of a valve, e.g., in the heart (H), either alone or after thermal treatment to cause the valve to close more tightly. The clips are delivered by a catheter (32) and may be configured to traverse directly over the valve itself or to lie partially over the periphery of the valve to prevent obstruction of the valve channel. The clips can be coated with drugs or a radiopaque coating. Alternatively, individual anchors with a tensioning element, like a suture, may be used to approximate the valves towards each other. The catheter can also incorporate sensors (46) or energy delivery devices, e.g., transducers, on its distal end.

PatBase - WO03003930_A1

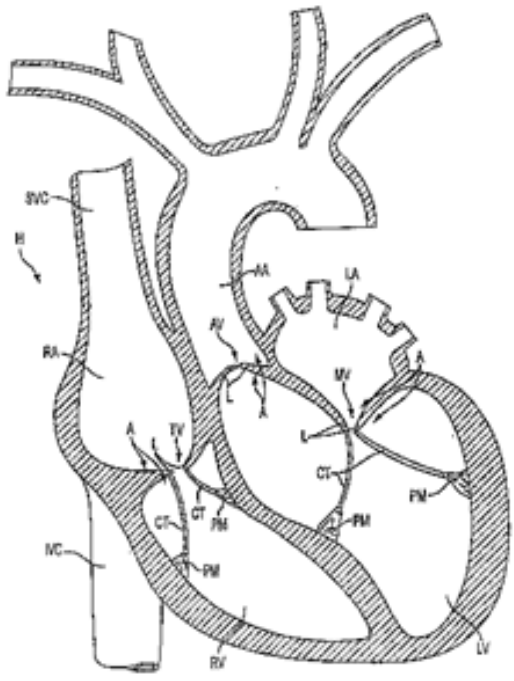


FIG. 1

0) US2004249392A – ANASTOMOSING INSTRUMENT

12) Family number: 31379455 (US2004249392A) © PatBase

Title: ANASTOMOSING INSTRUMENT

Priority: EP20040013049 20040602 JP20030162009 20030606

Family:

Publication number	Publication date	Application number	Application date
DE602004032594 D1	20110622	DE200460032594T	20040602
EP1484023 A1	20041208	EP20040013049	20040602
EP1484023 B1	20110511	EP20040013049	20040602
JP2004358046 A2	20041224	JP20030162009	20030606
JP4166632 B2	20081015	JP20030162009	20030606
US2004249392 AA	20041209	US20040859849	20040603
US7534248 BB	20090519	US20040859849	20040603

Probable Assignee: OLYMPUS CORP

Assignee(s):(std)**:** OLYMPUS CORP ; OLYMPUS OPTICAL CO

Inventor(s):(std)**:** MIKKAICHI TAKAYASU ; SUZUKI KEITA

Inventor(s): SUZUKI KEITA KOKUBUNJI SHI ; MIKKAICHI TAKAYASU FUCHU SHI

Agent(s): WUESTHOFF AND WUESTHOFF PATENTANWAELTE PARTG MBB; VON HELLFELD AXEL; SCULLY SCOTT MURPHY AND PRESSER PC

Designated states: DE FR GB IE

International class (IPC 8–9)**:** A61B17/04 A61B17/11 (Advanced/Invention); A61B17/00 A61B17/06 (Advanced/Non–invention); A61B17/03 A61B17/04 (Core/Invention); A61B17/00 A61B17/06 (Core/Non–invention)

International class (IPC 1–7)**:** A61B17/04 A61B17/11 A61B17/128

CPC: A61B17/0469 A61B17/0487 A61B17/11 A61B2017/00367 A61B2017/0404 A61B2017/0417 A61B2017/0454 A61B2017/0488 A61B2017/0496 A61B2017/06052

European class: A61B17/04E A61B17/04K A61B17/11 K61B17/00F K61B17/04A2 K61B17/04A20 K61B17/04A40C K61B17/04K5 K61B17/04T K61B17/06B

US class: 606/142 606/144 606/151 606/232

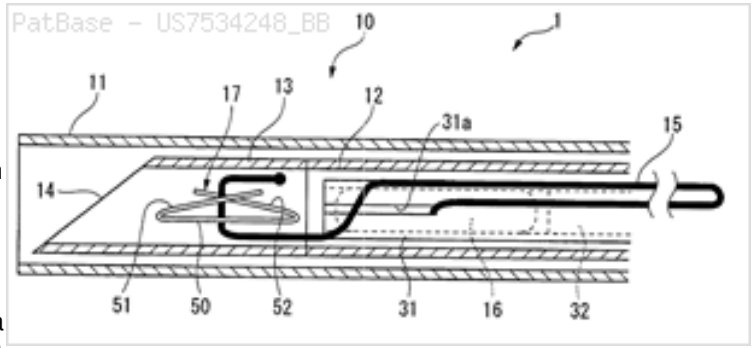
Classification Explorer

Cited documents: US7087073 BB, US6997189 BB, US6699263 BB, US6635073 BB, US6491707 BB, US6319271 BA, US6074409 A, US6071292 A, US6068648 A, US6056760 A, US5879371 A, US5810848 A, US5725556 A, US5665109 A, US5470337 A, US5464426 A, US5405359 A, US5330442 A, US5269809 A, US5041129 A, US5021059 A, US4235238 A, US3961632 A, US2003191497 AA, JP59021775 A2, JP2002191608 A2, JP2002191608, JP2001507972 T2, JP2000501638 T2, JP2000501638, JP2000225118 A2, JP2000225118, JP10211206 A2, JP10211206, JP04231946,

Forward Citations: WO07075981, WO07008565, US9592048, US9585651, US9572558, US9549730, US9549725, US9510817, US9504461, US9498203, US9498202, US9492162, US9414837, US9357994, US9332980, US9320511, US9314362, US9314234, US9265514, US9247935, US9247934, US9211119, US9173657, US9161749, US9155528, US9119615, US9113879, US9113868, US9113867, US9113866, US9060751, US9011454, US8992547, US8945152, US8940001, US8926634, US8920441, US8911456, US8900252, US8888848, US8888798, US8870916, US8834562, US8828027, US8821518, US8808299, US8777984, US8728121, US8726909, US8721657, US8702753, US8702731, US8663253, US8585733, US8579933, US8574243, US8562631, US8556925, US8500809, US8475471, US8465505, US8460321, US8449533, US8444657, US8425555, US8398668, US8382775, US8360069, US8356605, US8353925, US8343175, US8342183, US8308766, US8308765, US8298291, US8262676, US8257394, US8241279, US8236009, US8216260, US8216253, US8216252, US8187297, US8128657, US8105355, US8070768, US8070673, US8066719, US8057511, US8001974,

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Abstract:
Source: US2004249392A The present invention aims to provide an anastomosing instrument that can anastomose biological tissue with surety. This anastomosing instrument has an inserted portion, which is inserted into a body cavity and is provided with a puncture needle, and a hand−operated portion, which the surgeon operates from outside the body. This anastomosing instrument is designed as follows. Namely, an anchoring member for anchoring in biological tissue and a locking member for fastening on a suture material are housed inside the puncture needle. A first pushing member, for pushing the locking member out from the puncture needle ahead of the anchoring member, and a second pushing member, for pushing the anchoring member out from the puncture needle are passed through from the hand−operated portion.



0) US5900534A – DENSITOMETER

13) Family number: 15180181 (US5900534A) © PatBase

Title: Densitometer

Priority: US19960726942 19961007 WO1997US18062 19971007

Family:

Publication number	Publication date	Application number	Application date
AU199748099 A1	19980505	AU19970048099	19971007
AU725475 B2	20001012	AU19970048099	19971007
CA2267886 AA	19990406	CA19972267886	19971007
CN1240024 A	19991229	CN19971080385	19971007
EP0929801 A1	19990721	EP19970910821	19971007
EP0929801 A4	20010314	EP19970910821	19971007
NZ335089 A	20001222	NZ19970335089	19971007
US5900534 A	19990504	US19960726942	19961007
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Probable Assignee: NATURAL FUELS CORP

Assignee(s):(std)**:** NATURAL FUELS CORP

Assignee(s): SMITH THOMAS ; FOSTER JAMES ; MARCUM FUEL SYSTEMS INC ; MILLER CHARLES E

Inventor(s):(std)**:** CHARLES E MILLER ; FOSTER JAMES ; JAMES FOSTER ; MILLER CHARLES E ; SMITH THOMAS ; THOMAS SMITH

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR

Designated states: AL AM AT AU AZ BA BB BE BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LI 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 SL SZ TJ TM TR TT UA UG UZ VN YU ZW

International class (IPC 8–9): F17C13/02 G01F1/86 G01F15/04 G01N9/00 (Advanced/Invention); G01N9/00 (Core/Invention)

International class (IPC 1–7): F17C13/02 G01F1/68 G01F1/86 G01F15/04 G01N9/00

CPC: G01N9/002

European class: G01N9/00B

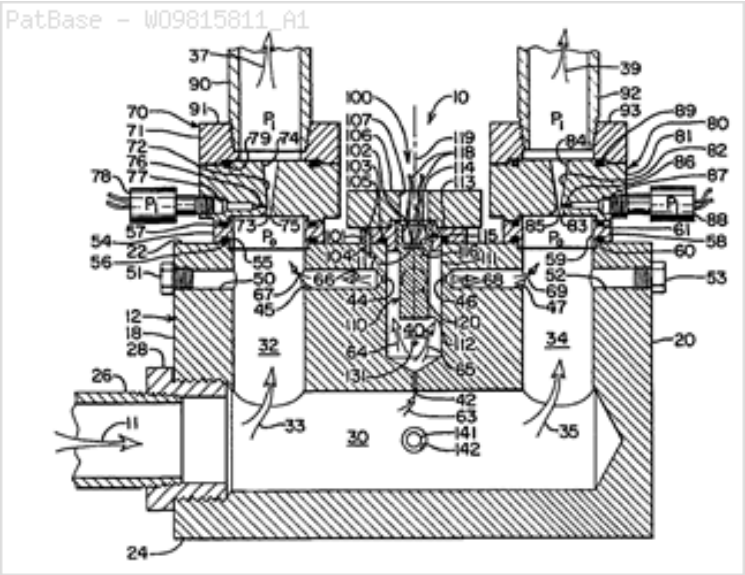
US class: 73/24.05 73/240.5 73/861.01

Classification Explorer

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Abstract:
Source: US5900534A A densitometer (10) includes a gas sample plenum (40) that is connected to a gas supply pipe (26) via a flow–restricted inlet duct (42) to at least partially isolate and damp the sample plenum (40) from shocks and noises, turbulences, and abrupt pressure changes in the gas supply. A cantilevered vane (110) is positioned in the sample plenum (40) for gas density determinations on the principle that resonant frequency of the vane (110) is a function of the density of the gas in the sample plenum (40). The resonant frequency of the vane (110) in the gas is determined by applying a magnetic field generated by a driver assembly 120 against the vane (110) and detecting the resonant frequency with a vibration detector (117), which is connected to the driver assembly 120 in a phase locked loop.



14) Family number: 44432240 (US2010044102A) © PatBase

Title: METHODS AND APPARATUS FOR REMOVAL AND CONTROL OF MATERIAL IN LASER DRILLING OF A BOREHOLE

Priority:

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Family:

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Probable Assignee: FORO ENERGY INC

Assignee(s):(std)**:** MOXLEY JOEL F ; LAND MARK S ; KOBLICK YESHAYA ; GRUBB DARYL L ; GRAY WILLIAM C ; MCKAY RYAN P ; KOLACHALAM SHARATH K ; MAKKI SIAMAK ; JONES ALBERTUS REBECCA ; FRAZE JASON D ; FORO ENERGY INC ; LINYAEV EUGENE J ; MARSHALL SCOTT A ; MESNARD DAVID R ; HAVLINEK KENNETH L ; KOLACHALAM SHARARTH ; FAIRCLOTH BRIAN O ; FAIRCLOTH BRAIN O ; DEWITT RON A ; DEWITT RONALD A ; FORD ENERGY INC ; FAIRDOTH BRIAN O ; FORO EHNERDZHI INK ; LINYAEV EUGENCE J ; KOLACHALAM SHARARTH K ; NEHLSEN JAMES P ; RINZLER CHARLES C ; ZEDIKER MARK S ; UNDERWOOD LANCE D ; SCHROIT SAM N ; NORTON RYAN J ; VOLKMAR JOHN F ; ALLEN ERIK C ; CHEVRON USA INC ; DE WITT RONALD A ; DEUTCH PAUL D

Assignee(s): DEUTSCH PAUL D ; YEARWOOD JOHN ; ZIMMERMAN TOM ; ELY JOHN L ; ENERGY UNITED STATES DEPARTMENT OF ; KELLERMANN FRED C

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Inventor(s): DEUTSCH PAUL D ; MARK SZEDIKER ; JOEL FMOXLEY ; ERIK C ALLEN ; CHARLES CRINZLER ; BRIAN OFAIRCLOTH

Agent(s): SPRUSON AND FERGUSON; CASSAN MACLEAN; BUNGARTZ KLAUS PETER; TERSTEEGEN FELIX; SABA AND CO TMP; ITOH SHIGERU; BRINKS HOFER GILSON AND LIONE; FORO ENERGY/BHGL; FORO ENERGY BHGL; GLEN; GLEN P; STEPTOE AND JOHNSON LLP; STEPTOE AND JOHNSON; BRIAN; STEPTOE AND JOHNSON LLC; BELVIS GLEN P; FREEMAN JOHN C; BELVIS GLEN 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 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): B01J19/12 B08B7/00 B08B9/02 B08B9/023 B08B9/027 B08B9/055 B23K26/00 B23K26/04 B23K26/06 B23K26/064 B23K26/073 B23K26/08 B23K26/10 B23K26/12 B23K26/122 B23K26/14 B23K26/16 B23K26/24 B23K26/352 B23K26/36 B23K26/38 B23K26/382 B23K26/40 B23K26/402 B23P11/00 B63B17/00 B63B35/28 B63C11/40 B63C11/44 B63C11/48 B63G8/00 B63G8/08 B65H55/00 B65H59/00 E01C23/08 E01C23/12 E02B17/00 E02D17/00 E21B10/00 E21B10/50 E21B10/54 E21B10/60 E21B17/00 E21B17/20 E21B19/00 E21B19/22 E21B21/00 E21B21/08 E21B21/10 E21B21/14 E21B21/16 E21B23/00 E21B23/14 E21B29/00 E21B29/02 E21B33/00 E21B33/06 E21B33/064 E21B33/12 E21B33/13 E21B37/00 E21B4/02 E21B4/04 E21B41/00 E21B41/04 E21B43/00 E21B43/11 E21B43/114 E21B43/119 E21B43/26 E21B43/267 E21B44/00 E21B47/00 E21B47/113 E21B47/12 E21B7/00 E21B7/14 E21B7/15 E21B7/16 E21C35/00 E21C37/16 E21C37/18 E21C41/00 E21D9/10 F21V15/01 F21V15/06 F21V29/00 F21V8/00 G01J1/04 G01M11/00 G01M5/00 G02B26/08 G02B27/14 G02B27/20 G02B6/02 G02B6/32 G02B6/36 G02B6/38 G02B6/42 G02B6/44 H01J27/24 H01J40/14 H01L21/00 H01L31/00 H01L31/055 H01S3/00 H01S3/04 H01S3/30 H01S5/024 H01S5/40 H02G1/08 H04B10/079 (Advanced/Invention); B08B7/00 B63B19/00 B63B21/00 B63B35/00 E02B17/00 E21B15/00 E21B43/00 E21B43/116 E21B49/00 E21B7/04 E21B7/15 G02B6/32 G02B6/38 G02B6/42 G02B6/50 (Advanced/Non–invention); B65H55/00 E21B17/00 E21B7/00 E21B7/14 G02B6/44 (Core/Invention)

CPC: E21B4/18 E21B17/203 E21B21/12 E21B21/16 H01L31/03046 Y02E10/544 H04B10/807 H01L2224/45147 H01L2924/01015 H01L2924/01047 H01L2924/00014 B63B35/28 E21C37/18 E21D9/1073 E21B21/103 G02B6/4413 B23K26/0626 B23K37/0288 E02B2017/0095 B23K26/24 B23K26/36 G02B6/4402 E01C23/08 E21B4/02 E21C25/00 E21D9/08 E01C23/12 E21B44/00 E21B33/076 E21B36/04 E21B37/00 E21B37/08 F17D5/00 B08B9/04 B08B9/0436 B08B7/0071 B08B9/023 B08B9/027 B23K26/0093 B23K26/0648 B23K26/10 E21B4/04 E21B2023/008 H01L31/0201 H01L31/022433 H01L31/0508 H01L31/054 E02B2017/0052 E21B19/002 B08B9/02 B08B9/055 G02B6/502 G02B6/3814 B23K26/064 B23K26/402 B23K2203/30 B23K26/142 B23K26/40 B63G2008/007 B63G8/001 E21B41/04 B23K26/1462 E01C23/127 G01M5/0025 G01M5/0033 G01M5/0091 G01M11/35 E21B21/00 Y02E10/52 E21B21/08 G02B6/4415 G02B6/443 G02B6/4436 G02B6/4492 B23K2203/52 E21B33/064 E21B33/063 B23K26/12 B23K26/14 B63B17/00 B63B19/00 B63B21/00 B63B35/00 E02D17/00 B08B7/0042 B23K26/0652 B23K26/127 B23K2203/10 B23K26/0732 B23K26/0736 H01S3/04 G02B6/44 E21C25/64 E21C27/24 H01S3/0675 H01S3/094003 H01S3/094042 H01S3/1608 H01S3/1616 E21B10/60 B08B9/043 E21B43/00 E21B43/01 G21C17/017 E21B17/00 G02B6/02395 E21B7/14 B23K26/0096 B23K26/04 B23K26/1464 E21B29/02 H01S3/0064 G02B6/4427 G02B2006/4297 E21B43/119 B23K26/00 E21B43/26 E21B43/11 E21B7/15 G02B6/3813 G02B6/3818 B23K26/146 B23K26/382 B23K2203/50 H01S3/0071 B23K26/16 B23K26/122 B23K2201/04 B23K26/282 B23K26/38 B60P1/5423 B66C23/36 E21B41/00 B23K26/106 H01S5/02423 G02B23/2492 H01S3/005 G02B26/0875 G02B6/32 G02B6/3624 G02B6/4296 E21B29/00 E21B33/1204 E21B33/13

European class: B08B7/00S2 B23K26/00M B23K26/06C B23K26/06C3 B23K26/06C5 B23K26/10 B23K26/10R1 B23K26/12B B23K26/12F B23K26/14D B23K26/14N1 B23K26/38 B23K26/40B7 B63G8/00B E21B10/60 E21B17/20B E21B21/08 E21B21/12 E21B21/16 E21B4/18 E21B7/14 E21B7/15 G02B6/44C1 G02B6/44C6 G02B6/44C7A H04B10/807 L23K203/10 S02B6/42H S02B6/44C10 S02B6/44C5B S02B6/44C6 S02B6/44C7A S02B6/44C7F

US class: 1/1 114/26 114/312 114/313 114/337 134/1.1 166/242.2 166/250.1 166/280.1 166/288 166/297 166/304 166/361 166/376 166/384 166/385 166/55.1 166/55.2 166/65.1 166/65.100S 166/66 166/77.1 166/77.2 175/107 175/11 175/15 175/15P 175/16 175/162 175/16P 175/16S 175/40 175/424 175/57 175/65 175/65S 175/92 175/92S 219/121.61 219/121.67 219/121.670S 219/121.7 219/121.72 219/121.720P 219/121.84 219/60R 219/61 242/159 242/159S 250/215 250/227.11 250/492.1 250/492.100P 254/134.3FT

254/134.3R 254/134.4 29/428 29/428S 299/14 299/29 362/259 362/317 362/553 362/553S 372/14 372/4 385/100 385/102 385/104 385/109 385/109P 385/111 385/12 385/13 385/134 385/88 385/89 385/92 385/93 385/94

Classification Explorer

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JP2012500350 T2, JP2012500350, JP2009175545 A2, JP2008242012 A2, JP2007120048 A2, JP2006509253 T2, JP2006509253, JP2006307481 A2, JP2006039147 A2, JP2004283837 A2, JP2004108132 A2, JP2003239673 A2, JP2002296189 A2, JP2002296189, JP2001208924 A2, JP2001154070 A2, JP2000334590 A2, JP1993118185, JP1993033574, JP1987011804, JP09072738, JP05118185, GB2420358 B2, GB2420358 A1, GB2255199, GB1284454 A, FR2716924 A1, EP1096285 A2, EP0950170 B1, EP0950170, EP0619508, EP0565287 A1, EP0515983 A1, EP0295045 A2, EP0151909, DE4429022 A1, CN101405474, CA2576756 AA,

Forward Citations: WO17015116, WO16199514, WO16161283, WO16148830, WO16141202, WO16123166, WO16108848, WO16090229, WO16085490, WO16067272, WO15175025, WO15136453, WO15089458, WO15088553, WO15087209, WO15084988, WO15076778, WO15057125, WO15041700, WO15037985, WO15009424, WO15004532, WO15001377, WO14197314, WO14149114, WO14149114, WO14144981, WO14144591, WO14123538, WO14100589, WO14089544, WO14089544, WO14086911, WO14086911, WO14078663, WO14078663, WO14078179, WO14070864, WO14036430, WO14036430, WO13162551, WO13130302, WO13113002, WO13113002, WO13086227, WO13081867, WO13051611, WO13049625, WO13023020, WO13012684, WO12167102, WO12161797, WO12161789, WO12148546, WO12116284, WO12116189, WO12116189, WO12116153, WO12116148, WO12102931, WO12096966, WO12096966, WO12096785, WO12031009, WO12024285, WO12012436, WO12012436, US9566443, US9562395, US9561547, US9559463, US9551839, US9545692, US9535211, US9534453, US9534447, US9512679, US9506317, US9494739, US9453373, US9429742, US9419388, US9414498, US9410376, US9409255, US9399269, US9383520, US9371693, US9370840, US9366827, US9360643, US9360631, US9359848, US9347271, US9335112, US9334031, US9328603, US9327810, US9322234, US9321514, US9316053, US9310248, US9291017, US9284783, US9274292, US9267330, US9255849, US9252559, US9250390, US9249656, US9248524, US9244235, US9242309, US9240655, US9223093, US9217291, US9207405, US9200490, US9195006, US9194183, US9188746, US9181754, US9168612, US9156121, US9138786, US9132495, US9116296, US9090315, US9089928, US9085050, US9080425, US9074422, US9048632, US9027668, US8997894, US8983259, US8967298, US8936108, US8908266, US8879876, US8875807, US8869914, US8869887, US8837541, US8826973, US8820434, US8783361, US8783360, US8760644, US8757292, US8746369, US8726987, US8720584, US8701794, US8684088, US8675694, US8664563, US8662160, US8636085, US8627901, US8571368, US8567523, US8511401, US8503070, US8424617, US8380024, US2017031111, US2016349403, US2016299304, US2016215578, US2016186497, US2016167168, US2016153240, US2016128387, US2016072248, US2016043504, US2015357868, US2015352671, US2015349473, US2015307174, US2015273696, US2015256034, US2015253513, US2015233183, US2015204161, US2015176356, US2015165618, US2015165559, US2015155074, US2015153521, US2015129307, US2015129203, US2015090175, US2015083698, US2015068804, US2015041149, US2015034144, US2015027692, US2015003496, US2014339412, US2014332275, US2014321236, US2014305635, US2014299375, US2014273610, US2014263220, US2014248025, US2014238964, US2014231398, US2014231085, US2014204387, US2014190751, US2014158425, US2014147077, US2014126330, US2014112699, US2014090666, US2014041940, US2013301993, US2013228557, US2013226460, US2013175090, US2013140288, US2013140039, US2013112478, US2013032404, US2013032398, US2013026144, US2013011102, US2013008669, US2012300057, US2012273269, US2012267168, US2012266803, US2012255933, US2012255775, US2012255774, US2012248078, US2012224809, US2012195334, US2012080229, US2012068086, US2012067643, US2011220409, US2011205652, US2011198092, US2010215326, US2010044106, US2010044105, US2010044104, US2010044103, US2010044102, US2009266871, JP6025917, JP2015500571, JP2015017498, JP2014508032, JP2014503365, JP2013542352, JP2013092036, GB2538866, GB2533744, GB2524911, GB2517223, EP3069817, EP3020501, EP2994610, EP2991799, EP2929602, EP2890859, EP2820466, DE102013210297, CN105765154, CN105598577, CN105041209, CN104932454, CN104802971, CN104691727, CN104360402, CN103842612, CN103827434, CN103502564, CN103135169, CN102322216, AU2014253495, AU2012346341, AU2012259435,

Abstract:
Source: US2010044102A There is provided a system, apparatus and methods for removal of material for the path of a laser beam during laser drilling of a borehole and for removal of displaced borehole material from the borehole during laser drilling. In particular, there are provided paths, dynamics and parameters of fluid flows, and apparatus for obtaining such, for use in conjunction with a laser bottom hole assembly.

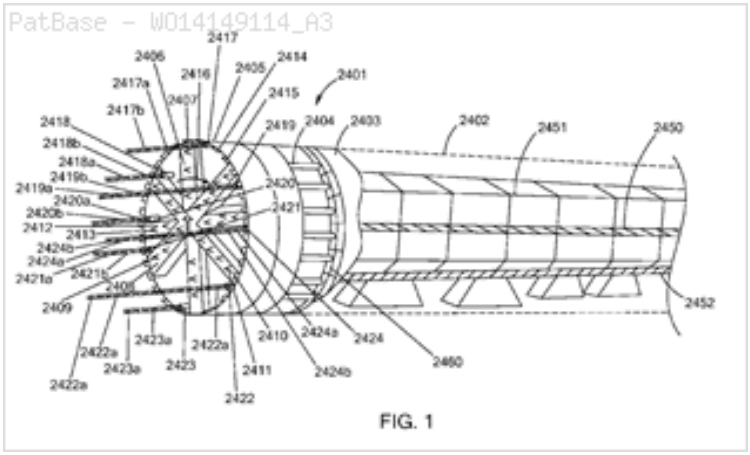


FIG. 1

0) US2004093817A – REFINEMENTS TO THE CONSTRUCTION SYSTEMS FOR STR...

15) Family number: 28838032 (US2004093817A) © PatBase

Title: REFINEMENTS TO THE CONSTRUCTION SYSTEMS FOR STRUCTURES IN REINFORCED CONCRETE OR SOME OTHER MATERIAL BY MEANS OF HIGH–PRECISION INTEGRAL MODULAR FORMS

Priority: ES20020000264 20021118 ES20020002648 20021118 US20060495544 20060731 US20030697203 20031030

Family:

Publication number	Publication date	Application number	Application date
DE10353277 A1	20090507	DE20031053277	20031114
ES2281212 AA	20070916	ES20020002648	20021118
ES2281212 BA	20080816	ES20020002648	20021118
FR2850415 A1	20040730	FR20030005952	20030519
FR2850415 B1	20070406	FR20030005952	20030519
GB200310568 A0	20030611	GB20030010568	20030508
GB2395221 A1	20040519	GB20030010568	20030508
GB2395221 B2	20060104	GB20030010568	20030508
US2004093817 AA	20040520	US20030697203	20031030
US2006260238 AA	20061123	US20060495544	20060731

Probable Assignee: SIST S INDUSTRIALIZADOS BARCON

Assignee(s):(std): BARCONS SALVADOR P ; BARCONS SALVADOR PUJOL ; PUJOL BARCONS SALVADOR ; SIST S INDUSTRIALIZADOS BARCON

Assignee(s): SISTEMAS INDUSTRIALIZADOS BARCONS S L ; SISTEMAS INDUSTRIALIZADOS BARCONS SL ; SISTEMAS INDUSTRIALIZADOS BARCONS S L POLIGONOINDU ; SISTEMAS INDUSTRIALIZADOS BARCONS S L PUERTO DESANTA MARIA ; SISTEMAS INDUSTRIALIZADOS BARCONS S L POLIGONOINDUSTRIAL LAS SALINAS DE LEVANTE ; SALVADOR PUJOL BARCONS

Inventor(s):(std): BARCONS SALVADOR P ; BARCONS SALVADOR PUJOL ; PUJOL BARCONS SALVADOR

Inventor(s): SALVADOR PUJOL BARCONS

Agent(s): CABINET NETTER; CROWELL AND MORING LLP, INTELLECTUAL PROPERTY GROUP

International class (IPC 8–9): E02D27/01 E04B1/16 E04B1/18 E04G1/36 E04G11/02 E04G11/06 E04G11/08 E04G11/10 E04G11/20 E04G11/28 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/00 E04G15/02 E04G15/06 E04G17/00 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00 E04G21/00 E04G21/02 E04G21/12 E04G25/00 E04G27/00 E04G9/02 E04G9/08 (Advanced/Invention); E02D27/01 E04B1/16 E04B1/18 E04G1/36 E04G11/00 E04G13/00 E04G15/00 E04G17/00 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00 E04G21/00 E04G21/02 E04G21/12 E04G25/00 E04G27/00 E04G9/02 E04G9/08 (Core/Invention)

International class (IPC 1–7): B28B7/22 E02D1/00 E04B1/00 E04F10/00 E04G1/00 E04G11/02 E04G21/00

CPC: E04G19/00 E02D27/01 E04B1/161 E04G1/36 E04G11/02 E04G11/087 E04G11/10 E04G11/20 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/02 E04G15/06 E04G17/001 E04G17/002 E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/003 E04G19/006 E04G21/025 E04G21/122 E04G27/00 E04G15/00 E04G17/00 E04G25/00

European class: E02D27/01 E04B1/16A E04G1/36 E04G11/02 E04G11/08D E04G11/10 E04G11/20 E04G11/38 E04G11/48 E04G13/00 E04G13/02 E04G13/04 E04G13/06 E04G15/00 E04G15/02 E04G15/06 E04G17/00 E04G17/00B E04G17/00D E04G17/04 E04G17/06 E04G17/14 E04G17/16 E04G19/00A E04G19/00B E04G21/02B E04G21/12C E04G25/00 E04G27/00

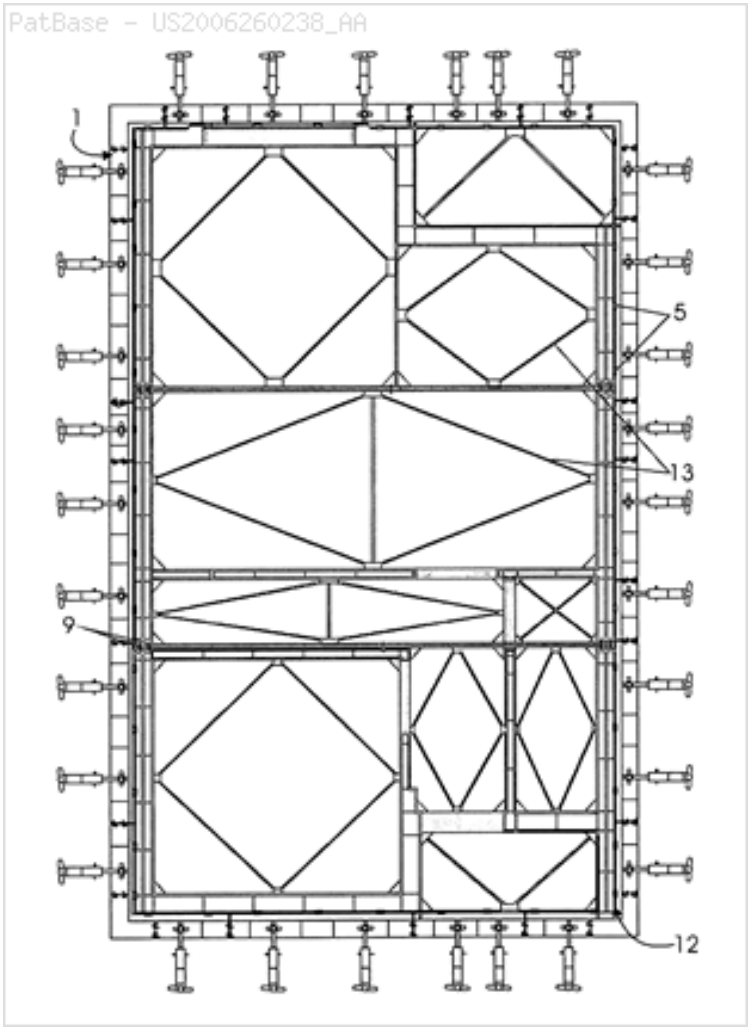
US class: 249/13 52/294 52/414

Classification Explorer

Cited documents: WO9841714 A1, WO9728939 A1, WO0248479 A2, US6158710 A, US3357673 A, US2846749 A, US2526529 A, US2004079859 AA, US2003209648 AA, US1747036 A, FR622331 A, FR2384919 A1, FR1352779 A, ES2142222 AA, ES2120298 AA, EP0436392 A1, EP0123264 A2, DE3536523 C2, DE3536523 A1, DE3129838 A1,

Forward Citations: WO13023330, WO10112633, WO08145790, US9453345, US9441365, US9359780, US9315987, US9273479, US9273477, US9206614, US9080337, US8943774, US8844241, US8793953, US8763328, US8555590, US8458985, US8458969, US8326664, US7698866, US7658051, US7191528, US7055251, US2015191924, US2011301995, US2011131914, US2010223867, US2010119336, US2006207113, US2006107543, US2006042183, ES2308934, EP2461118, EP2461118, CN105019651, CN103470031, CN103276895, CN103276895, CN103195079, CN103104094, CN103104094, CN102720361, CN102425303, CN101942841,

Abstract:
Source: US2004093817A A foundation framework for structures in a reinforced setting material includes a foundation raft with a form having a plurality of modular panels and angular reinforcements for joining at least two faces of at least one right−angle dihedral formed by faces of the modular panels. A layout and positioning template is disposed on top of the form of the foundation raft for correctly dimensioning, positioning, and fitting walls, installations and reinforcements in the foundation raft. Adjustment legs for centering the layout and positioning template are provided, as well as self−centering clamps and a stabilizer having security pins and an anchorage mechanism for securing the form to a support surface.



0) US4374420A – METHOD OF ACCURATELY DREDGING A DESIRED PROFILE...

16) Family number: 2688167 (US4374420A) © PatBase

Title: Method of accurately dredging a desired profile contour

Priority: NL19790003782 19790514

Family:

Publication number	Publication date	Application number	Application date
BR8003001 A	19801223	BR19800003001	19800514
DE3066133 D1	19840223	DE19803066133	19800425
DE3066134 D1	19840223	DE19803066134	19800425
DE3066135 D1	19840223	DE19803066135	19800425
DE3066136 D1	19840223	DE19803066136	19800425
EP0019317 A2	19801126	EP19800200380	19800425
EP0019317 A3	19810128	EP19800200380	19800425
EP0019317 B1	19840118	EP19800200380	19800425
EP0019318 A2	19801126	EP19800200381	19800425
EP0019318 A3	19810128	EP19800200381	19800425
EP0019318 B1	19840118	EP19800200381	19800425
EP0019319 A2	19801126	EP19800200382	19800425
EP0019319 A3	19810121	EP19800200382	19800425
EP0019319 B1	19840118	EP19800200382	19800425
EP0019949 A2	19801210	EP19800200379	19800425
EP0019949 A3	19810121	EP19800200379	19800425
EP0019949 B1	19840118	EP19800200379	19800425
JP55159030 A2	19801210	JP19800064663	19800514
US4374420 A	19830215	US19800144650	19800428

Probable Assignee: BALLAST NEDAM GROEP NV

Assignee(s):(std)**:** BALLAST NEDAM GROEP NV

Assignee(s): BALLAST NEDAM GROEP N V

Inventor(s):(std)**:** WOLTERS TJAKO AALDRIK ; JIYATSUKO AARUTORITSUKU BUORUT ; WOLTERS TJAKO A ; TJAKO AALDRIK WOLTERS

Designated states: BE DE FR GB IT NL SE

International class (IPC 8–9)**:** E02F3/90 E02F3/92 E02F9/06 E02F9/20 G05B19/425 (Advanced/Invention); E02F3/88 E02F9/00 E02F9/20 G05B19/425 (Core/Invention)

International class (IPC 1–7)**:** E02F3/18 E02F3/88 E02F9/20 G05B19/42 G05D1/10

CPC: E02F3/907 E02F3/9231 E02F9/065 E02F9/2045 G05B19/425 G05B2219/42268 G05B2219/49392

European class: S05B219/42268 S05B219/49392

US class: 364/424 37/308 37/309 37/331 701/50

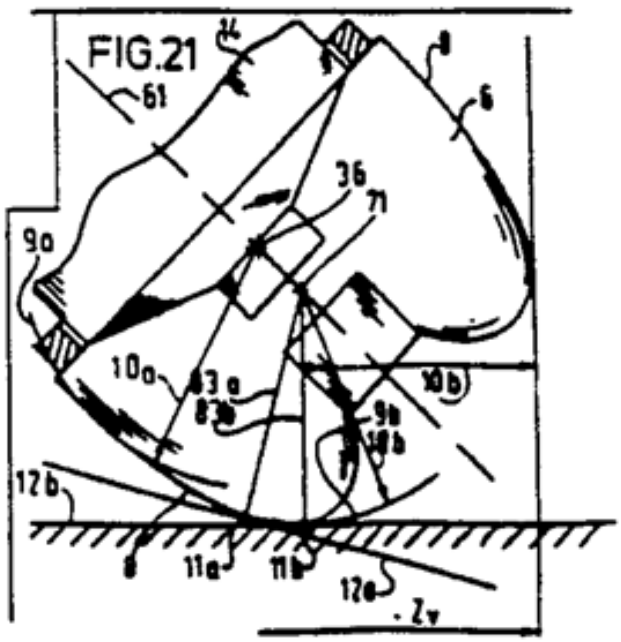
Classification Explorer

Cited documents: US4242815 A, US4181115 A, US4177585 A, US4166543 A, US4156317 A, US4150326 A, US4149251 A, US4133033 A, US4129224 A, US4106335 A, US4084334 A, US4033056 A, US3919791 A, US3783253 A, US3739176 A, US3648998 A, US3241020 A, US2233943 A, US2002749 A, NL6803487 A, NL6706196 A, GB820189 A, GB1486158 A, GB1277401 A, GB1240896 A, FR2382577 A1, FR2378908 A1, FR2258305 A1, FR1399513 A, DE2735632 A1, DE1658028 A1,

Forward Citations: WO9401812, USRE39834, US9353501, US7399139, US7144191, US6171021, US5005652, US2015082670, US2012016557, US2012000098, US2008016726, US2005265785, US2005147467, KR101235973, JP2011219925, FR2637625,

Abstract:
Source: US4374420A The method of dredging accurately to a desired profile contour with a cutting dredger involves the operation of a cutting assembly, the cutting tools of which describe a predetermined cutting envelope, and swinging the cutting assembly while the dredger is anchored at a known point. The known point is established by means of land–based radio beacons and an aerial aboard the dredger, the dredger being anchored at the known point while the longitudinal axis of the dredger is aligned or substantially aligned with the longitudinal axis of the desired profile contour. As the dredger is swung with the cutting tools engaging the material to be dredged, the location of geometric points of the dredger assembly are repetitively calculated with respect to the coordinate system of the desired profile contour, taking into account various angular relationships between and among such points and by also taking into account motions of the dredger as affected by wave and/or tide actions. The swinging is terminated when the cutting point on the predetermined cutting envelope closely approaches the desired profile contour.

PatBase - US4374420_A



17) Family number: 28526814 (US2003188695A) © PatBase

Title: AUTOMATED WATER TREATMENT AND DELIVERY APPARATUS

Priority: US20000604774 20000628 US20020198741 20020719 US20030428771 20030505

Family:

Publication number	Publication date	Application number	Application date
US2003188695 AA	20031009	US20030428771	20030505
US6557492 BA	20030506	US20020198741	20020719

Probable Assignee: SEACHICK INC

Assignee(s):(std)**:** SEA CHICK INC

Assignee(s): SEACHICK INC ; ROBOHM DONALD

Inventor(s):(std)**:** ROBOHM DONALD

International class (IPC 8–9)**:** A01K63/02 (Advanced/Invention)

International class (IPC 1–7)**:** A01K63/02 A01K63/04

CPC: A01K63/02

European class: A01K63/02

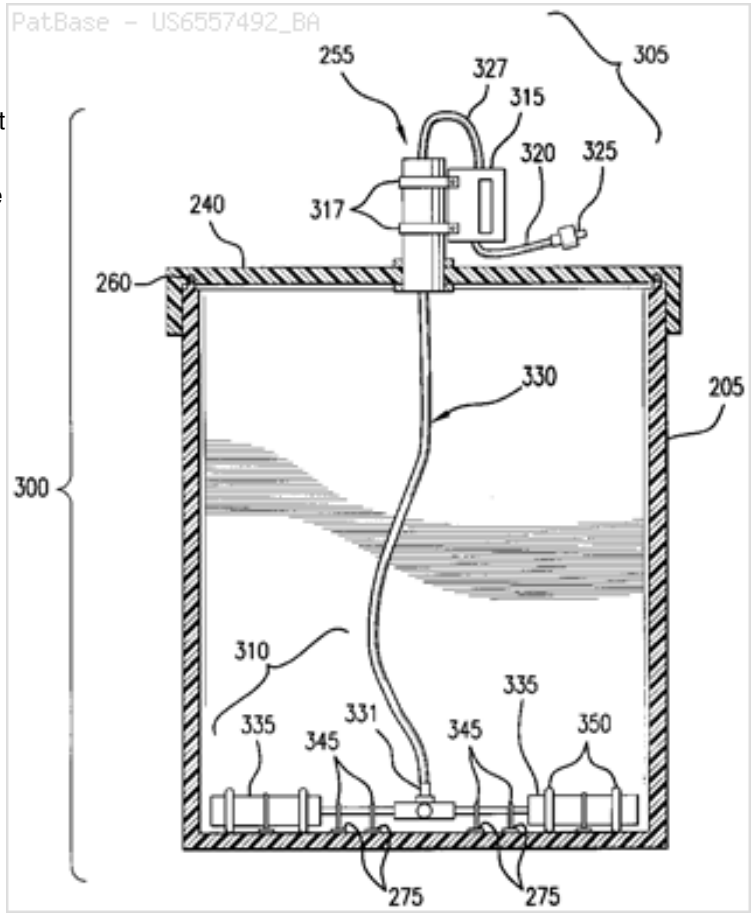
US class: 119/203 119/261

Classification Explorer

Cited documents: US6557492 BA, US6117313 A, US6059270 A, US6050550 A, US6033569 A, US5968503 A, US5762024 A, US5722345 A, US5572952 A, US5556536 A, US5463983 A, US5397463 A, US5310427 A, US5309868 A, US5234581 A, US5160622 A, US5138975 A, US5117777 A, US5100543 A, US5076210 A, US4919079 A, US4880740 A, US4844012 A, US4815411 A, US4684462 A, US4455966 A, US4202291 A, US4182267 A, US4089298 A, US3981273 A, US3638616 A,

Forward Citations: WO17004722, WO14066524, WO12024425, WO08097108, WO08018673, WO08004252, WO05043990, WO05043990, WO05041655, WO05039280, US9523090, US9512398, US9511333, US9492404, US9463991, US9402803, US9359237, US9295247, US9272000, US9198929, US9089122, US9034195, US9011922, US9004743, US8980325, US8962700, US8822535, US8815292, US8784898, US8784897, US8617616, US8609148, US8597689, US8591957, US8470893, US8449172, US8445546, US8410182, US8349191, US7993681, US7919534, US7905540, US7887698, US7832920, US7806584, US7770814, US7707969, US7654728, US7363877, US7210425, US7118166, US7118166, US2012067291, US2011209667, US2011175398, US2011061599, US2010089808, US2010019538, US2009313883, US2009255479, US2009044757, US2008216758, US2007210180, US2007078113, US2006127541, US2005170019, US2005155558, US2005147692, US2005136125, US2003205916, US2003188695, JP2013540578, CN104221961, CN103891656, CN103228129, CN103228129, CN103081848, CN102077804, AU2007282333, AU2004296162,

Abstract:
Source: US2003188695A A live fish transport system is described herein. In particular, a modular live fish transport tote, an oxygen delivery system, an automated water treatment and delivery apparatus, and a chemically and biologically balanced aquaculture solution are described. Methods of making and using these components, either alone or in combination with each other, are also described.



18) Family number: 48692914 (US2011127044A) © PatBase

Title: REMOTELY CONTROLLED APPARATUS FOR DOWNHOLE APPLICATIONS AND METHODS OF OPERATION

Priority: US20090247162P 20090930 US20100377146P 20100826 US20100895233 20100930 US20110217939 20110825 WO2010US50933 20100930 US20140537542 20141110 WO2011US49348 20110826

Family:

Publication number	Publication date	Application number	Application date
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CA2775744 AA	20110407	CA20102775744	20100930
CA2809257 AA	20130222	CA20112809257	20110826
CN103154418 A	20130612	CN201180048830	20110826
CN103154418 B	20150506	CN201180048830	20110826
EP2483510 A2	20120808	EP20100821267	20100930
EP2609275 A1	20130703	EP20110820723	20110826
IN01756DN2013 A	20141024	IN2013DN01756	20130226
MX2013002101 A1	20131001	MX20130002101	20110826
RU2013113106 A	20141010	RU20130113106	20110826
SG188282 A1	20130430	SG20130013628	20110826
US2011127044 AA	20110602	US20100895233	20100930
US2012048571 AA	20120301	US20110217939	20110825
US2015060143 AA	20150305	US20140537542	20141110
US8881833 BB	20141111	US20100895233	20100930
US9027650 BB	20150512	US20110217939	20110825
WO11041562 A2	20110407	WO2010US50933	20100930
WO11041562 A3	20110630	WO2010US50933	20100930
WO12027668 A1	20120301	WO2011US49348	20110826

Probable Assignee: BAKER HUGHES INC

Assignee(s):(std)**:** BAKER HUGHES ; BAKER HUGHES INC ; STAUFFER BRUCE ; WITTE JOHANNES ; HABERNAL JASON R ; GLASGOW R KEITH ; TRINH KHOI Q ; RADFORD STEVEN R ; GLASGOW JR R KEITH ; EVANS JOHN G

Assignee(s): GLASGOW R ; BAKER HUGHES OILFIELD OPERATIONS INC

Inventor(s):(std)**:** GLASGOW R KEITH ; HABERNAL JASON R ; EVANS JOHN G ; GLASGOW JR R KEITH ; RADFORD STEVEN R ; STAUFFER BRUCE ; TRINH KHOI Q ; WITTE JOHANNES

Inventor(s): BRUCE STAUFFER ; STEVEN R RADFORD ; GLASGOW R ; JOHANNES WITTE ; JOHN G EVANS

Agent(s): SIM AND MCBURNEY; JEFFREY PHILIP MICHAEL; HUGHES ANDREA MICHELLE; TRASKBRITT; CANTOR COLBURN LLP; WELBORN BRIAN S 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 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): E21B10/32 E21B17/10 E21B21/08 E21B21/10 E21B23/00 E21B23/01 E21B23/04 E21B34/00 E21B34/06 E21B34/14 E21B4/02 E21B43/00 E21B44/00 E21B47/12 E21B49/00 E21B7/00 E21B7/28 (Advanced/Invention)

CPC: E21B17/1014 E21B47/12 E21B23/04 E21B34/06 E21B7/28 E21B4/02 E21B34/14 E21B49/003 E21B21/08 E21B21/10 E21B23/01 E21B17/1078 E21B10/322

European class: E21B10/32B E21B17/10C E21B23/04 E21B34/06 E21B47/12

US class: 166/122 166/212 166/212S 166/319 166/319S 166/321 166/321S 166/373 166/382 166/66 166/66S 175/107 175/267 175/267S 175/319 175/40 175/48 175/57 175/57S

Classification Explorer

Cited documents: WO0031371 A1, US8485277 BB, US8074747 BB, US8069916 BB, US8028767 BB, US7900717 BB, US7886834 BB, US7757787 BB, US7604072 BB, US7513318 BB, US7383881 BB, US7357198 BB, US7314099 BB, US7308937 BB, US7048078 BB, US7036611 BB, US6978844 BB, US6889771 BA, US6857473 BB, US6854521 BB, US6732817 BB, US6708785 BA, US6681860 BA, US6668949 BA, US6668936 BB, US6615933 BA, US6494272 BA, US6488104 BA, US6439305 BA, US6378632 BA, US6378612 BA, US6325151 BA, US6289999 BA, US6263969 BA, US6227312 BA, US6213226 BA, US6213206 BA, US6189631 BA, US6173795 BA, US6173795 B1, US6131675 A, US6116336 A, US6109354 A, US6070677 A, US6059051 A, US6039131 A, US5887655 A, US5874784 A, US5862870 A, US5823254 A, US5791409 A, US5788000 A, US5740864 A, US5560440 A, US5553678 A, US5437308 A, US5425423 A, US5375662 A, US5368114 A, US5361859 A, US5343963 A, US5332048 A, US5318138 A, US5318137 A, US5318131 A, US5311954 A, US5309993 A, US5305833 A, US5293945 A, US5265684 A, US5224558 A, US5211241 A, US5168933 A, US5139098 A, US5101895 A, US5018580 A, US4971146 A, US4944350 A, US4938291 A, US4893675 A, US4889197 A, US4884477 A, US4854403 A, US4848490 A, US4842083 A, US4776394 A, US4756372 A, US4693328 A, US4690229 A, US4660657 A, US4589504 A, US4574883 A, US4545441 A, US4458761 A, US4403659 A, US4067388 A, US3556233 A, US3433313 A, US3425500 A, US3351134 A, US3289760 A, US3283834 A, US3224507 A, US3211232 A, US3171502 A, US3126065 A, US3123162 A, US3105562 A, US3083765 A, US3011558 A, US2922627 A, US2882019 A, US2874784 A, US2834578 A, US2758819 A, US2754089 A, US2532418 A, US2344598 A, US2328840 A, US2177721 A, US2136518 A, US2069482 A, US2012080231 AA, US2012080183 AA, US2012048571 AA, US2011308861 AA, US2011284233 AA, US2011266060 AA, US2011203849 AA, US2011073376 AA, US2011073371 AA, US2011073330 AA, US2011005836 AA, US2010288557 AA, US2010224414 AA, US2010089583 AA, US2010006339 AA, US2009266544 AA, US2009145666 AA, US2009044944 AA, US2009032308 AA, US2008128175 AA, US2008128174 AA, US2008128169 AA, US2007246217 AA, US2006225885 AA, US2006207797 AA, US2003155155 AA, US2003029644 AA, US2002070052 AA, US1678075 A, GB2344607 B2, GB2344607 A1, GB2344122 B2, GB2344122 A1, GB2328964 A1, EP1044314 A1, EP1036913 A1, EP0246789 A2, CN201106404 Y, CN1816679 A, CN101589205 A,

Forward Citations: WO16063131, WO16018674, WO15191572, WO15099903, WO14210539, WO14152699, WO14152609, WO14151704, WO14138045, WO14070648, WO13122987, US9556682, US9534461, US9534459, US9528324, US9493991, US9453380, US9435176, US9435168, US9404331, US9347119, US9341027, US9284816, US9284812, US9267347, US9243475, US9227243, US9187990, US9175520, US9163460, US9139928, US9133695, US9127515, US9109429, US9109269, US9101978, US9090956, US9090955, US9080098, US9079246, US9068428, US9068407, US9057242, US9051817, US9038747, US9033055, US9022107, US8936099, US8931565, US8881833, US8783365, US8776884, US8714268, US8631876, US8573295, US8464812, US8459375, US8425651, US8424610, US8327931, US2015292281, US2015240565, US2014352955, US2014326512, US2014246236, US2014034317, US2013180779, US2012241173, US2012199363, US2012111574, US2012080231, US2011135530, US2011073371, RU2588084, GB2532325, GB2526995, GB2515989, GB2514041, GB2514041, EP2971437, EP2961908, EP2938804, EP2909421, EP2725185, CN104838081,

Abstract:
Source: US2011127044A An apparatus for use downhole is disclosed that, in one configuration includes a downhole tool configured to operate in an active position and an inactive position and an actuation device, which may include a control unit. The apparatus includes a telemetry unit that sends a first pattern recognition signal to the control unit to move the tool into the active position and a second pattern recognition signal to move the tool into the inactive position. The apparatus may be used for drilling a subterranean formation and include a tubular body and one or more extendable features, each positionally coupled to a track of the tubular body, and a drilling fluid flow path extending through a bore of the tubular body for conducting drilling fluid therethrough. A push sleeve is disposed within the tubular body and coupled to the one or more features. A valve assembly is disposed within the tubular body and configured to control the flow of the drilling fluid into an annular chamber in communication with the push sleeve; the valve assembly comprising a mechanically operated valve and/or an electronically operated valve. Other embodiments, including methods of operation, are provided.

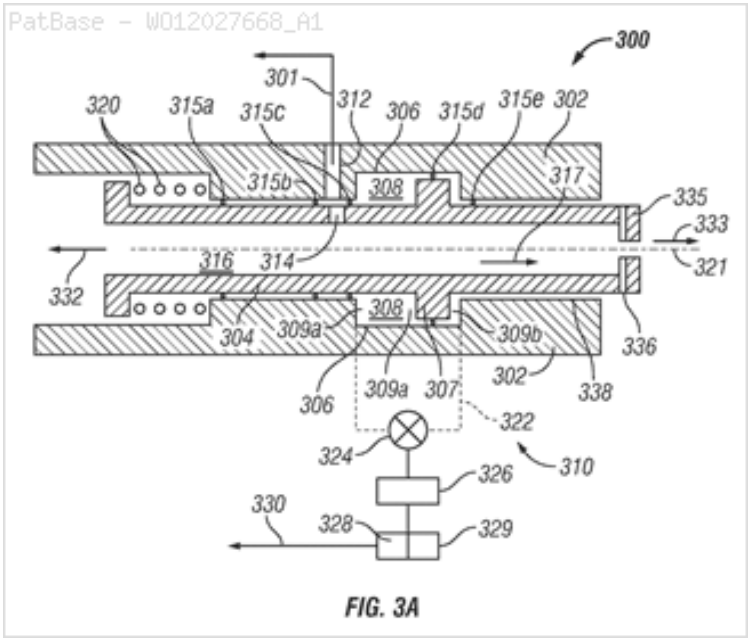


FIG. 3A

19) Family number: 30665366 (US2003034177A) © PatBase

Title: HIGH POWER UMBILICALS FOR SUBTERRANEAN ELECTRIC DRILLING MACHINES AND REMOTELY OPERATED VEHICLES

Priority:

US19940323152 19941014 US19960087083 19960903 US19960708396 19960903
US19990294077 19990418 US20020162302 20020604 US20000487197 20000119
US19990295808 19990420 US20010313654P 20010819 US19990375479 19990816
US20020189570 20020706 US20030678731 20031002 US20020223025 20020815
US20030455657P 20030318 US20030504359P 20030920 US20030523894P 20031120
US20030532023P 20031222 US20020432045P 20021208 US20030448191P 20030218
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US20050669940P 20050409 US20060761183P 20060123 US20060794647P 20060424
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US20130850095P 20130209 US20130850774P 20130222 US20140965351P 20140127

Family:

Publication number	Publication date	Application number	Application date
AT360132 E	20070515	AT20020768573T	20020816
AU2002331600 AA	20030303	AU20020331600	20020816
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AU2003297661 AH	20040630	AU20030297661	20031205
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EP1436482 A2	20040714	EP20020768573	20020816
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NO20040711 A	20040413	NO20040000711	20040218
NO326447 B1	20081208	NO20040000711	20040218
US2003034177 AA	20030220	US20020223025	20020815
US2004108142 AA	20040610	US20030717422	20031119
US2004112646 AA	20040617	US20030678731	20031002
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WO03016671 A2	20030227	WO2002US26066	20020816	
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WO04053935 A3	20040805	WO2003US38615	20031205	
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WO04083595 A3	20070412	WO2004US08292	20040317	
WO05052305 A1	20050609	WO2004US38973	20041119	

Probable Assignee: SMART DRILLING AND COMPLETION INC

Assignee(s):[(std)]**:** CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; DEKLE ROBERT L ; VAIL III WILLIAM BANNING ; VAIL III WILLIAM B ; VAIL WILLIAM BANNING ; WEATHERFORD LAMB ; SMART DRILLING AND COMPLETION ; VAIL WILLIAM B III ; SMART DRILLING AND COMPLETION INC ; VAIL WILLIAM BANNING III ; SKERL DAMIR S

Assignee(s):

SMAART DRILLING AND COMPLETION INC ; WEATHERFORD AND LAMB INC ; WEATHERFORD TECHNOLOGY HOLDINGS LLC ; WEATHERFORD LAMB INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS

Inventor(s):(std): JAMES E CHITWOOD ; MOMII STEVEN T ; ROBERT L DEKLE ; SCHWINBERG PAUL B ; SKERL DAMIER S ; SKERL DAMIR S ; SKERL TOMISLAV ; CHITWOOD JAMES E ; CROSSLAND WILLIAM G ; DAMIR S SKERL ; DEKLE ROBERT L ; VAIL WILLIAM B III ; VAIL WILLIAM BANNING ; VAIL WILLIAM BANNING III ; VAIL III WILLIAM B ; VAIL III WILLIAM BANNING ; WILLIAM BANNING III VAIL ; WILLIAM G CROSSLAND

Inventor(s): VAIL WILLIAM ; CHITWOOD JAMES ; VAIL WILLIAM BIII ; III WILLIAM BANNING ; VAIL

Agent(s): GOODWIN MCKAY; PARLEE MCLAWS LLP; PATTERSON AND SHERIDAN LLP; WILLIAM BANNING VAIL III; MOSER PATTERSON AND SHERIDAN LLP; SHERIDAN ROSS 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 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): B22D13/00 B64F5/00 E21B10/64 E21B17/00 E21B17/20 E21B21/10 E21B23/00 E21B27/00 E21B29/12 E21B33/00 E21B33/03 E21B33/035 E21B33/124 E21B33/126 E21B33/14 E21B33/16 E21B36/00 E21B36/04 E21B4/04 E21B4/18 E21B43/00 E21B43/10 E21B43/22 E21B43/24 E21B44/06 E21B47/00 E21B47/12 E21B7/00 E21B7/04 E21B7/06 E21B7/20 E31B29/12 G01L1/00 G01M11/08 G01N15/08 G01R31/00 (Advanced/Invention);
E21B23/00 (Advanced/Non–invention);
B22D13/00 E21B10/00 E21B17/00 E21B21/00 E21B23/00 E21B29/00 E21B33/00 E21B33/03 E21B33/12 E21B33/13 E21B36/00 E21B4/00 E21B43/02 E21B43/16 E21B7/00 E21B7/04 E21B7/20 (Core/Invention);
E21B23/00 (Core/Non–invention)

International class (IPC 1–7): E21B1/00 E21B10/58 E21B17/01 E21B17/20 E21B21/00 E21B21/10 E21B23/00 E21B27/00 E21B29/12 E21B33/00 E21B33/14 E21B33/16 E21B36/00 E21B4/04 E21B4/18 E21B43/00 E21B43/10 E21B44/06 E21B47/12 E21B7/00 E21B7/06 E21B7/20 H01L

CPC: E21B4/18 E21B7/068 E21B33/1243 E21B33/126 E21B43/103 E21B43/105 E21B7/04 E21B43/128 E21B4/04 B64C1/26 B64C2001/0072 Y02T50/433 Y10T428/1369 E21B36/04 B64F5/0045 G01R31/008 E21B7/00 E21B7/065 E21B7/20 E21B10/64 E21B17/206 E21B21/10 E21B23/00 E21B23/10 E21B33/14 E21B33/16 E21B34/105 E21B41/0085 E21B2023/008 B64F5/60 B64F5/0081 G01M11/083 G01M11/085

European class: E21B10/64 E21B17/20D E21B21/00 E21B21/10 E21B23/00 E21B23/10 E21B33/124B E21B33/126 E21B33/14 E21B33/16 E21B34/10R E21B36/04 E21B4/04 E21B4/18 E21B41/00R E21B43/10F E21B43/10F1 E21B43/12B10 E21B7/04 E21B7/06F E21B7/06M E21B7/20 P21B23/00T

US class: 114/312 114/322 114/328 166/241.1 166/241.100S 166/250.01 166/250.15 166/250.150P 166/272 166/272.1 166/285 166/285S 166/291 166/292 166/292S 166/302 166/347 166/360 166/367 166/369 166/38 166/380 166/380S 166/386 166/53 166/53S 166/54 166/57 166/61 166/65.1 166/65.100S 166/66.4 166/66.7 166/667 175/101 175/104 175/107 175/107S 175/171 175/22 175/257 175/261 175/309 175/318 175/320 175/324 175/327 175/40 175/40P 175/57 175/57P 175/61 175/65 175/65P 175/92 175/97 264/108 340/853.3 405/191 428/36.3 701/32.8 702/12 702/144 702/42 73/777

Classification Explorer

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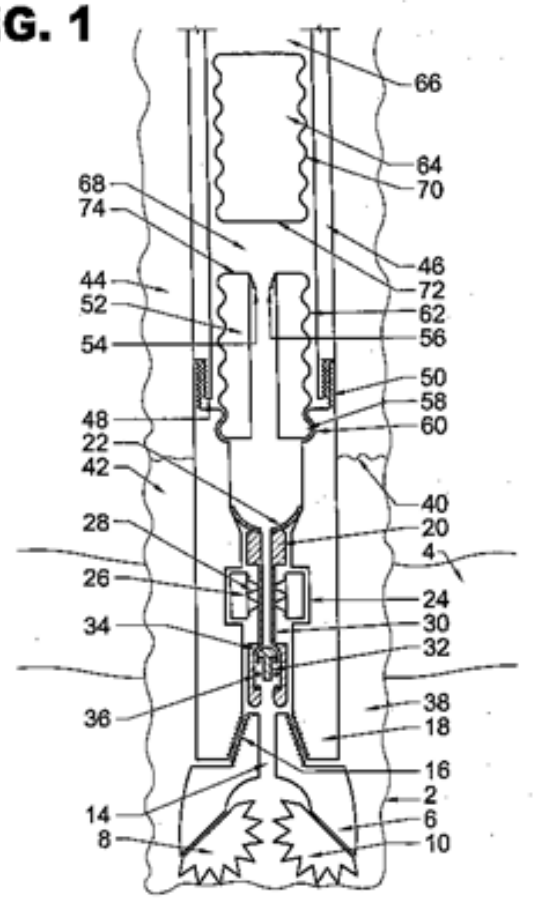
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AU2010310738, AU2009275784, AU2009275784,

Abstract:
Source: US2003034177A The method of providing in excess of 60 kilowatts of electrical power to the electrical motor of a subterranean electric drilling machine through a substantially neutrally buoyant composite umbilical containing electrical conductors to reduce the frictional drag on the neutrally buoyant umbilical. Drilling and casing subterranean monobore wells are contemplated to distances of 20 miles from a wellsite. For drilling applications, the umbilical possesses a drilling fluid conduit. The umbilical also possesses high speed data communications such as a fiber optic cable or a coaxial cable that is used in the feedback control of the downhole electric drilling motor. Such umbilicals are also useful to provide power to remotely operated vehicles for subsea well servicing applications.

PatBase - WO05052305_A1

FIG. 1



0) US2002035361A – APPARATUS AND METHODS FOR TREATING TISSUE

20) Family number: 41960199 (US2002035361A) © PatBase

Title: APPARATUS AND METHODS FOR TREATING TISSUE

Priority: US19990141077P 19990625 US20000602436 20000623 US20010898726 20010703

Family:

Publication number	Publication date	Application number	Application date
US2002035361 AA	20020321	US20010898726	20010703
US6626899 BB	20030930	US20010898726	20010703

Probable Assignee: HANSEN MEDICAL INC

Assignee(s):(std)**:** NIDUS MEDICAL LLC

Assignee(s): RAMEE STEPHEN R ; SADAAT VAHID ; HANSEN MEDICAL INC ; HOUSER RUSSELL A ; NIDUS MEDICAL INC

Inventor(s):(std)**:** SADAAT VAHID ; RAMEE STEPHEN R ; HOUSER RUSSELL A

International class (IPC 8–9)**:** A61B18/00 A61B18/14 A61B18/24 (Advanced/Invention); A61B17/00 A61B17/28 A61F2/24 A61N7/00 (Advanced/Non–invention)

International class (IPC 1–7)**:** A61B18/14 A61B18/18 A61B18/20

CPC: A61B90/39 A61B2090/064 A61B18/00 A61B17/0401 A61B17/0469 A61B17/0487 A61B17/122 A61B17/1285 A61B17/29 A61B18/1442 A61B18/1477 A61B18/1492 A61B18/24 A61B2017/00084 A61B2017/00243 A61B2017/00867 A61B2017/0409 A61B2017/0412 A61B2017/0414 A61B2017/0427 A61B2017/0437 A61B2017/044 A61B2017/0451 A61B2017/0454 A61B2017/0458 A61B2017/0461 A61B2017/0464 A61B2017/0496 A61B2017/2945 A61B2018/00023 A61B2018/00083 A61B2018/00214 A61B2018/0022 A61B2018/00232 A61B2018/00273 A61B2018/00369 A61B2018/00791 A61B2018/00797 A61B2018/1253 A61B2018/126 A61B2018/1432 A61B2018/1435 A61F2/2445 A61F2/2451 A61F2/2454 A61N7/00 A61N7/02

European class: A61B17/04A A61B18/00 A61B18/14F A61B18/14N A61B18/14V A61B18/24 A61F2/24R2 K61B17/00C1T K61B17/00E1C K61B17/00S12 K61B17/04A24 K61B17/04A24R K61B17/04A30 K61B17/04A40A4 K61B17/04A40C K61B17/04A40L K61B17/04A40P K61B17/04A5 K61B17/04A50 K61B17/04A7 K61B17/04A8 K61B17/04E K61B17/04K K61B17/04T K61B17/122 K61B17/128E K61B17/29 K61B17/29J8 K61B18/00A2C K61B18/00B14 K61B18/00B14A K61B18/00B14A4 K61B18/00B16 K61B18/00B2G4 K61B18/00F6A4 K61B18/00H12B K61B18/00H12B1 K61B18/12G8A K61B18/12G8B K61B18/14C12C K61B18/14C14 K61B18/24 K61B19/46H K61B19/54 K61F2/24R2 K61F2/24R4 K61F2/24R6 K61N7/00 K61N7/02

US class: 600/372 600/375 606/14 606/15 606/15P 606/205 606/41 606/41S 606/52 606/7 606/76 606/7S 607/113 607/113S 607/89 607/89S 607/99 607/99S 623/1.26 623/1.34 623/1.36

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Forward Citations: WO12016320, WO09105720, WO05055811, WO05055811, WO04112651, WO04112651, WO04103209, WO04066829, WO04066829, WO03105670, WO02053206, WO02053206, USD716451, USD716450, USD715942, USD715442, US9592122, US9585753, US9579159, US9561104, US9539046, US9526616, US9526613, US9526401, US9510900, US9510837, US9510829, US9510732, US9498331, US9474608, US9474606, US9468528, US9468526, US9457168, US9433766, US9433500, US9414921, US9408695, US9408669, US9387314, US9387031, US9364326, US9358112, US9358111, US9358076, US9352126, US9351830, US9345540, US9333078, US9332893, US9320600, US9307980, US9301734, US9283065, US9277994, US9265608, US9259218, US9241702, US9237937, US9226825,

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Abstract:
Source: US2002035361A Apparatus and methods are provided for thermally and/or mechanically treating tissue, such as valvular structures, to reconfigure or shrink the tissue in a controlled manner. The apparatus comprises a catheter in communication with an end effector which induces a temperature rise in an annulus of tissue surrounding the leaflets of a valve or in the chordae tendineae sufficient to cause shrinkage, thereby causing the valves to close more tightly. Mechanical clips can also be implanted over the valve either alone or after the thermal treatment. The clips are delivered by a catheter and may be configured to traverse directly over the valve itself or to lie partially over the periphery of the valve to prevent obstruction of the valve channel. The clips can be coated with drugs or a radiopaque coating. The catheter can also incorporate sensors or energy delivery devices, e.g., transducers, on its distal end.

PatBase - US6626899_B8

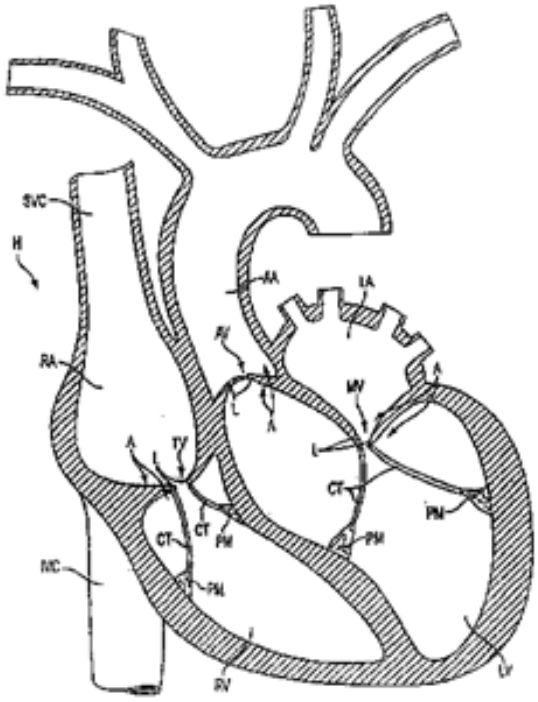


FIG. 1

0) US6343650B – TEST, DRILL AND PULL SYSTEM AND METHOD OF TESTI...

21) Family number: 13289790 (US6343650B) © PatBase

Title: Test, drill and pull system and method of testing and drilling a well

Priority: US19990427324 19991026

Family:

Publication number	Publication date	Application number	Application date
DE60026249 D1	20060427	DE20006026249	20001025
DE60026249 T2	20060824	DE20006026249T	20001025
DK1096104 T3	20060410	DK20000309388T	20001025
EP1096104 A1	20010502	EP20000309388	20001025
EP1096104 B1	20060301	EP20000309388	20001025
NO20005371 A	20010427	NO20000005371	20001025
NO20005371 A0	20001025	NO20000005371	20001025
NO318155 B1	20050207	NO20000005371	20001025
US6343650 BA	20020205	US19990427324	19991026

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s):(std)**:** HALLIBURTON ENERGY SERV INC

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s):(std)**:** RINGGENBERG PAUL D

Designated states: DE DK GB NL

International class (IPC 8–9)**:** E21B33/12 E21B33/128 E21B49/08 (Advanced/Invention); E21B33/12 E21B49/00 (Core/Invention)

International class (IPC 1–7)**:** E21B E21B33/12 E21B33/128 E21B43/12 E21B49/08

CPC: E21B33/128 E21B49/084 E21B49/087

European class: E21B33/128 E21B49/08 E21B49/08C E21B49/08T

US class: 166/124 166/133 166/142 166/188 166/250.17 166/330 166/334.2 166/386 166/387 175/230 175/50

Classification Explorer

Cited documents: WO9945236 A1, US6148912 A, US5842528 A, US5799733 A, US5697449 A, US3578078 A, US3107729 A, US2831542 A, US2280785 A, EP0856636 A2, EP0697501 A2,

Forward Citations: WO08015632, WO08015632, US9353606, US9109427, US9109426, US8555985, US8479810, US8136395, US7686100, US7546885, US7407009, US7331223, US7296637, US7290443, US7278483, US7263880, US7210344, US7178392, US7124819, US7124819, US7117734, US7066281, US7062959, US7036579, US7024930, US6986282, US6832515, US6758273, US6530428, US2014332277, US2012000656, US2007114063, US2007068703, US2006260805, US2006131019, US2005217897, US2005115716, US2005039527, US2004160858, US2004144533, US2004118610, US2004050588, US2004025583, GB2431179, FR2885947,

Abstract:
Source: US6343650B A test, drill and pull system for testing a well formation or zone of interest and further drilling of the well in a single trip into the wellbore. The system includes a surface readout tester valve, a rotation−operated reversing valve, a resettable packer, a packer lockout, a perforated anchor and a drill bit. In operation, the apparatus is run into the bottom of the well adjacent to the formation or zone of interest and the packer set and unset as desired. With the packer set, a surface readout tester valve probe is lowered into the apparatus on a wireline and latched into the tester valve so that multiple testing operations may be carried out if desired. After testing, the fluid recovery may be reversed out and analyzed by actuating the reversing valve by rotation of the tool string. Further, rotation engages the packer lockout such that when weight is picked upon the packer, the packer cannot be reset. After the packer lockout is engaged and the packer unset, further drilling operations may be carried out without removing the apparatus from the wellbore.

PatBase - US6343650_BA

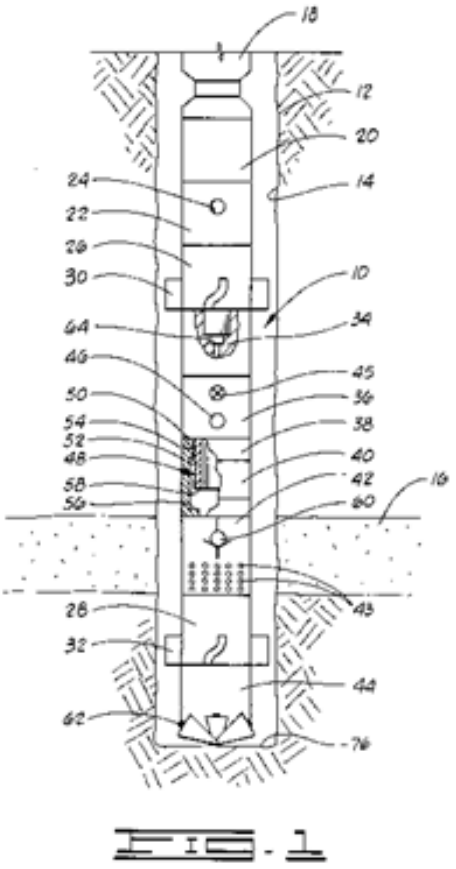


FIG. 1

0) US2733603A –

22) Family number: 21555443 (US2733603A)

© PatBase

Family:	Publication number	Publication date	Application number	Application date
	US2733603 A	19560207		00000000

International class (IPC 8–9): G01K17/16 (Advanced/Invention); G01K17/00 (Core/Invention)

CPC: G01K17/16

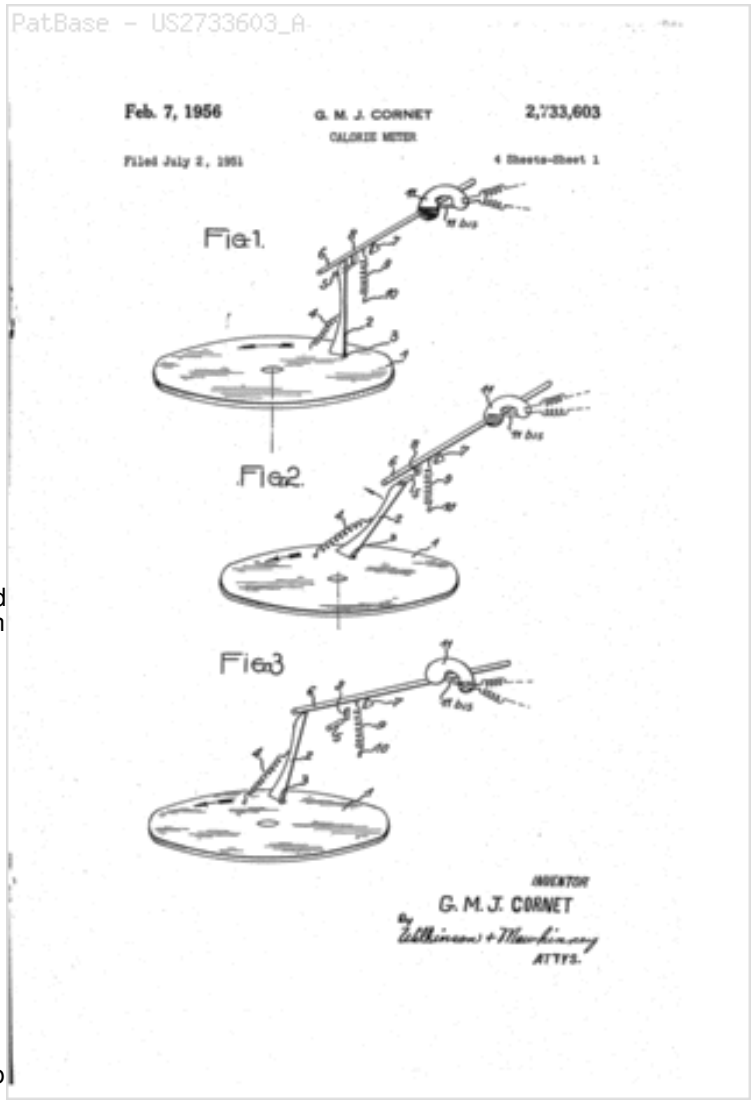
European class: G01K17/16

US class: 374/41 374/E17.012

Classification Explorer

Cited documents: US2359767, US1386937, DE650914, DE628971, DE604491,

Abstract:
Source: US2733603A (Claim 1) 1. I claim: l. A calorie meter, in particular for warm water comprising, in combination, a water meter comprising a rotary spindle, a watt–hour meter, a thcrmoelectric couple, a circuit connecting said watt~hour meter to said thermoelectric couple, the hot pole of which is adapted to be placed on a hot piping feeding said water meter as a,vss,eos close as possible to it, while its cold pole is adapted to be placed on a cold water piping, to produce in the said watt–hour meter a current which is a function of the difference between the temperature ofthe cold water and the temperature of the hot water tlowing through the water meter, a switch in said circuit, said switch being a mercury switch of the time lag type constituted by a member having two cavities in one of which are located electrodes electrically connected to said circuit, said member being formed to provide a restricted passage for communication between the cavities adapted to control the speed of the mercury tlowing in said restricted passage, said restricted passage constituting a. time switch adapted to control –the passage of the current for a constant time interval, a pivotally mounted rocking rod carrying said switch and provided with a retracting device and a controlling device actuated by said water meter and adapted to rock said time switch, said controlling device comprising in combination the spindle driven by the water meter and an eccentric member cooperating with said rocking rod and rotating eccentrically with respect to said spindle and mounted on the latter in such a. manner that a complete revolution of the spindle corresponds to a deiinite volume of water flowing through said water meter, said eccentric member rocking said rocking rod to close the circuit during a constant time controlled by said time switch, so that the said watt~hour meter registers a current which is a function both of the water dow and of its temperature.



0) US2007044664A – AUTOMATIC COFFEE MAKER AND CONTROL METHOD THERE...

23) Family number: 34245859 (US2007044664A) © PatBase

Title: AUTOMATIC COFFEE MAKER AND CONTROL METHOD THEREOF

Priority: CA20062557034 20060824 CN200510036683 20050825

Family:

Publication number	Publication date	Application number	Application date
CA2557034 AA	20070225	CA20062557034	20060824
CN1919121 A	20070228	CN200510036683	20050825
US2007044664 AA	20070301	US20060466191	20060822

Probable Assignee: WANG DONGLEI

Assignee(s):(std)**:** WANG DONG LEI ; WANG DONGLEI

Inventor(s):(std)**:** WANG DONG LEI ; WANG DONGLEI

Inventor(s): DONGLEI WANG

Agent(s): TEITELBAUM AND MACLEAN; ALLEN DYER DOPPELT MILBRATH AND GILCHRIST PA

International class (IPC 8–9)**:** A47J31/24 A47J31/44 A47J31/56 A47J31/58 (Advanced/Invention); A47J31/24 A47J31/44 (Core/Invention)

CPC: A47J31/545

European class: A47J31/54A1

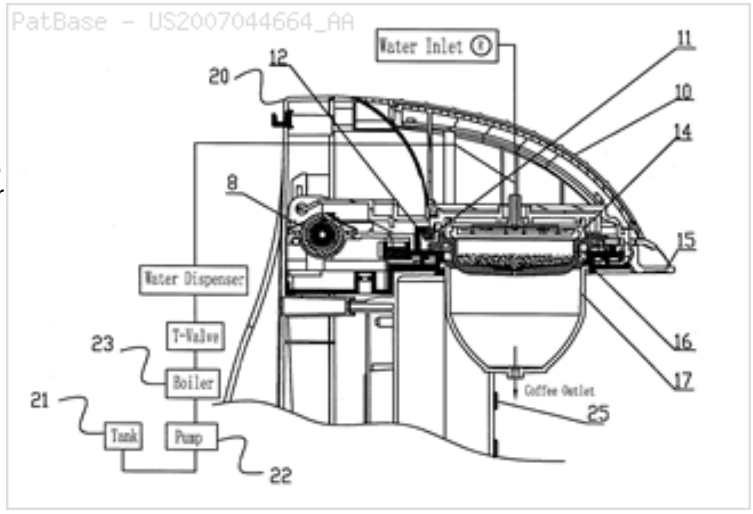
US class: 99/279

Classification Explorer

Cited documents: US5836236 A, US5676041 A, US5377299 A, US4000396 A, US2007107604 AA, US2006096465 AA, US2006090653 AA, US2005076789 AA,

Forward Citations: WO12093269, WO10031281, WO09043865, WO09043865, WO08125012, WO08092734, US9439533, US9398829, US9392901, US9119503, US8915177, US8889207, US8850957, US8613246, US8600223, US8573116, US8479640, US2013175250, US2011126717, US2010288132, US2010282090, US2010233337, US2010218684, US2010071563, US2009020017, RU2477068, JP2010540135, GB2448891, GB2448891, EP2225974, EP2218376, EP2218376, EP2218375, EP2218371, CN104433812, CN103582440, CN102204790, CN102133049,

Abstract:
Source: US2007044664A The present invention provides an automatic coffee maker, which is compact and safe. In use of the automatic coffee maker, under the control of the control circuit, prior to heating, the pump is started to make certain cold water flow into the boiler, so as to prevent the temperature sensor or temperature fuse from damage by heating. Therefore, the safety performance and the operation performance of the automatic coffee maker of the present invention are greatly improved.



24) Family number: 25182510 (US3238771A) © PatBase

Title: SYSTEM ADAPTED FOR DIAGNOSIS OF LARGE NUMBERS OF AUTOMOTIVE ROAD VEHICLES

Priority: CH19630014405 19631125 FR19630954823 19631125 US19620241214 19621130 US19630276702 19630430 US19620242847 19621206 US19620241263 19621130 US19630276720 19630430

Family:

Publication number	Publication date	Application number	Application date
AT260704 B	19680325	AT19630009410	19631122
AT266621 B	19681125	AT19630009645	19631202
AU3824563 A1	19650603	AU19630038245	19631128
CH424313 A	19661115	CH19630014405	19631125
CH456193 A	19680515	CH19630014571	19631128
FR1494702 A	19670915	FR19630954823	19631125
GB1072927 A	19670621	GB19630046198	19631122
GB1072928 A	19670621	GB19630047298	19631122
NL300612 A	00000000		00000000
NL300839 A	00000000		00000000
NL300840 A	00000000		00000000
US3174683 A	19650323	US19630276720	19630430
US3238769 A	19660308	US19620241263	19621130
US3238771 A	19660308	US19620242847	19621206

Probable Assignee: IBM

Assignee(s):(std): IBM ; MOBIL OIL CORP ; SOCONY MOBIL OIL CO INC

Assignee(s): INT BUSINESS MACHINES CORP

Inventor(s):(std): PELLICCIOTTI FERNANDO A ; PANCOAST CHARLES H ; MYRTETUS GEORGE B ; GEORGE BLAKE MYRTETUS ; FERNANDO ALBERT PELLICCIOTTI ; CHARLES ROBERT SMALL ; CHARLES HILLMAN PANCOAST ; SMALL CHARLES R ; SCULLY RICHARD F

Inventor(s): ROBERT SMALL CHARLES ; BLAKE MYRTETUS GEORGE ; ALBERT PELLICCIOTTI FERNANDO ; CHARLES HILLMAN PANCOAST GEORGE BLAKE MYRTETUS CHARLES ROBERT SMALL FERNANDO ALBERT PETTICCIOTTI ; HILLMAN PANCOAST CHARLES

International class (IPC 8–9): B60S5/00 E04H5/06 F02P17/00 G01M15/02 G01M15/05 G01M15/10 G01M17/00 G01M17/007 G06K13/077 G07C3/00 G07C5/00 (Advanced/Invention); B60S5/00 E04H5/00 G01M15/02 G01M15/04 G01M17/007 G06K13/02 G07C3/00 G07C5/00 (Core/Invention); B60S (Subclass/Invention)

International class (IPC 1–7): B60S G01L G01M15/00 G01M17/00 G09B19/14

CPC: B60S5/00 E04H5/06 G01M15/02 G01M15/05 G01M17/007 G01M17/0072 G06K13/077 G07C3/005 G01M15/102 G01M17/0074 G07C5/00

European class: 42B22 42K29B2 B60S5/00 E04H5/06 G01M15/02 G01M15/05 G01M15/10E G01M17/007 G01M17/007B G01M17/007B2 G06K13/077 G07C3/00Q G07C5/00

US class: 234/128 234/19 234/21 324/384 73/116.06 73/117

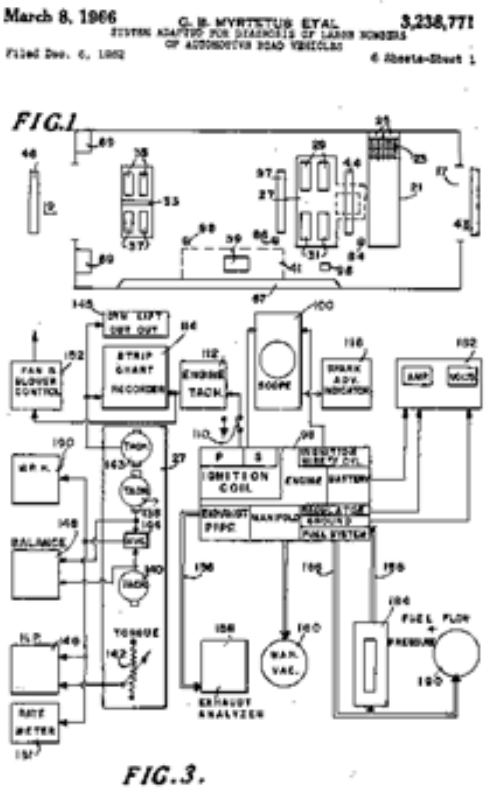
Classification Explorer

Cited documents: US850439 A, US3113718 A, US3091387 A, US3020753 A, US2975633 A, US2905244 A, US2787760 A, US2735491 A, US2715711 A, US2702432 A, US2663186 A, US2130900 A, US2049025 A, US2002777 A, US1638657 A,

Forward Citations: US4393694, US3793584, US3504537, US3456501, US3451261, US3412614, US3402599, US3395574, US3354707, FR2739923, FR2701239, FR2447838,

Abstract:
Source: GB1072927A 1,072,927. Vehicle testing. MOBIL OIL CORPORATION. Nov. 22, 1963 [April 30, 1963], No. 46198/63. Heading B7J. An automobile testing and servicing installation comprises a building structure 10, Fig. 1, comprising a testing bay 12, a customer reception area 20 separated from the bay 12 by a wall 18 having a window 19, a parking area 60, a stove 56, and a repair and serving bay 36 wherein vehicles passing through the bay 12 are tested by devices which simulate road operating conditions and sequentially test each vehicle dynamomically its engine and electrical system and the front wheel alignment. Referring to Figs. 2 and 3, the vehicle passes through an entrance 14 having a door operable by a treadle 83. The front wheels are engaged with roller–pairs 69, 71 of a dynamometer 67 the motor of which rotates the wheels to determine the parasitic horse power. The door has been closed by the front wheels passing over a treadle 84. At this time the brakes are tested by various meters connected with the dynamometer, and the radiator, engine oil level, fan belt, headlights and trafficators c. are checked. Thereafter the vehicle is moved to place the rear wheels on the dynamometer whereafter parasitic and engine brake horse power and brakes are tested. Various meters also indicate speed and acceleration and many readings are recorded on a strip chart. A test instrument carriage 88 is suspended by a vertical post 93 from a trolley 94 movable transversely of the direction of movement of the vehicle, on tracks 96 which can move by means of wheels 100 on tracks 102 extending longitudinally of the direction of movement of the vehicle. In this way the instrument carriage 88 can move anywhere in an area 90 within the test bay. Electrical control pendants 104, 106 and 108 retractable into positioning units 110, 112 and 114 are also provided for the various devices. The carriage 88 mounts inter alia an engine oscilloscope, an engine tachometer, a spark advance indicator, a volt–amp. tester, manifold vacuum gauge, fuel flow meter and fuel pressure gauge, all as described with reference to Figs. 4 to 8 (not shown). Meters indicating the values of various tests are mounted on a control panel 92 which also has some of the meters duplicated for reading by the customer through the window 19. After engine and electrical tests the vehicle is moved from the dynamometer 67 to a position in which its front wheels are positioned on the roller pairs 75, 77 of a wheel aligning apparatus 73. The whole apparatus 73 is pivotal about a vertical axis and the rollers are carried by a frame pivotal about a horizontal axis whereby when the vehicle front wheels are rotated by the rollers driven by the aligner motor, electrical meters can indicate the amount of toe–in, the camber, and by turning the steering wheel in opposite directions the caster angle may be determined, all as described with reference to Figs. 9 to 12 (not shown). When the vehicle finally leaves the bay 12 a door for the exit 16 is closed by operating a treadle 86. Air blowers 66 at one end of the bay and a floor grating 63 and exhaust shafts 65 facilitate maintenance of the bay at a uniform temperature. The blowers and exhaust fans are controlled automatically from the carriage 88. The dynamometer, aligner, the various treadles, the instrument panel, the control units and pendants and the blowers, are all interconnected electrically.

PatBase - US3238771_A



0) US2321041A – ROTAMETER CONSTRUCTION

25) Family number: 21415670 (US2321041A) © PatBase

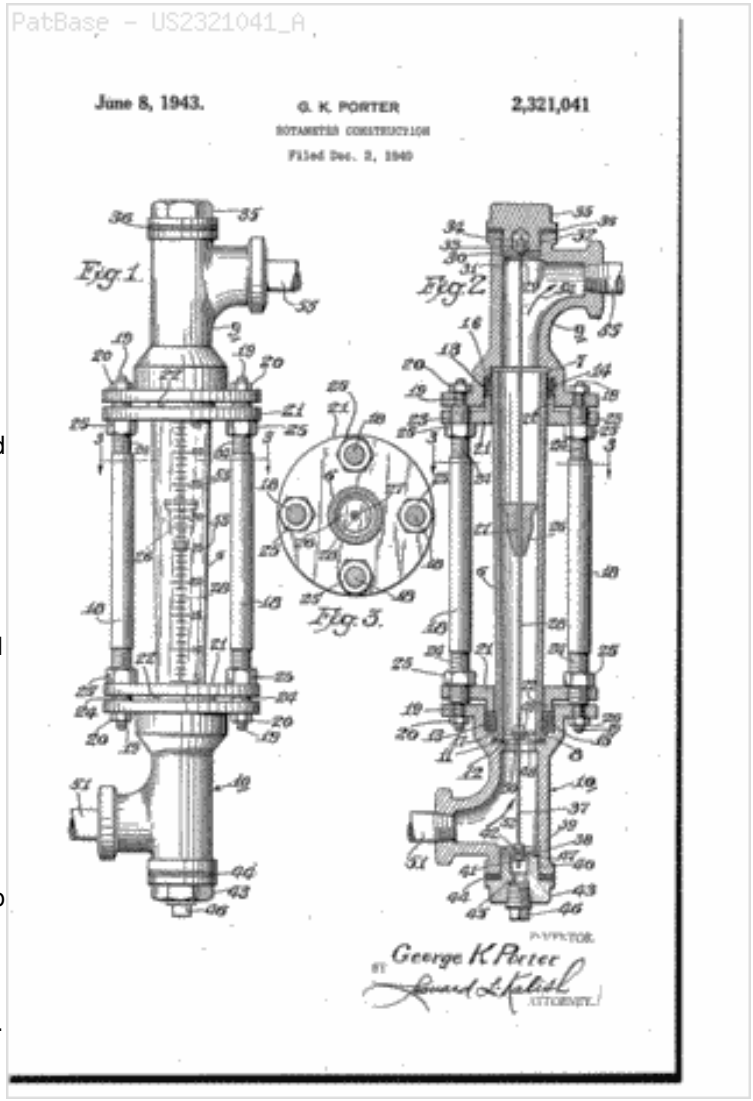
Title:	ROTAMETER CONSTRUCTION
Priority:	US19400368236 19401202

Family:

Publication number	Publication date	Application number	Application date
US2321041 A	19430608	US19400368236	19401202

Probable Assignee:	FISCHER AND PORTER CO
Assignee(s):(std)**:**	FISCHER AND PORTER CO
Assignee(s):	FISCHER AND PORTER COMPANY
Inventor(s):(std)**:**	PORTER GEORGE K
International class (IPC 8–9)**:**	G01F1/22 (Advanced/Invention); G01F1/20 (Core/Invention)
International class (IPC 1–7)**:**	G01F1/22
CPC:	G01F1/22
European class:	G01F1/22
US class:	73/861.57
Classification Explorer	
Forward Citations:	US7549348, US3060739, US2800019, US2630249, US2426263, US2009000395,

Abstract:



Source: US2321041A Figure 3 represents a sectional view taken on line 3–3 of Figures 1 or 2, looking in the direction of the arrows, but showing a modified arrangement wherein four posts extend intermediate the upper and lower flttings instead of two posts as illustrated in Figures 1 and 2. The particular rotameter selected for illustration in the accompanying drawing includes an upright transparent tapered metering tube I. which may be made of glass or of any suitable transparent plastic material, having its narrower end lowermost. The degree of taper of this metering tube O has been' expressly exaggerated In the accompanying drawing for the sake of clarity. The upper and lower ends of this metering tube 6 may respectively extend into juxtaposed socket–like openings 1 and I respectively formed in the upper flting 9 and in the lower fitting I0. If desired, the lowermost end of the metering tube I may rest on an annular sealing member I I seated on an inwardly extending annular shoulder I1 formed in the lower fitting III. Any suitable sealing means are preferably provided for sealing the joints between the end portions ol' the metering tube I and the upper and lower fittings 9 and IB. Thus, for example, these sealing means may comprise any suitable number, as for instance four, adjacent a§dally–compresslble sealing members I3 which respectively encircle the opposite end portions of the metering tube 6. These sealing members or rings I3 may be formed of any suitable material, the choice of which may be dictated by the character of the fluid which is to pass through the rotameter. Thus, for example, these sealing means may be made of resilient synthetic rubber–llke material, as for example of “Neoprene," “Thlokol," "Duprene," "Koroseal," “Resistoliex” or the like. Natural rubber may also be used, as may any other suitable material which may be compressed to seal around the joints at the ends of the metering tube. These two groups of sealing members I3 may be respectively disposed within end–openings II and I5 In the fittings S and II, said latter openings being of somewhat larger diameter than the adjacent recessed portions 1 and I. Inwardly extending annular shoulders I8 and I1 disposed intermediate the diiierently diametered portions 1 and II on the one hand and 8 and I5 on the other hand may serve as abutment surfaces against which the sealing members I3 may be pressed. The upper and lower fittings 8 and III may be operatively securely held a fixed distance apart by any suitable means, as for example by means of a plurality of upright posts II, whose opposite threaded end portions IS may be of reduced dlameter and may extend through corresponding openings in the outwardly flanged end portions of said fittings. Nuts Z0 may be screw–threadedly mounted on the projecting end–Portions of the reduced post–ends IS, and when tightly screwed down they firmly hold the outwardly–extending flanged portions of the fittings against the annular shoulders disposed at the basal portions of these post ends IB. Any suitable adjustable means may be provided for operatively compressing the annular sealing members I3 to establish and maintain fluid–tight seals at the ends of the metering tube. In the particular embodiment illustrated in the accompanying drawing, such means comprise thrust collars 2| which loosely encircle the respective end portions of the metering tube i. Each of these thrust collars 2| includes a tubular gland portion 22 proportioned to enter into the rltting stuffing–box portions or recesses II or II there to engage and aidally compress ,the packing rings I3, and thus crowd them into intimate sealing contact agalnst the adjacent outer wall surface of the metering tube. If desired, the thrust collars 2| may have holes 23 therein through which the posts I8 may extend, and the adjoining portions of these posts may be threaded as at 1| and may carry threaded nuts 25, so that when the nuts 25 are rotated in the proper direction, they will force the thrust ,collar 2| towards the adjacent end nttlng thereby operatively to compress the sealing members II. A float member 2l, which has a narrow hole 21 extending axially therethrough, is disposed inside the metering tube_ 5. This float member may be of any desired shape, as for example topshaped as illustrated, or It may be spherlcally or otherwise shaped as is well known in the art. If rotation of this float member is desired. two or more slant–wise slots may be formed in the upper rim of the float member as is well known in the art, whereby some of the fluid flowing past said float member will pass through said slots to rotate the float member. g ` A relatively flne taut float–guiding wire ll of circular cross–section ls preferably accurately centered within the metering tube 6 and extends through the narrow hole 21 in the float member Zi. The diameter of this guide–wire 28 is preferably slightly less than the diameter ol' the hole 21, thereby to Permit free sliding movement of the float member on said wire. The upper end

portion of the thin guide−wire 28 may be threaded as at 29, and may extend through a. central opening in an upper anchorage disc 30, whose rim rests on an inwardly−extending annular shoulder 3| formed at the base of the internally−threaded opening 82 at the top of the upper fitting 9. An adjustable tensioningnut 33, which bears against the upper surface of the anchorage−disc 30, screw−threadedly engages the threaded upper end portion 25 of the guide wire. If desired, an additional lock−nut 3| may be provided adjacent the tensioning−nut 33. for locking the latter In its adjusted position. The fitting opening 32 may be closed by a screwthreaded closure−plug 35, and a sealing washer ll may be interposed between the plug 35 and the upper fitting 5 to seal the joint therebetween. The lower end portion of the thin guide−wire 2| is also preferably threaded. as at 31, and extends through a central opening in a lower anchorage−disc 38, whose rim bears upwardly against an inwardly−extending annular shoulder 39 formed at the innermost end of 'an internallythreaded opening 40 at the bottom of the lower fitting IU. The lower end of the guide−wire 2| may be adjustably fixed relative to the anchorage−disc 38 by means of a pair of nuts ll and I2 mounted on the screw−threaded wire portion 31 on opposite sides of the anchorage−disc 38. An externally−threaded tubular clean−out plug I3 may be operatively screwed into the`internally~ threaded opening 40, and a sealing washer U may be interposed between the plug 43 and the lower fitting Il) to seal the joint therebetween. A passageway 45 in the clean−out plug I3 may terminate at its lower end in an internallythreaded opening normally tightly closed by a removable drain−plug IB. The lower anchorage disc 38 may have one or more openings 41 therein, designed to permit the passage of liquid therethrough when it is desired to drain the rotameter. By meansof the foregoing arrangement, the wire 28, which itself does not possess sufdclent inherent rigidity to remain stiff and straight inside the tube, may readily be placed under sunlcient tension to insure straightness and immobility inside the tube by merely tightening the adjustment nut 33. The degree of tension applied to the guide wire 28 may vary with requirements, and preferably is at least sumcient to maintain the wire under slight tension at all times dining actual operation, so that upon expansion due to increase oi' temperaturefthe wire will remain taut and will continue to guide the float and hold it out of contact with the tube wall. If desired, the multi−armed hub of a wire−centering spider member I8 may be mounted on the threaded portion S1 of the guide−wire 28 inside the lower end of the metering tube G. The spider member 28 may include a central apertured hub portion and a plurality of spaced radially−extending arms or spokes which terminate adjacent the inner wall of the tube G and thus serve to center the wire 28; sufdcient clearance being provided between the spokes to permit the passage of fluid across the spider without causing flow−constriction. The exact position of this spider member 48 may be adjustably nxed by means of the opposed nuts IB and 50, which screwtheadedly engage the guide−wire 28 on opposite sides of said spider member. This wirecentering spider 48 positions and holds the guidewire 28 co−axially inside the metering tube 5. insuring that the float member 25 which is slidably mounted on the guide−wire 28 will at all times be accurately centered inside the tapered metering tube 5. The upper spider nut £8 may also serve as a lower Boat stop. In actual operation. the iluid whose rate−ofnow is to be measured may be conducted into a side of the lower inlet ntting in through a pipe 5| from whence it may Bow upwardly in the direction of the curved arrow 52 past the wirecentering spider I8 and into the metering tube 6. In this tube, the fluid encounters the lloat member 26, which we will assume was resting on the lower doat stop nut 49, and raises the said float member towards the larger end of the tapered tube to make proper passage for the iiuid around the rim of the float member. As the float member rises, the cross−sectional area of the gap between the rim of the float member and the inner wall of the metering tube increases. The position at which the iioat member 26 comes to rest in a. vertical sense may be noted by means of the scale−markings 53, which may be fused or etched directly on the metering tube or which may be carried by any plate or other member disposed in proximity to said metering tube. G0 (ifi These scale−markings 53 may be calibrated directly to indicate the rate−of−flow in any desired units of volume per unit of time, or else they may merely indicate height in any desired units of length. The fluid flowing upwardly past the rim of the suspended float member 26 then leaves the metering tube 6 and enters the upper outlet fittings S. in which it then diverges from the guide−wire 28 in the direction indicated generally by the curved arrow 5| and enters the outlet pipe 55. It will be seen that the iloat member' 25, which cannot leave the taut guide−wire 28. is prevented from being carried away by the diverging flow of nuld. The float−guiding wire 28 connnes the movements of the float member I6 to a path co−axial with the metering tube 8 and prevents the dost member from ever coming into contact with the inner tapered wall of the metering tube 6, This avoids tube−breakage, and also avoids frictional wear on the inner surface of the metering tube as well as on the float member, thereby assuring constant accuracy of measurement. ‘ The application of tension to the float−guiding member 28 makes possible the use of relatively small−diameter wire therefor, thus greatly reducing the cost where relatively expensive corrosion−reslstant metal is required. Furthermore, the use of drawn wire for iioat−guiding purposes obviates the need of grinding the outer surface of the iloat−guiding member to insure smooth sliding of the float−member thereover, as would be the case were an inherently rigid rod of relatively large diameter used to guide the lioat, Thus wire, in the very process of its formation by drawing or extrusion through dies, automatically acquires an outer surface smooth enough not to require subsequent grinding. Although in the rotameter illustrated in the accompanying drawing, the inlet and outlet Bttings disposed at the opposite ends of the metering tube each change the direction of fluid−flow by 90 degrees. it is to be expressly understood that if desired, one or both of these nttings may be replaced with any other conventional and desired form of idtting. In such cases suitable change or modification of the construction and/or location of the anchorage means at the opposite ends of the float−guiding wire might be required, which changes or modifications would be readily apparent to one skilled in the art. The present invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof, and it is therefore desired that the present embodiments be considered in all respects as illustrative and not restrictive, reference being had to the appended claims rather than to the foregoing description to indicate the scope of the invention. Having thus described the invention, what is hereby claimed as new and desired to− be secured by Letters Patent is: 1. A fluid flow meter including an upright elongated tapered transparent metering tube having its narrower end lowermost, separate inlet and outlet fittings in sealed communication with the lower and upper ends of said tube respectively, said fittings each having an end opening in alignment with the extended axis of said metering tube, an inwardly−extending .annular shoulder at the innermost portion of each of said end openings, openings in said dttings respectively adapted for connection with conduit means leading to and from said now meter, structural

means securely holding said Httings a hxed distance apart, a taut guide−wire inside said transparent metering tube extending coaxially therethrough, transversely−extending anchorage means associated with the opposite end portions of said guide−wire seated on said inwardly−extending annular shoulders, adjustable means at one end portion oi' said guide−wire for adjustably longitudinally tensioning said wire, and a Boat member inside said tube freely slidably mounted on said taut guide−wire and restrained thereby from coming into contact with the wall nf said tube. 2. A tluid How meter including an upright elongated tapered transparent metering tube having its narrower end lowermost, separate inlet and outlet fittings having stuiiing boxes at the lower and upper ends nf said tube respectively with said ends disposed within said stufling boxes. structural means securely holding said fittings a fixed distance apart, stufling glands operatively mounted upon said structural means and adapted adjustably to coact with said stuffing boxes to provide a fluid−tight seal between said fittings and said tube, a corrosion−resistant guide−wire of_relatlvely small diameter inside said transparent tube coaxial therewith and hav− ing its opposite ends anchored in said fittings, said guide−wire being under tension, and a. float member inside said tube having an axial hole therethrough of a diameter only slightly larger than the diameter of said guide−wire, said guidewire extending through said hole and guiding said tloatmember in its movements inside said tube. 3. In a Huid How meter having an upright elongated tapered transparent metering tube with its narrower end lowermost, separate inlet and outlet fittings in sealed communication with the lower and upper ends of said tube respectively, and structural means securely holding said littings a fixed distance apart, a taut guidewire inside said transparent tube coaxial therewith said guide−wire having its ends anchored in said fittings, a spider carried by said guidewire adjacent thelower end of said metering tube, and a float member inside said tube mounted un said taut guide−wire and freely slidable therealong, said spider serving to center said guide−wire and to provide a lowermost stop lor said float member

0) DE647072A – DRUCKUNABHAENGIGER VOLUMENMESSER FUER GASFOERMI...

26) Family number: 20489401 (DE647072A) © PatBase

Title: DRUCKUNABHAENGIGER VOLUMENMESSER FUER GASFOERMIGE STOFFE
DRUCKUNABHAENGIGER VOLUME KNIFE FOR GASFOERMIGE SUBSTANCES
(Machine translation)

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International class (IPC 8–9): G01F3/38 (Advanced/Invention); G01F3/00 (Core/Invention)

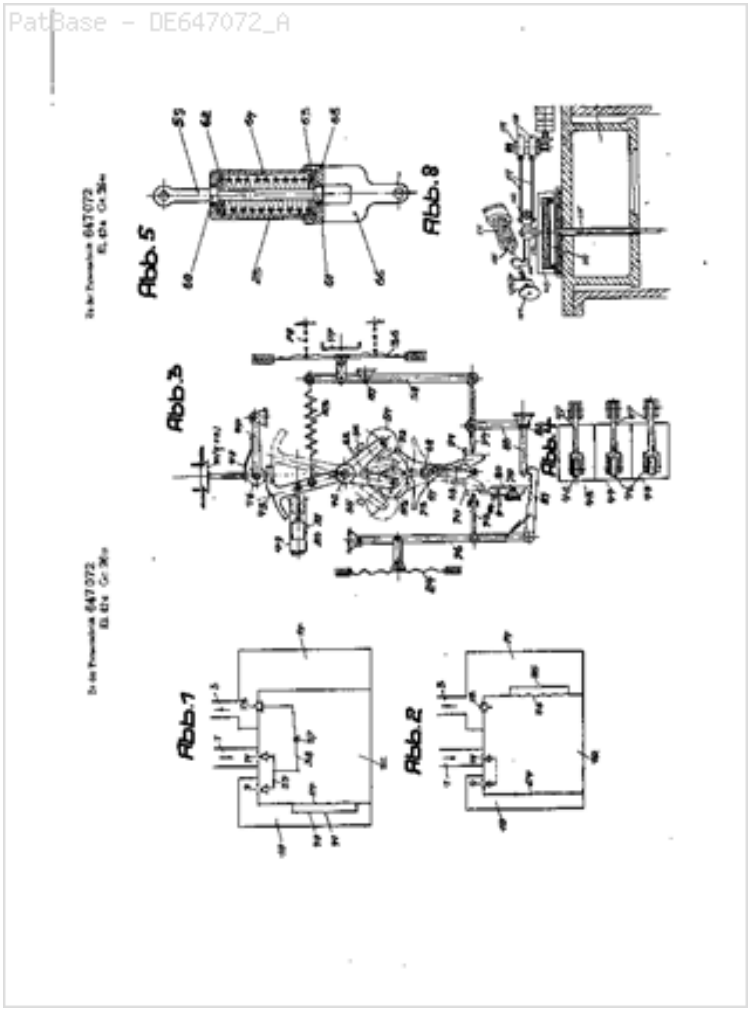
International class (IPC 1–7): G01F3/22

CPC: G01F3/38

European class: G01F3/38

Classification Explorer

Abstract:



Source: DE647072A [Source: Claim 1] 1. PATENTANSPRUECHE; i. Druckunabhaengiger Volumenmesser fuer gasfoermige Stoffe nach Patent 626 440, dadurch gekennzeichnet, dass saemtliche Ventile mitsamt ihrem Antriebswerk sich in der Schleusenkammer (12) befinden und die Fuellung der Vorkammer (ioj durch die Schleusenkammer erfolgt. –. Druckunabhaengiger Volumenmesser nach Anspruch i, bei welchem die Um schaltung der Ein– und Auslassorgane finit Hilfe eines zusaetzlichen Antriebes erfolgt, gekennzeichnet durch eine zwischen der Schleusenkaninier (12) undderAusgleichs– kammer @ 1.1) angeordnete Membran die waehrend ihrer 1–luebe eine Feder `231 spannt, su dass der in der Fuellperiode ab geschaltete Messer bei erneuter Gasent nahme mit Ililfe des Druckabfalles in der Ausgleichskammer (14'! anzuspringen @erinag. 3. Druckunabhaengiger Volumenmesser nach Anspruch i und. 2, dadurch gekenn zeichnet, dass die in bei Gasmessern be kannter Weise die Ventile (9, 11 und 13) des Messers steuernden –Nocken (43, 44, 45) so geformt und angeordnet sind, dass heim Umschalten zum Entleeren der Schleusenkammer (12) das Einlassventil (i i), das Ventil (9) zwischen der Sehleu– senkaniiner (12) und der Vorkammer (io) in dieser Reihenfolge nacheinander schliessen und hierauf das Auslassventil (13) oeffnet und umgekehrt beim Umschalten zum Fuellen der Schleusenkammer (12) erst das Auslassventil (13) schliesst und hierauf das Ventil (9) und dann das Ein lassventil (i i) oeffnet, wobei die Bewegung der Ventile (9 und ii) langsam und die des Ventils (13) schnell erfolgt. 4. Druckunabhaengiger Volumenmesser nach Anspruch i bis 3, dadurch gekenn zeichnet, dass die Verzoegerung der Bewe gung der Ventile (9 und i i) durch streckenweise Bremsung der Nockenbewe– gung mittels einer Luftdruckkolbenbremse (49) erzielt wird. 5. Druckunabhaengiger Volumenmesser nach Anspruch i bis 4, dadurch gekenn zeichnet, dass als Kolbenbremse die Ein fassung (59 bis 66) der in an sich be kannter Weise als beiderseitig vorge spannte Zugdruckfeder ausgebildeten Speicherfeder (23) des Umsteuerwerkes benutzt wird. 6. Druckunabhaengiger Volumenmesser nach Anspruch i bis 5, gekennzeichnet durch ein Umsteuerwerk mit einem Um schlaghebel (52–:), der sich unter dem Ein fluss der Speicherfeder (23) in den End– lagen mittels einer oder mehrerer Rollen (53, 54) abwechselnd gegen zwei Sperr hebel (72, 73) stuetzt, die sich mit den Rollen (53, 54) ganz oder fast in Totlage befinden und die zu einer ankerartigen, vorzugsweise mit einer Kippfeder (69) versehenen Hemme (68) zusammengefasst sein koennen. 7. Druckunabhaengiger Volumenmesser flach Anspruch i bis 6, dadurch gekenn zeichnet, dass der Anstoss der Hemme (68) bzw. des betreffenden Sperrhebels (72, 73) nach beendeter Fuellung durch einen von der Arbeitsmembran (36) bewegten ueber tragungshebel (58, 74), nach beendeter Entleerung durch einen v()11 der zwischen drr @`orhaniiner (1o) u11 less than 1 der Schleusen– kammer (i2) angeordneten Membran (24) bewegten uebertragungshebel (76, 75) er folgt. B. Druckunabhaengiger Volumenmesser nach Anspruch i bis 7, dadurch gekenn zeichnet, dass eine Rueckwaertsbewegung det zwischen der Vorkammer (io) und der Schleusenkammer (1z) angeordneten Mem bran (2q.) in die Ruhelage vor Beendigung ihres vorgeschriebenen Hubes ebenfalls einen Anstoss der Sperrhebel (72, 73) bzw. der Hemme (68) bewirkt. g. Druckunabhaengiger Volumenmesser nach Anspruch i bis 8, dadurch Bekenn ' zeichnet, dass der Mitnehmerhebel (8o), der den Anstoss der Sperre bei vorzeitigem Rueckhub der zwischen der Vorkammer (io) und der Schleusenkammer (i2) ange ordneten Membran (2q.) uebertraegt, –waeh rend der Fuellperiode durch einen von der Arbeitsmembran (36) bewegten Hebel (83) ausser Eingriff gebracht wird. io. Druckunabhaengiger Volumenmesser nach Anspruch i bis 9, gekennzeichnet durch einen Sockel (86), auf welchem zwei als Kammerwaende dienende Hauben ab dichtend befestigt sind, von denen die aeussere (87) die innere (88) umschliesst und auf welchem saemtliche beweglichen Teile angeordnet sind. i i. Druckunabhaengiger Volumenmesser nach Anspruch i bis io, dadurch Bekenn– ` zeichnet, dass der Sockel (86) die Vorkam mer (io) und die zwischen der Vorkammer (io) und der Schleusenkammer (i2) anzu ordnende Membran (2q.) enthaelt, waehrend die Arbeitsmembran (36) als Dose, vor– zugsweise als Federungskoerper, ausgebildet ist, deren Hubinhalt durch ein Rohr (9 i) mit der _ Ausgleichskammer (14) in Ver bindung steht. 12. Druckunabhaengiger Volumenmesser nach Anspruch i bis i i, gekennzeichnet durch eine an sich bekannte magnetische uebertragung der Membran– oder Ventil bewegung auf ein Zaehlwerk (iii), deren vom Magnetfluss mitgenommener Hebel (io3, io2, io6) seine Bewegung in den Grenzen zweier Anschlaege (10q., io5) aus fuehrt und auf ein Klemmschaltwerk (1o7, io8, iog) uebertraegt, welches das

Zaehlwerk (i i i) antreibt. 13. Druckunabhaengiger Volumenmesser nach Anspruch i bis 12, gekennzeichnet durch einen Temperaturfuehler, der die uebersetzung der Hubwege des Umsteuer werkes auf das Zaehlwerk (i i i) steuert. 1q.. Druckunabhaengiger Volumenmesser nach Anspruch i bis 13, dadurch gekenn zeichnet, dass der Temperaturfuehler einen der Anschlaege (1o4, io5) des Klemm schaltwerkantriebshebels (io6) verstellt. 15. Druckunabhaengiger Volumenmesser nach Anspruch i bis 1q., dadurch gekenn zeichnet, dass die Verstellung eines der Anschlaege (1o5) des Klemmschaltwerk–,antriebshebels (io6) mittels einer im In nern eines Federungskoerpers (iio) befind lichen Ausdehnungsfluessigkeit erfolgt. 16. Druckunabhaengiger Volumenmesser nach Anspruch i bis 15, gekennzeichnet durch von Hand zu betaetigende, mitein ander gekuppelte Abschlussorgane im Ein lassstutzen (i) und im Auslassstutzen (3). [Source: Claim 1] 1. Claims; i Druckunabhaengiger volume meter for gasfoermige substances according to 626 440, wherein all the valves with its drive factory located in the lock chamber (12) and the stuffing of the antechamber (ioj effected by the lock chamber –... Druckunabhaengiger volume meter according to claim i, wherein to which the circuit of the inputs and Auslassorgane finite means of an additional drive is characterized by a between the Schleusenkaninier (12) undderAusgleichs– chamber @ 1.1) arranged membrane during their 1–luebe a spring `231 spans, su that in the filling period from connected knife on renewed gas– acquisition with Ililfe the pressure drop in the balance chamber (14 'to jump! @erinag. 3. Druckunabhaengiger volume meter according to claim i and. 2, characterized in that in the case of gas knives be known manner, the valves (9, 11 and 13) of the blade–controlling cam assemblies (43, 44, 45) are so shaped and arranged that home switch for emptying of the lock chamber (12) the inlet valve (ii), the valve (9) senkaniiner between the Sehleu– (12) and the prechamber (io) close successively in this order and then the discharge valve (13) opens and vice versa, when switching for filling the lock chamber (12) until the outlet valve (13) closes and then the valve (9) and then the A outlet valve (ii) opens, wherein the movement of the valves (9 and ii) slowly and the valve (13) is fast. 4. Druckunabhaengiger volume meter according to claim i to 3, characterized in that the Delay of BEWE supply for valves is obtained (9 and i i) supply in parts by braking the Nockenbewe– means of an air–pressure piston brake (49). 5. Druckunabhaengiger volume meter according to claim i to 4, characterized in that as a piston brake, the A jack (59 to 66) which is designed as mutually biased Zugdruckfeder in be per se known manner storage spring (23) of Umsteuerwerkes used. 6. Druckunabhaengiger volume meter according to claim i to 5, characterized by a Umsteuerwerk with an order striking lever (52–:), the below a river, the reservoir spring (23) in the end positions by one or more rollers (53, 54) alternately against two locking levers (72, 73) is based, dedicated to the rollers (53, 54) are completely or almost in dead center and an anchor type, preferably with a toggle spring (69) provided Hemme (68) can be combined. 7. Druckunabhaengiger volume meter flat claim i to 6, characterized marked by the fact that the impetus of Hemme (68) or the respective locking lever (72, 73) after completion of stuffing by one of the working diaphragm (36) moving over tragungshebel (58, 74), after the end of emptying by v () 11 between drr @ `orhaniiner (1o) u11 less than 1 of the lock chamber (i2) arranged membrane (24) moving transmission lever (76, 75) it follows. B. Druckunabhaengiger volume meter to 7, characterized according to claim i, that a Rueckwaertsbewegung det between the antechamber (io) and the lock chamber (1z) arranged Mem bran (2q.) To the rest position before the completion of their prescribed stroke also an impetus to the locking lever (72, 73) and the arrester (68) effected. g. Druckunabhaengiger volume meter according to claim i to 8, characterized confess' is characterized in that the transmission lever (8o), of which the impetus of the lock with premature retraction stroke between the antechamber (io) and the lock chamber (i2) arranged membrane (2q.) CONFERS, –waeh rend the filling period by one of the working diaphragm (36) moving the lever (83) out of engagement is brought. io. Druckunabhaengiger Volume flow meter according to claim I to 9, characterized by a base (86), on which are two serving as Kammerwaende hoods mounted on sealing, the outer of which (87) the inner (88) surrounds and is in which all movable parts are arranged. i i. Druckunabhaengiger volume meter according to claim i to io, characterized Bekenn– `is characterized in that the base (86) to the pre–chamber (io) and between the antechamber (io) and the lock chamber (i2) grading membrane (2q.) contains, while the operating diaphragm (36) as a can, preferably as Federungskoerper is formed whose Hubinhalt through a pipe (9 i) is in conjunction with the _ compensating chamber (14). 12. Druckunabhaengiger volume meter according to claim i to ii, characterized by a known magnetic transfer of the diaphragms and valves movement on a counter (iii), which were taken home by the magnetic flux lever (io3, io2, IO6) its movement within the limits of two acts of terrorism (10q., IO5) of leads and on a clamp derailleur (1o7, IO8, iog) CONFERS which drives the counter (iii). 13 Druckunabhaengiger volume meter according to claim i to 12, characterized by a Temperaturfuehler, the uebersetzung the stroke lengths of the reversing directional work on the counter (i i i) controls. 1q.. Druckunabhaengiger volume meter according to claim i to 13, characterized in that the Temperaturfuehler one of the acts of terrorism (1o4, IO5) of the clamp derailleur drive lever (IO6) adjusted. 15. Druckunabhaengiger volume meter according to claim i to 1q., Characterized in that the adjustment of the acts of terrorism (1o5) of Klemmschaltwerk–, drive lever (IO6) by means of a union in befind In ners a Federungskoerpers (iio) Ausdehnungsfluessigkeit. 16. Druckunabhaengiger volume meter according to claim i to 15, characterized by manually operable, mitein other coupled closure members in an outlet connector (i) and the outlet (3).

0) US2006076768A – PORTABLE AIRCRAFT FUELING SYSTEM

27) Family number: 32813556 (US2006076768A) © PatBase

Title: PORTABLE AIRCRAFT FUELING SYSTEM

Priority: US20040963206 20041011

Family:

Publication number	Publication date	Application number	Application date
US2006076768 AA	20060413	US20040963206	20041011

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Inventor(s): KUNTZ JAMES

Agent(s): L GRANT FOSTER HOLLAND AND HART LLP

International class (IPC 8–9)**:** B60P3/22 (Advanced/Invention); B60P3/22 (Core/Invention)

CPC: B60P3/2245

European class: B60P3/22B1

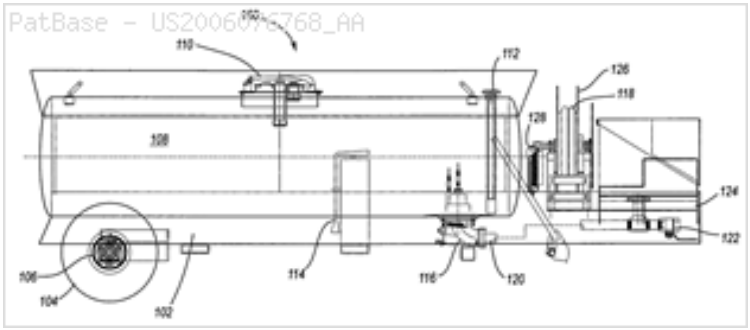
US class: 280/830

Classification Explorer

Cited documents: US6213515 BA, US6186196 BA, US4135596 A, US3648720 A, US2960106 A, US2871872 A, US2847023 A,

Forward Citations: US8777125,

Abstract:
Source: US2006076768A The present invention involves an aircraft fueling apparatus and associated methods of fueling with features that reduce the risk of fuel spills and other accidents. The present invention more specifically contemplates aircraft fueling methods and apparatus that immobilize a fueler when a fueling nozzle is removed from its holster. Moreover, the apparatus described herein may be easily transported from one place to another and operate safely and effectively without external electrical power.



28) Family number: 57417704 (US2014260548A) © PatBase

Title: SYSTEM AND METHOD FOR DETECTING LEAKS IN A FLUID FILLED VESSEL

Priority: US20130838618 20130315 US20150831771 20150820 US20160279590 20160929

Family:

Publication number	Publication date	Application number	Application date
US2014260548 AA	20140918	US20130838618	20130315
US2015355046 AA	20151210	US20150831771	20150820
US2017030796 AA	20170202	US20160279590	20160929
US9128002 BB	20150908	US20130838618	20130315
US9464959 BB	20161011	US20150831771	20150820

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Inventor(s):(std)**:** MARINO MARK D

Agent(s): GREENBERG TRAURIG LLP; MCHALE AND SLAVIN PA

International class (IPC 8–9)**:** G01M3/02 G01M3/22 G01M3/32 (Advanced/Invention); G01M3/04 G01M3/10 G01M3/26 (Advanced/Non–invention)

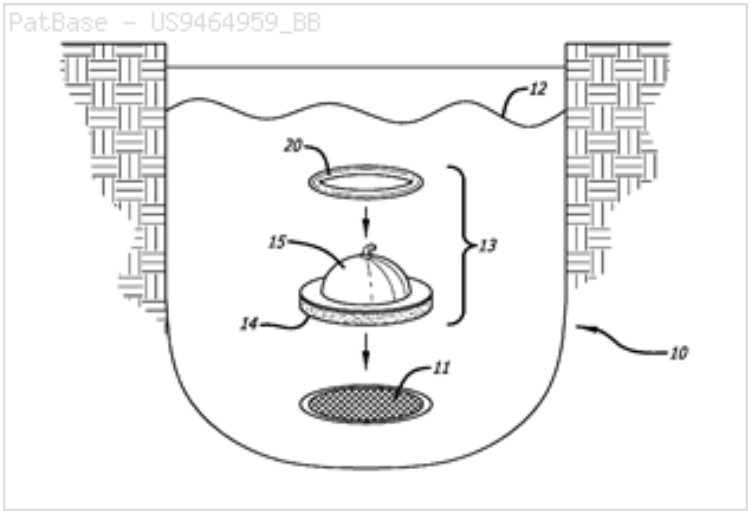
CPC: G01M3/04 G01M3/10 G01M3/26 G01M3/32 G01M3/226 G01M3/02 G01M3/3254

US class: 1/1 73/40

Classification Explorer

Cited documents: US7513274 BA, US7185529 BB, US6942188 BB, US6823719 BB, US6736278 BB, US6637258 BA, US6463791 BA, US6367403 BA, US6314795 BA, US6289722 BA, US6185755 BA, US608207 A, US5734096 A, US5711501 A, US5640096 A, US5559282 A, US5381990 A, US5372031 A, US5261269 A, US5065690 A, US4979390 A, US4841149 A, US4566313 A, US4231501 A, US4002055 A, US3840208 A, US3524342 A, US3407337 A, US3043129 A, US2694924 A, US2678666 A, US2660053 A, US2028640 A, US2012124733 AA, US2011245682 AA, US2010242576 AA, US1760704 A, US1528081 A,

Abstract:
Source: US2014260548A A leak detecting device for water filled vessel such as a swimming pool. An annular resilient seal having a central opening contacts the surface of the vessel under water and creates a seal between the resilient seal and the vessel. A rigid housing open in its interior is coupled to the resilient seal and has an opening for an inlet to deliver fluid into the interior of the housing, or couple a flow meter thereto to measure the fluid flow, or deliver a dye into the housing and through the central opening of the resilient seal.



0) US2008308318A – ELECTRICALLY POWERED TRACTOR

29) Family number: 42672793 (US2008308318A) © PatBase

Title: ELECTRICALLY POWERED TRACTOR

Priority: US20070934784P 20070615 US20070944078P 20070614 US20070964788P 20070814 US20080139385 20080613 WO2008US67016 20080613 US20100840166 20100720

Family:

Publication number	Publication date	Application number	Application date
CA2688348 AA	20091125	CA20082688348	20080613
CA2688348 C	20151006	CA20082688348	20080613
US2008308318 AA	20081218	US20080139385	20080613
US2011067926 AA	20110324	US20100840166	20100720
US7770667 BB	20100810	US20080139385	20080613
US8028766 BB	20111004	US20100840166	20100720
WO08157428 A2	20081224	WO2008US67016	20080613
WO08157428 A3	20101104	WO2008US67016	20080613

Probable Assignee: WWT NORTH AMERICA HOLDINGS INC

Assignee(s):(std)**:** WESTERN WELL TOOL INC ; WWT INTERNATIONAL INC

Assignee(s): WWT NORTH AMERICA HOLDINGS INC ; WWT INC ; WWT INT INC ; MOORE NORMAN BRUCE

Inventor(s):(std)**:** MOORE NORMAN BRUCE

Agent(s): SIM AND MCBURNEY; AIRD AND MCBURNEY LP; KNOBBE MARTENS OLSON AND BEAR LLP; SIMPSON ANDREW H

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): E21B17/10 E21B23/00 E21B4/04 E21B4/18 (Advanced/Invention); E21B23/00 E21B4/00 (Core/Invention)

CPC: E21B4/04 E21B4/18 E21B2023/008

European class: E21B4/04 E21B4/18 P21B23/00T

US class: 166/216 175/104 175/230 175/325.3 175/325.300P 175/51 175/97 175/98

Classification Explorer

Cited documents: WO08024881 A1, USRE31607 E, US7392859 BB, US7252143 BB, US7121364 BB, US6920936 BB, US6910533 BB, US6868901 BB, US6715559 BB, US6679341 BB, US6655458 BB, US6629568 BB, US6464003 BB, US6347674 BA, US6315075 BA, US6241031 BA, US6026911 A, US6003606 A, US5954131 A, US5794703 A, US5613568 A, US5394951 A, US5328180 A, US5316094 A, US5311954 A, US4715469 A, US4441361 A, US4243099 A, US4124070 A, US4116274 A, US3690375 A, US3661205 A, US3587757 A, US3497019 A, US3430698 A, US3298449 A, US2008149339 AA, US2007209806 AA, US2007095532 AA, US2006249307 AA, US2005139357 AA, GB2241723 A1,

Forward Citations: WO16130142, WO16010436, WO15115904, WO15006310, WO12120282, WO11068842, WO11068842, WO11005519, WO11005519, US9488020, US9482067, US9447648, US9255449, US9249645, US9243456, US9228403, US9181756, US9080388, US8973651, US8944161, US8910720, US8844636, US8807246, US8602115, US8555963, US8485278, US8245796, US8151902, US8109331, US2014374119, US2014110179, US2014027176, US2012313790, US2012292049, US2012168176, US2012087738, US2011127046, US2010263856, US2010258296, GB2530920, EP2847416, CN105247164, CN104060960, CN102808589, CN102808589, CN102720454, CN102720454, AU2010236958,

Abstract:
Source: US2008308318A An electrically powered and controlled tractor system includes one or more electric gripper assemblies and one or more electric power train assemblies. Power and control signals for the gripper assemblies and power train assemblies can be delivered from a ground surface via a wireline. The gripper assembly employs a motor–activated lead screw and nut combination to expand passage–gripping elements, preferably by pushing the gripping elements radially outward from locations between opposing ends of the gripping elements. A failsafe mechanism can retract the gripping elements during a power interruption. The power train assembly employs a motor–activated lead screw and nut combination to expand and contract two or more telescoping members. The tractor system can include multiple tractor units that each includes one gripper assembly and one power train assembly. A tractor can include one power train assembly and two gripper assemblies.

PatBase - WO08157428_A2

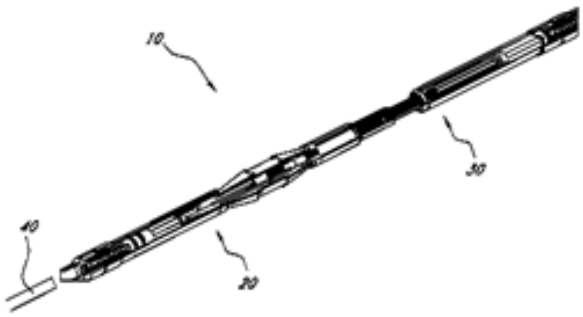


FIG. 1

0) US2005115611A – RAVEN METER BOX LID. RML–1118, RML–1324, RML–14...

30) Family number: 31960916 (US2005115611A) © PatBase

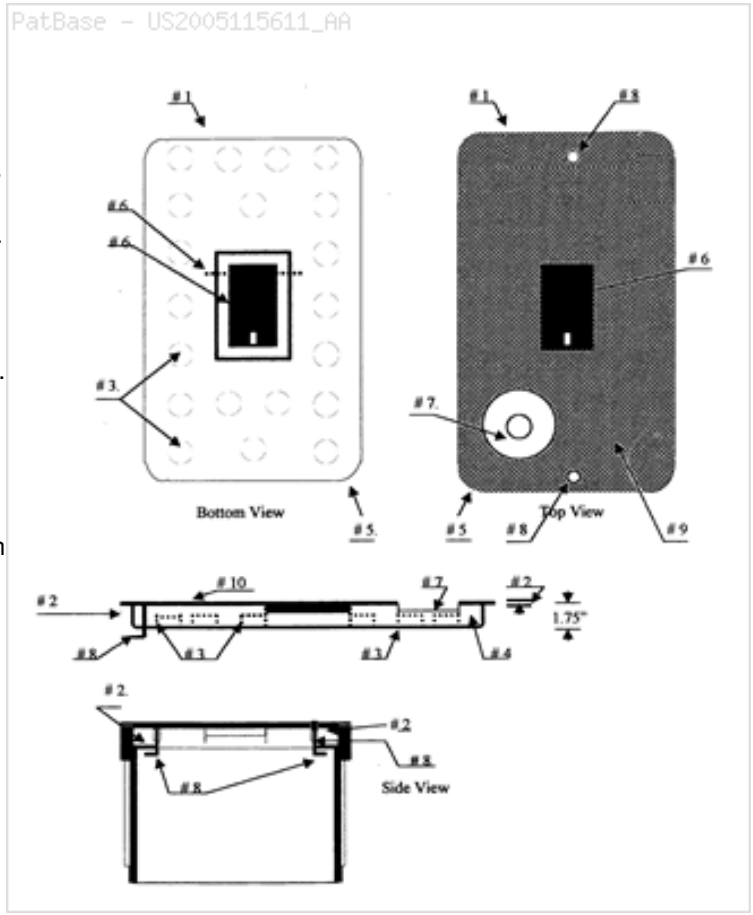
Title:	RAVEN METER BOX LID. RML–1118, RML–1324, RML–1416, RML–1527, RML–1730 AND RML–2436
Priority:	US20030513717P 20031024 US20040953977 20040929

Family:

Publication number	Publication date	Application number	Application date
US2005115611 AA	20050602	US20040953977	20040929

Probable Assignee:	HENDERSON DONALD J
Assignee(s):(std)**:**	HENDERSON DONALD J
Inventor(s):(std)**:**	HENDERSON DONALD J
Inventor(s):	HENDERSON DONALD JAMES ; HENDERSON DONALD
Agent(s):	DONALD JAMES HENDERSON
International class (IPC 8–9)**:**	E03B9/10 F16K27/12 (Advanced/Invention); E03B9/00 F16K27/00 (Core/Invention)
International class (IPC 1–7)**:**	F16K27/00
CPC:	E03B9/10 F16K27/12 Y10T137/6995
European class:	E03B9/10 F16K27/12
US class:	137/364
Classification Explorer	
Cited documents:	USD257133 S1, US6886577 BA, US6244458 BA, US5509565 A, US5353206 A, US5052369 A, US4872575 A, US4530344 A, US3952908 A, US3858755 A,
Forward Citations:	US2009044869, KR101128323,

Abstract:
Source: US2005115611A (1). Polyethylene lids will provide an alterative to the heavy iron and cement lids used today. Water utility managers are asking for a lighter lid because they have had a great deal of problems and endured excessive medical expenses and loss of trained workers, caused by injured backs and hands trying to lift and set heavy lids from awkward positions. There is a growing number of employees in maintenance and construction work who are not as strong as their male counterparts or as young. These lightweight durable lids eliminate back and hand injuries while providing all of the listed advantages. (2). Polyethylene lids are easier to drill holes in, too accommodate new touch read and radio read antenna modules. (3). Polyethylene lids will not rust or corrode causing loss of strength. Will maintain a shinny black surface without rusting. (4). Will support foot traffic and lawn maintenance equipment without distortion or cracking.



0) WO11147021A1 – EXPANDABLE POLYMER BLADDER APPARATUS FOR UNDERW...

31) Family number: 50015866 (WO11147021A1) © PatBase

Title: EXPANDABLE POLYMER BLADDER APPARATUS FOR UNDERWATER PIPELINES AND WELLS

Priority: US20100349721P 20100528 US20100353913P 20100611 US20100366491P 20100721

Family:

Publication number	Publication date	Application number	Application date
WO11147021 A1	20111201	WO2011CA00607	20110530

Probable Assignee: KRAHN PETER KARL

Assignee(s):(std)**:** KRAHN PETER KARL

Inventor(s):(std)**:** KRAHN PETER KARL

Agent(s): BURRI STEPHEN R

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): E21B33/02 F16L1/26 F16L17/10 F16L25/14 F16L55/134 F16L55/162 (Advanced/Invention)

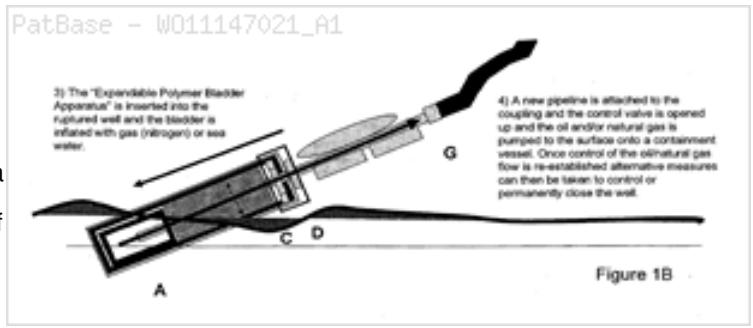
CPC: E21B33/02 E21B33/1208 E21B33/127 E21B33/1277 E21B33/128 E21B33/129 E21B33/1291 F16L55/134

European class: E21B33/02 E21B33/127 E21B33/127S E21B33/128 E21B33/129 E21B33/129F E21B33/12F F16L55/134

Classification Explorer

Cited documents: WO9809054, WO0047928, US4783045, US2008193221,

Abstract:
Expandable polymer bladder apparatus embodiments with flow control mechanism for initially reducing and regaining control of the flow and subsequently in stopping or regulating and controlling the flow of fluids from a ruptured pipeline or well particularly in a deep (sea) underwater scenario. The apparatus has an expandable bladder made of a polymer resistant to rupture by internal or external pressure, piercing by physical abrasion or contact with sharp surfaces and chemical degradation by the fluid being brought under control, and is concentrically mounted around a fluid transport and control tube resistant to rupture by internal pressure, piercing by physical abrasion or contact with sharp surfaces and chemical degradation by the fluid being brought under control, and a fluid transport tube having an inlet port which does not have flow control and an exit port which has a flow control valve and a connective coupling.



0) DE102013102544A1 – DURCHFLUSSMESSGERAET MIT EINEM KUNSTSTOFFMESSRO...

32) Family number: 57404643 (DE102013102544A1) © PatBase

Title: DURCHFLUSSMESSGERAET MIT EINEM KUNSTSTOFFMESSROHR Flowmeter WITH A PLASTIC MEASURING TUBE (Machine translation)

Priority: DE201310102544 20130313

Family:

Publication number	Publication date	Application number	Application date
DE102013102544 A1	20140918	DE201310102544	20130313

Probable Assignee: FLOWTEC AG

Assignee(s):(std)**:** FLOWTEC AG

Assignee(s): ENDRESS AND HAUSER FLOWTEC AG

Inventor(s):(std)**:** BLASER KURT ; DREHER LARS ; IHRINGER THILO ; KERROM ROGER ; SULZER THOMAS ; TSCHAMBSER FLORENT

International class (IPC 8–9): G01F1/58 G01F15/02 G01F15/14 G01F15/18 (Advanced/Invention)

CPC: G01F1/588

Classification Explorer

Cited documents: NL8004709 A, DE2848382 A1, DE10340056 B4, DE10340056 A1,

DE102010029119 A1

DE102005009675 B3

DE102005002907 A1

CN202255491 U,

Forward Citations: DE102015100661,

Abstract:
Source: DE102013102544A1 Ein Durchflussmessgeraet mit einem Kunststoff−Messrohr, wobei das Durchflussmessgeraet ein Gehaeuse aufweist, welches zusammen mit dem Kunststoff−Messrohr einen um das Kunststoff−Messrohr umlaufenden Hohlraum begrenzt, wobei innerhalb dieses Hohlraumes Mittel zur Ermittlung der Durchflussgeschwindigkeit, des Volumen− oder des Massendurchflusses eines Mediums angeordnet sind, wobei das Durchflussmessgeraet innerhalb dieses durch das Gehaeuse definierten Hohlraumes eine Stuetzhuelse aufweist, welche eine Aufweitung des Kunststoff−Messrohres innerhalb des Hohlraumes verhindert. A flow meter with a plastic measuring tube, said flowmeter having a housing, which delimits together with the plastic measuring tube a circumferential around the plastic measuring tube cavity, and within this cavity means for determining the flow rate, the volume or the mass flow of a medium are disposed, wherein the flow meter within this defined by said housing cavity has a Stuetzhuelse which prevents expansion of the plastic measuring tube within the cavity.

PatBase - DE102013102544_A1

Anhängende Zeichnungen

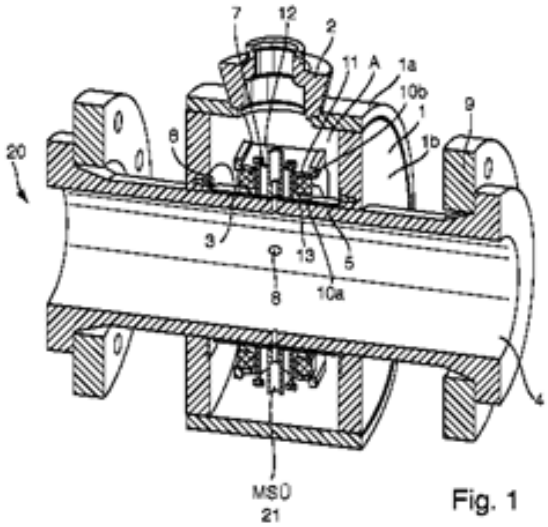


Fig. 1

0) US6314795B – LEAK TRACING

33) Family number: 20679929 (US6314795B) © PatBase

Title: Leak tracing

Priority: GB19970015283 19970722 WO1998GB01982 19980722

Family:

Publication number	Publication date	Application number	Application date
AU199884482 A1	19990301	AU19980084482	19980722
CA2266603 AA	19990319	CA19982266603	19980722
CN1239545 A	19991222	CN19988001349	19980722
EP0932823 A1	19990804	EP19980935120	19980722
GB2327505 A1	19990127	GB19980015923	19980722
GB2327505 B2	20011017	GB19980015923	19980722
GB9715283 A0	19970924	GB19970015283	19970722
GB9815923 A0	19980923	GB19980015923	19980722
JP2001508877 T2	20010703	JP19990511799T	19980722
NO991349 A	19990521	NO19990001349	19990319
NO991349 A0	19990319	NO19990001349	19990319
US6314795 BA	20011113	US19990269116	19990519
WO9908087 A1	19990218	WO1998GB01982	19980722

Probable Assignee: FERRET TECHNOLOGY LTD

Assignee(s):(std)**:** FREIGHT TECH CO LTD ; INGHAM MICHAEL G ; INGHAM MICHAEL GEORGE ; MICHAEL GEORGE INGHAM ; FERRET TECH LTD

Assignee(s): FERRET TECHNOLOGY LIMITED ; FERRET TECHNOLOGY LTD

Inventor(s):(std)**:** INGHAM MICHAEL GEORGE ; MICHAEL GEORGE INGHAM

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO

Designated states: AL AM AT AU AZ BA BB BE BG BR BY CA CH CN CU CY CZ DE DK EE ES FI FR GB GE GH GM GR HU ID IE IL IS IT JP KE KG KP KR KZ LC 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 SL TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9): G01M3/00 G01M3/28 (Advanced/Invention); G01M3/28 (Core/Invention)

International class (IPC 1–7): F16L55/12 F16L55/128 G01M G01M G01M3/00 G01M3/28

CPC: G01M3/2823

European class: G01M3/28A4

US class: 73/40.5R 73/405R 73/49.1 73/491 73/865.8

Classification Explorer

Cited documents: US4866978 A, US4646787 A, US4572228 A, US3903730 A, US3889522 A, US3837214 A, US3690348 A, GB201435 A, GB1576624 A, GB1384374 A, FR2583849 A1, EP0727651 A1, DE19545383 A1,

Forward Citations: WO14052170, WO12168736, WO03002971, US9506785, US9464959, US9417153, US9128002, US8776580, US8342006, US7263873, US7137308, US2010064776, US2009223283, US2004130332, GB2435329, GB2435329, GB2345548, GB2345548, FR2809489, CN103048091, CN103048091,

Abstract:
Source: US6314795B A method of leak detection in a pipeline, characterized by the steps of: introducing into the pipeline (w) at an opening an initially loose fitting plug (11) having at least an expandable periphery (21); adopted for inflation by means of a flexible pipe (23); providing along the length of the flexible pipe (23) tracing means (31) for detecting the position of the plug remotely; allowing the plug (11) to be driven along the pipeline by a fluid pressure differential; inflating the plug to substantially block the flow of fluid; verifying the pressure or flow conditions upstream of the plug to detect fluid leak; and remotely detecting the position of the plug and relating it to the position of leak (x).

PatBase - WO9908087_A1

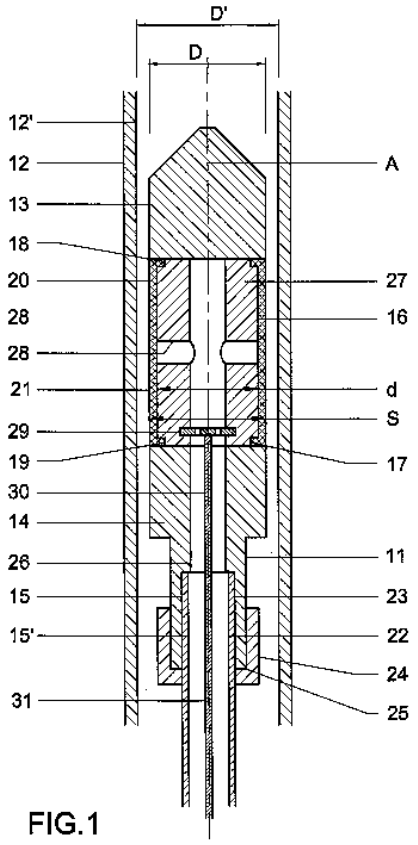


FIG.1

SUBSTITUTE SHEET (RULE 26)

0) US5353849A – APPARATUS FOR METERING AND TRANSFER OF CRYOGENI...

34) Family number: 12650048 (US5353849A) © PatBase

Title: APPARATUS FOR METERING AND TRANSFER OF CRYOGENIC LIQUIDS

Priority: US19920888851 19920527 US19940315713 19940930 US19990455400 19991206 US19980094659 19980615

Family:

Publication number	Publication date	Application number	Application date
US5353849 A	19941011	US19920888851	19920527
US5765602 A	19980616	US19940315713	19940930
US5996649 A	19991207	US19980094659	19980615
US6142191 A	20001107	US19990455400	19991206

Probable Assignee: CRYOGENIC FUELS INC

Assignee(s):(std)**:** CRYOGENIC FUELS INC

Inventor(s):(std)**:** ADKINS ROY E ; SUTTON HAROLD E

International class (IPC 8–9)**:** F17C13/02 F17C5/00 F17C6/00 F17C7/02 (Advanced/Invention)

International class (IPC 1–7)**:** B65B1/04 B65B3/04 B65B31/00

CPC: F17C2205/0364 F17C2205/037 F17C2221/033 F17C2223/0161 F17C2223/033 F17C2227/0135 F17C2250/0408 F17C2250/0443 F17C2250/0636 F17C2260/024 F17C7/02 F17C5/007 F17C6/00 F17C13/02 F17C13/021 F17C13/023 F17C2205/0376 F17C2265/065 F17C2270/0139

European class: F17C13/02 F17C13/02H F17C13/02M F17C5/00D4 F17C6/00 F17C7/02 R17C205/03L11 R17C265/06C R17C270/01B2

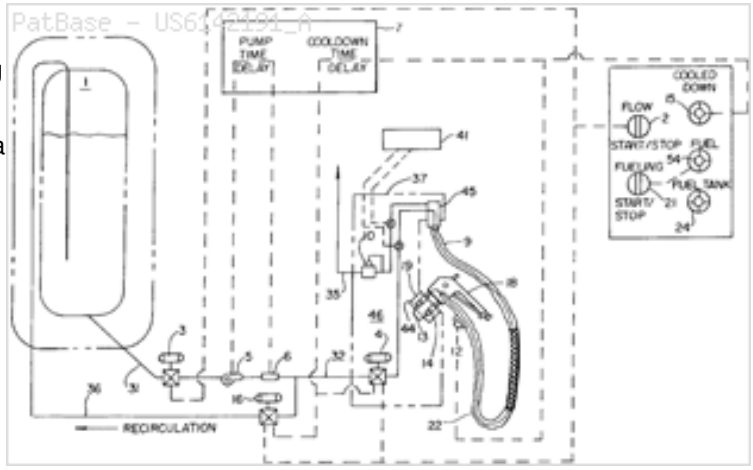
US class: 141/18 141/192 141/198 141/207 141/302 141/383 141/387 141/44 141/46 141/59 141/82 141/83 222/52

Classification Explorer

Cited documents: US5433163 A, US5409046 A, US5323808 A, US5301723 A, US5236023 A, US5156199 A, US5035271 A, US4730652 A, US4608830 A, US4232715 A, US3962882 A, US3874428 A, US3863688 A, US2359648 A,

Forward Citations: WO08017756, WO08017756, WO06084593, WO06083554, WO03056232, US9586806, US9527786, US9464762, US9353315, US9291409, US9162565, US9052065, US8900343, US8864887, US8840703, US8776843, US8529215, US7721770, US7617848, US7607898, US7600541, US7591137, US7475448, US7464734, US7284575, US7082969, US7021341, US6945286, US6516824, US6474078, US6196280, US6182715, US6158482, US5771946, US5743096, US5687776, US5655578, US5590535, US2016010798, US2014261874, US2014096540, US2013061983, US2012137708, US2010040989, US2009107152, US2008078188, US2008016883, US2007181210, US2007029008, US2006254676, US2006169350, US2006156744, US2006005895, US2006000048, US2005147513, US2004221918, US2004079439, JP2012518143, FR2944517, FR2904818, EP2243995, EP1808638, EP1248032, EP0779470, DE102012104546, DE102006031000,

Abstract:



Source: US5353849A An apparatus and method for efficiently metering and transferring a cryogenic liquid, such as liquefied natural gas, from a storage vessel to, for example, a vehicle fuel tank. The apparatus incorporates a programmable controller, a motor−driven pump and a network of conduits with motor−operated valves and liquid sensors for effecting a priming of the pump with liquid free of vapor and a cool−down of the flow passages prior to a transfer operation for ensuring that a vapor−free liquid is delivered. A pair of flow meters, one for liquid and the other for returned vapor, allows a reliable determination of the amount of liquid delivered to−and remaining in−a receiving vessel. The apparatus employs a delivery nozzle with quick−disconnect valved fittings and a delivery nozzle incorporating features which allow it to be handled by an operator without the use of heavy gloves. The method of transferring a cryogenic liquid employs an operating sequence with programmed time delays for ensuring that the liquid pump is properly primed and that the transfer apparatus is cooled down before liquid transfer begins.

0) US6179809B – DRUG DELIVERY CATHETER WITH TIP ALIGNMENT

35) Family number: 15743323 (US6179809B) © PatBase

Title: Drug delivery catheter with tip alignment

Priority: CA19982248025 19980922 CA19982248328 19980922 US19980080175 19980516 US19980156963 19980918 US19970059892P 19970924 US19970059892P 19970924 US19990314459 19990518 US19990326118 19990604 WO1999US10692 19990514 US20000697672 20001026 US19980156964 19980918

Family:

Publication number	Publication date	Application number	Application date
AU199887032 A1	19990415	AU19980087032	19980924
AU199887033 A1	19990527	AU19980087033	19980924
AU199939040 A1	19991206	AU19990039040	19990514
AU712738 B2	19991118	AU19980087033	19980924
CA2248025 AA	19990324	CA19982248025	19980922
CA2248328 AA	19990324	CA19982248328	19980922
EP0904797 A2	19990331	EP19980307746	19980924
EP0904797 A3	20000809	EP19980307746	19980924
EP0908194 A2	19990414	EP19980307745	19980924
EP0908194 A3	20000809	EP19980307745	19980924
JP11221229 A2	19990817	JP19980307761	19980924
JP11239619 A2	19990907	JP19980307762	19980924
US6179809 BA	20010130	US19980156964	19980918
US6183444 BA	20010206	US19980080175	19980516
US6309375 BA	20011030	US19990314459	19990518
US6551302 BA	20030422	US20000697672	20001026
US6554794 BA	20030429	US19990326118	19990604
WO9959663 A1	19991125	WO1999US10692	19990514

Probable Assignee: CRYOLIFE INC

Assignee(s):(std)**:** MICROHEART INC ; ECLIPSE SURGICAL TECH ; ECLIPSE SURGICAL TECHNOLOGIES INC ; ECLIPSE SURGICAL TECHNOL INC

Assignee(s): DANIEL STEVEN A ; CRYOLIFE INC ; BOSTON SCIENTIFIC CORP ; BROWN DANIEL S ; CHEE U HIRAM ; HORZEWSKI MICHAEL ; HARMAN STUART D ; KHAIRKHAHAN ALEXANDER ; MUELLER RICHARD L ; LADUCA ROBERT ; LUNDQUIST LAUREN K ; GENERAL ELECTRIC CAPITAL AGENT AS CORP ; GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT AS C ; GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT AS CORP ; HEALTHCARE FINANCIAL SOLUTIONS LLC SUCCESSOR AGENT AS ; HEALTHCARE FINANCIAL SOLUTIONS LLC AGENT AS ; MURPHY CHUTORIAN DOUGLAS R ; ROSINKO MICHAEL J ; PHIPPS RICHARD D ; SALAHIEH AMR ; MURPHY CHUTORIAN DOUGLAS ; ROSINKO MICHAEL

Inventor(s):(std)**:** ALEXANDER KHAIRKHAHAN ; BROWN DANIEL S ; CHEE U HIRAM ; DANIEL S BROWN ; DANIEL STEVEN A ; DOUGLAS MURPHY CHUTORIAN ; GLINES ROBERT C ; HARMAN STUART D ; HORZEWSKI MICHAEL ; KHAIRKHAHAN ALEXANDER ; LADUCA ROBERT ; LAUREN K LUNDQUIST ; LUNDQUIST LAUREN K ; MICHAEL HORZEWSKI ; MICHAEL ROSINKO ; MUELLER RICHARD L ; MURPHY CHUTORIAN DOUGLAS ; PHIPPS RICHARD D ; RICHARD D PHIPPS ; RICHARD L MUELLER ; ROBERT C GLINES ; SALAHIEH AMR ; STUART D HARMAN ; ROSINKO MICHAEL J ; ROSINKO MICHAEL ; MURPHY CHUTORIAN DOUGLAS R ; HORZEWSKI MICHAEL J ; LUNDQUIST LAUREN

Agent(s): GRIFFITH HACK; CASSAN MACLEAN

Designated states: AT AU 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): A61B17/00 A61B17/34 A61B18/00 A61B18/20 A61M25/00 A61M25/01 A61M25/092 A61M31/00 A61M5/315 A61M5/32 (Advanced/Invention); A61B17/00 A61B18/00 A61B18/20 A61M25/00 A61M25/01 A61M31/00 A61M5/32 (Advanced/Non–invention);

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A61B17/00 A61M25/00 A61M25/01 A61M5/32 (Core/Non–invention)

International class (IPC 1–7): A61B17/02 A61B17/36 A61B18/18 A61M25/00 A61M25/01 A61M25/092 A61M31/00 A61M37/00 A61M5/00 A61M5/06

CPC: A61B8/06 A61B8/12 A61M25/0084 A61M25/0136 A61M25/0147 A61M2025/0089 A61B17/3478 A61B2017/00243 A61B2017/00247 A61B2018/00392 A61M5/31531 A61M5/31553 A61M5/31561 A61M5/31563 A61M5/31581 A61M5/31593 A61M5/3287 A61M2005/3125 A61M2025/0039 A61M25/0026 A61M25/0138 A61M25/0141 A61M25/0144

European class: A61B17/34Q A61M25/00T40A A61M25/01C10A A61M25/01C10C A61M25/01C10E A61M25/01C10G A61M25/01C10K K61B17/00E1C K61B17/00E1C2 K61B18/00F6A8 K61B8/06 K61B8/12 K61M25/00R1M K61M25/00R1M18 K61M25/00T40A3 K61M25/01C10K K61M5/315D4 K61M5/315E2B1B K61M5/315E2B5 K61M5/315E2B6 K61M5/315F2A2 K61M5/315F3B K61M5/31A8 K61M5/32E

US class: 604/187 604/207 604/22 604/28 604/30 604/31 604/505 604/528 604/532 604/95.04 606/13 606/14 606/15

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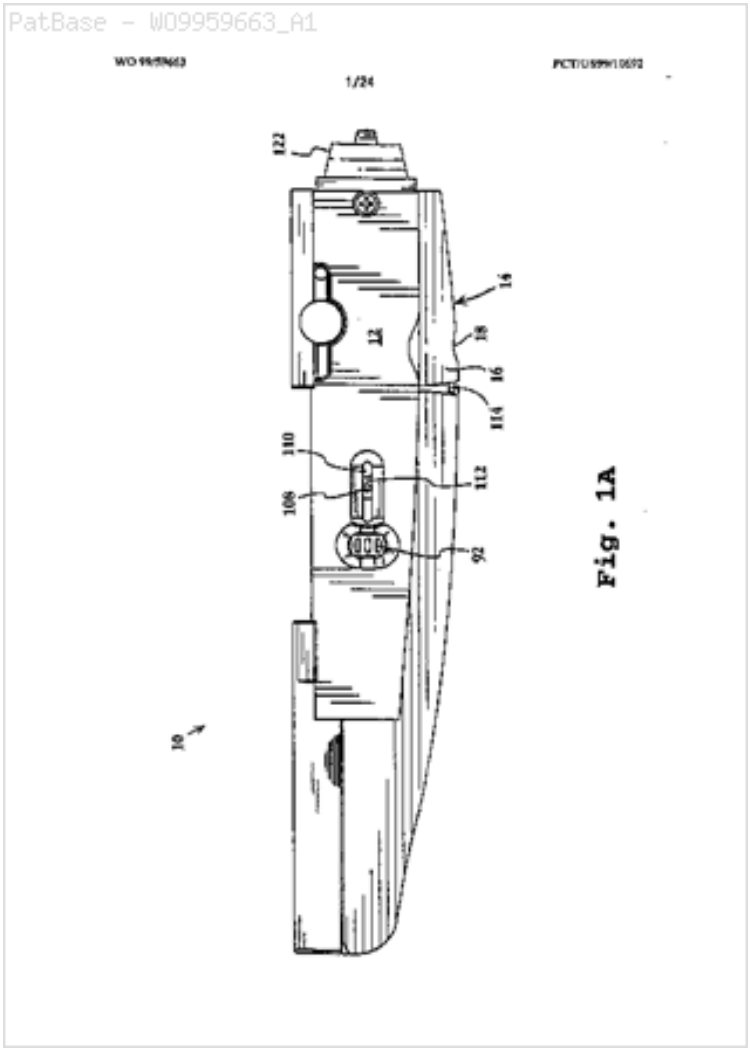
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Abstract:
Source: US6179809B A steerable drug delivery catheter and method of use, particularly adapted for percutaneous use. The distal end of the drug delivery catheter is deflectable. The catheter has a relative movement compensation mechanism for maintaining positioning between the distal end of the drug delivery catheter and the distal end of the drug delivery device therein.



36) Family number: 42572614 (US2009156953A) © PatBase

Title: METHODS AND DEVICES FOR SENSING RESPIRATION AND PROVIDING VENTILATION THERAPY

Priority: US20070924514P 20070518 US20070924541P 20070518 US20080153423 20080519 WO2008US64164 20080519 US20140221210 20140320

Family:

Publication number	Publication date	Application number	Application date
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WO08144589 A1	20081127	WO2008US64015	20080516
WO08144669 A1	20081127	WO2008US64164	20080519

Probable Assignee: BREATHE TECHNOLOGIES INC

Assignee(s):(std)**:** BREATHE TECH INC ; BREATHE TECHNOLOGIES INC ; BRYAN ROBERT ; FREITAG LUTZ ; KAPUST GREGORY ; KHENANSHO MICHAEL ; WONDKA ANTHONY

Assignee(s): TRIPLEPOINT CAPITAL LLC ; SOLAR CAPITAL LTD

Inventor(s):(std)**:** BRYAN ROBERT ; FREITAG LUTZ ; KAPUST GREGORY ; KHENANSHO MICHAEL ; WONDKA ANTHONY ; ROBERT BRYAN ; MICHAEL KHENANSHO ; GREGORY KAPUST ; ANTHONY WONDKA

Agent(s): NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MACDOUGALL ALAN JOHN SHAW; PATTON BOGGS LLP; FRANK MICHELE VAN PATTEN 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 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): A61B5/00 A61B5/08 A61B5/085 A61B5/087 A61B5/097 A61M16/00 A61M16/04 A61M16/10 A62B7/00 F16K31/02 (Advanced/Invention); A61M16/00 (Advanced/Non–invention); A61B5/08 A61M16/00 A61M16/04 A62B7/00 F16K31/02 (Core/Invention)

International class (IPC 1–7): A61B5/08

CPC: A61M2016/0021 A61M2016/0036 A61M2016/102 A61M2205/3306 A61M2205/332 A61M2205/3375 A61M2230/43 A61M2230/65 A61B5/097 A61M16/0475 A61M16/0003 A61B5/0878 A61B5/0873 A61B5/082 A61B5/085 A61M16/0434 A61B5/6853 A61B5/6858 A61M16/0427 A61M16/0465 A61M2016/0027 A61M2016/003

European class: A61M16/04E K61M16/00A10 K61M16/00A14B2 K61M16/00A8B2 K61M16/04A16 K61M16/10A10 K61M205/33D K61M205/33F K61M205/33U K61M230/43 K61M230/65

US class: 128/204.21 128/204.210S 600/529 600/529S 600/538 600/538P 600/543

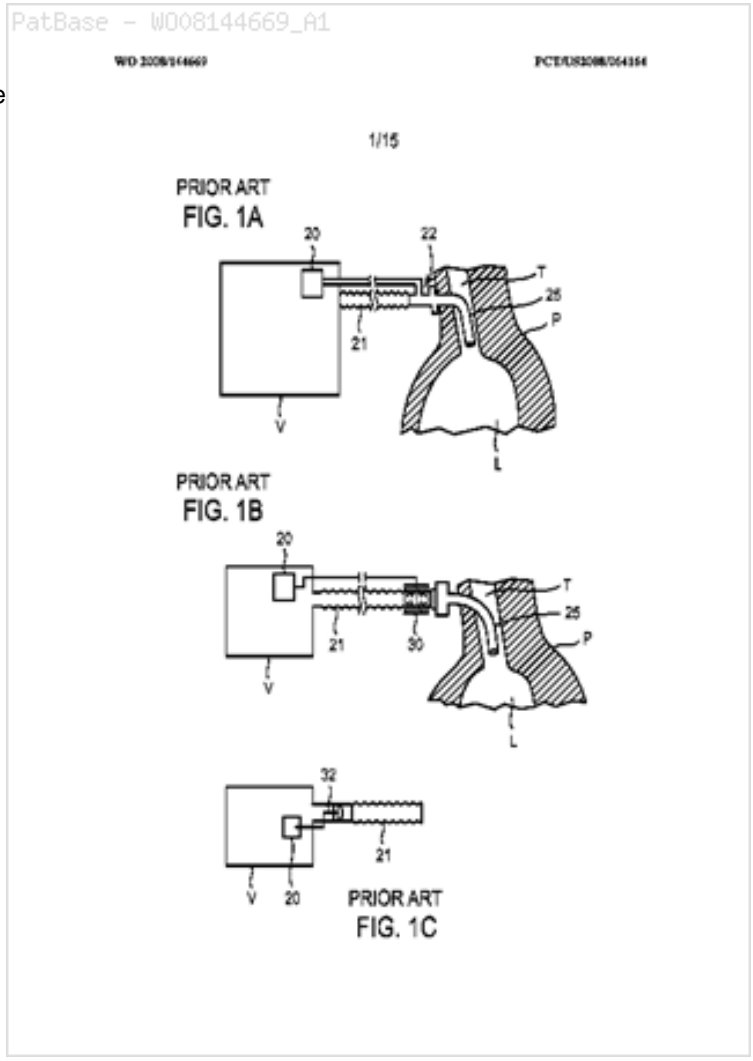
Classification Explorer

Cited documents: WO9745153 A1, WO08019102 A2, WO07035804 A2, US909002 A, US853439 A, US718785 A, US697181 A, US6575166 BB, US5954050 A, US5421325 A, US5419314 A, US5388575 A, US5368017 A, US5367292 A, US5303700 A, US5303698 A, US5291882

A, US5287852 A, US5279288 A, US5275159 A, US5199424 A, US5193533 A, US5193532 A, US5186167 A, US5184610 A, US5181509 A, US5107831 A, US5107830 A, US5105807 A, US5103815 A, US5101820 A, US5099837 A, US5099836 A, US5097827 A, US5090408 A, US5005570 A, US5002050 A, US5000175 A, US4990157 A, US4989599 A, US4986269 A, US4982735 A, US4919132 A, US4919128 A, US4915105 A, US4915103 A, US4905688 A, US4899740 A, US4823788 A, US4818320 A, US4817897 A, US4813431 A, US4808160 A, US4807617 A, US4807616 A, US4803981 A, US4747403 A, US4744356 A, US4660555 A, US4658832 A, US4648398 A, US4648395 A, US4644947 A, US4590951 A, US4584996 A, US4571741 A, US4570631 A, US4567888 A, US4519387 A, US4506667 A, US4506666 A, US4495946 A, US4449523 A, US4377162 A, US4367735 A, US4323064 A, US428592 A, US4266540 A, US4265237 A, US4263908 A, US4261355 A, US4256101 A, US4146885 A, US4067328 A, US4003377 A, US3951143 A, US3949749 A, US3881480 A, US3802431 A, US3794072 A, US3794026 A, US3733008 A, US3727606 A, US3726275 A, US3721233 A, US3657740 A, US3643660 A, US3513844 A, US3493703 A, US3437274 A, US3319627 A, US3172407 A, US2931358 A, US2792000 A, US2735432 A, US2552595 A, US2006264772 AA, US2005034721 AA, US2005005936 AA, US1331297 A, US1129619 A, US1125542 A, JP2009508645 T2, JP2007501666 T2, JP2000507144 T2, JP11513296 T2,

Forward Citations: WO16106460, WO14078631, WO11146465, WO11146465, US9554970, US9433739, US9358358, US9302090, US9227034, US9220857, US9211385, US9180270, US9132250, US9022946, US8985099, US8955518, US8939152, US8926501, US8925545, US8776793, US8770193, US8677999, US8573219, US8567399, US8469026, US8418694, US8381729, US8136527, US7631642, US2014135595, US2013269690, US2011114097, US2008308104, EP2863976, EP2322240, DE102009054573,

Abstract:
Source: US2009156953A Methods and systems are provided for intra−airway breath sensors where intra−airway breath sensors are not located within a ventilation gas delivery circuit, but are exposed to spontaneous respiration airflow from a patient. Furthermore, methods and systems of the present invention may be used to protect an intra−airway breath sensor from contacting tissue or accumulating debris that may impair abilities of the intra−airway breath sensors.



0) US2011164926A – METHOD AND APPARATUS FOR SUBSEA INSTALLATIONS

37) Family number: 42768481 (US2011164926A) © PatBase

Title: METHOD AND APPARATUS FOR SUBSEA INSTALLATIONS

Priority: EP20090748456 20091015 GB20080019489 20081024 WO2009GB51383 20091015 US20110061691 20110301 US20150629137 20150223

Family:

Publication number	Publication date	Application number	Application date
AU2009306155 AA	20100429	AU20090306155	20091015
AU2009306155 BB	20150611	AU20090306155	20091015
CA2770346 AA	20120207	CA20092770346	20091015
CA2770346 C	20170131	CA20092770346	20091015
DE602009023296 D1	20140528	DE200960023296T	20091015
DK201100237 A5	20110331	DK20110000237	20110331
EA020375 B1	20141030	EA20110000677	20091015
EA201100677 A1	20120228	EA20110000677	20091015
EP2350424 A2	20110803	EP20090748456	20091015
EP2350424 B1	20140416	EP20090748456	20091015
GB200819489 A0	20081203	GB20080019489	20081024
GB2464714 A1	20100428	GB20080019489	20081024
GB2464714 B2	20100908	GB20080019489	20081024
MX2011002875 A1	20110525	MX20110002875	20091015
US2011164926 AA	20110707	US20090061691	20091015
US2015167268 AA	20150618	US20150629137	20150223
US8992127 BB	20150331	US20090061691	20091015
WO10046686 A2	20100429	WO2009GB51383	20091015
WO10046686 A3	20100624	WO2009GB51383	20091015

Probable Assignee: SUBSEA DEPLOYMENT SYSTEMS LTD

Assignee(s):(std)**:** JOENSEN ARNBJORN ; PAUL SAMUEL DAVID IRVINE ; SUBSEA DEPLOYMENT SYSTEMS LTD

Assignee(s): SUBSEA DEPLOYMENT SYSTEMS LTD ABERDEEN ; SUBSEA DEPLOYMENT SYSTEMS LIMITED

Inventor(s):(std)**:** ARNBJOERN JOENSEN ; IRVINE PAUL SAMUEL DAVID ; JOENSEN ARNBJORN ; PAUL SAMUEL DAVID IRVINE

Inventor(s): SAMUEL DAVID IRVINE PAUL ; JOENSEN ARNBJOERN ; ARNBJORN JOENSEN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; ADAMS PATENT AND TRADEMARK AGENCY; RIDOUT AND MAYBEE LLP; LINCOLN MATTHEW; WORKMAN NYDEGGER; LINCOLN IP

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): B63B21/50 B63B27/00 B63B35/00 B63B35/40 B63C11/00 E02B17/00 E02B17/02 E02D23/02 E21B19/00 E21B41/00 E21B41/04 E21B43/01 (Advanced/Invention); B63B21/00 B63B35/00 E02B17/00 E21B19/00 E21B41/00 E21B43/00 (Core/Invention)

CPC: B63B35/00 E02B17/00 E21B43/01 B63B27/00 B63C11/00 E21B41/0007 E21B41/04 E02B17/02 B63B35/40 E02B2017/0039 B63B2035/448 E21B19/002

European class: B63B27/00 B63C11/00 E21B19/00A E21B41/00A E21B41/04

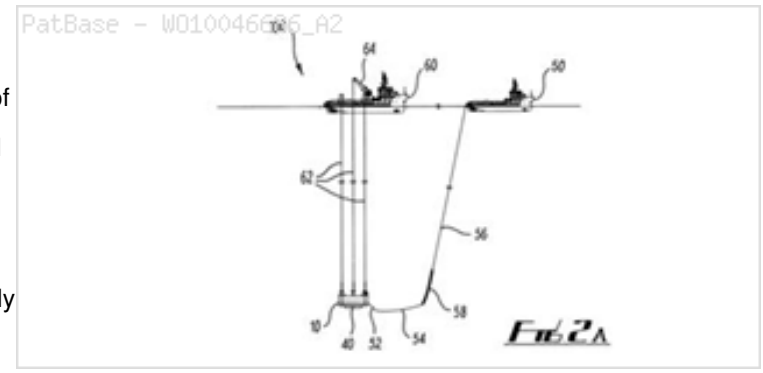
US class: 405/205 405/205P 405/209

Classification Explorer

Cited documents: WO10032027 A2, WO09070034 A2, WO09063159 A1, WO06125791 A1, WO06000919 A1, US7416025 BB, US7311469 BB, US6837311 BA, US6106198 A, US5354151 A, US5240446 A, US5215410 A, US5190107 A, US5069580 A, US4828430 A, US4127006 A, US4126298 A, US4063430 A, US4048945 A, US3656310 A, US2007048093 AA, US2005169714 AA, US2005152748 AA, US2003221602 AA, US2002141829 AA, GB2291090 A1, GB1576957 A, GB1334761 A, BRPI05021138, BRPI0502113,

Forward Citations: WO16071471, WO14108631, WO14093292, WO13150079, WO13070071, US9404347, US9254894, US8784011, US2012063850, NL2007756, GB2532753, GB2532028, GB2522339, GB2489162, CN105051570,

Abstract:
Source: US2011164926A There is provided a method and apparatus for lowering and/or raising a load or structure to or from the bed of a body of water. The apparatus comprises a buoyancy apparatus configured to be coupled to a load, and having positive buoyancy sufficient to lift the load. At least one receptacle is provided on the apparatus for receiving a control weight lowered from a vessel to lower or raise the assembly. The lowering method includes forming an assembly from a buoyancy apparatus and a load and submerging the assembly to a position at a first height above the bed. In a preferred embodiment the assembly is submerged by a clump weight tow system. A control weight is deployed from a vessel to the assembly to overcome the positive buoyancy of the assembly and thereby lower the load from the first height to the bed. The raising method reverses the steps of the lowering method.



0) US5495986A – METHOD FOR PROVIDING A FUEL MIXTURE

38) Family number: 12618499 (US5495986A) © PatBase

Title: METHOD FOR PROVIDING A FUEL MIXTURE

Priority:
US19930060753 19930512 US19940368386 19941230 US19970897296 19970721
US19970802848 19970219 US19950477229 19950607 US19950480844 19950607
US19980139074 19980824 US19990337948 19990622 WO1998US14932 19980720
US19980023051 19980213 US19990363104 19990729 US19990363671 19990729

Family:

Publication number	Publication date	Application number	Application date
AU199884980 A1	19990210	AU19980084980	19980720
US5495986 A	19960305	US19940368386	19941230
US5586729 A	19961224	US19950480844	19950607
US5971305 A	19991026	US19970897296	19970721
US5971307 A	19991026	US19980023051	19980213
US6045070 A	20000404	US19980139074	19980824
US6094795 A	20000801	US19990337948	19990622
US6102310 A	20000815	US19990363671	19990729
US6135373 A	20001024	US19990363104	19990729
US6227467 BA	20010508	US19970802848	19970219
WO9903586 A1	19990128	WO1998US14932	19980720

Probable Assignee: RICKY AND MARCELLE DAVENPORT REVOCABLE TRUST

Assignee(s):(std)**:** DAVENPORT RICKY W

Assignee(s): RICKY AND MARCELLE DAVENPORT REVOCABLE TRUST ; RICKY W DAVENPORT ; DAVENPORT MARCELLE MCMAHAN

Inventor(s):(std)**:** DAVENPORT RICKY W

Inventor(s): RICKY W DAVENPORT

Designated states: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

International class (IPC 8–9)**:** B02C18/14 B02C18/22 B02C19/00 B02C7/04 B02C7/06 B02C7/12 B02C7/14 B02C7/16 C10L1/32 D21B1/02 D21B1/34 E21B21/06 E21B41/00 F23G5/033 F23K1/02 (Advanced/Invention); B02C18/06 B02C19/00 B02C7/00 D21B1/00 E21B21/00 E21B41/00 F23G5/02 (Core/Invention)

International class (IPC 1–7)**:** B02C13/00 B02C13/26 B02C13/28 B02C18/00 B02C18/06 B02C19/12 B02C23/02 B02C23/08 B02C23/36 B02C7/00 B02C7/02 B02C7/04 B02C7/14 B02C7/16 B23Q17/00 G01M19/00

CPC: B02C7/16 Y10S241/38 Y10T29/49716 Y10T29/4978 B02C18/0084 B02C2018/188 B02C2201/04 B29B17/02 B29B17/04 B29B2017/0094 B29B2017/0234 B29B2017/0272 B29L2030/00 B02C19/0056 B02C18/14 B02C18/142 B02C18/145 B02C18/146 B02C18/2233 B02C2018/147 D21B1/026 D21B1/345 F23G2201/80 Y02W30/524 Y02W30/526 Y02W30/622 Y02W30/625 Y02W30/68 Y02E20/363 F23K1/02 B02C7/04 B02C7/06 B02C7/12 B02C7/14 C10L1/322 E21B21/066 E21B41/0057 F23G5/033 F23G2201/603 F23G2201/70 F23G2206/201 F23G2209/281

European class: B02C18/00W B02C18/14 B02C18/14B B02C18/14F B02C18/14H B02C18/22F2 B02C18/40 B02C19/00W B02C19/12 B02C7/04 B02C7/06 B02C7/12 B02C7/14 B02C7/16 C10L1/32A D21B1/02E D21B1/34C E21B21/06N2A E21B21/06N2C E21B41/00M2 F23G5/033 F23K1/02 L02C18/14M L02C18/18F L02C201/04 R23G201/603 R23G201/70 R23G201/80 R23G206/201 R23G209/281

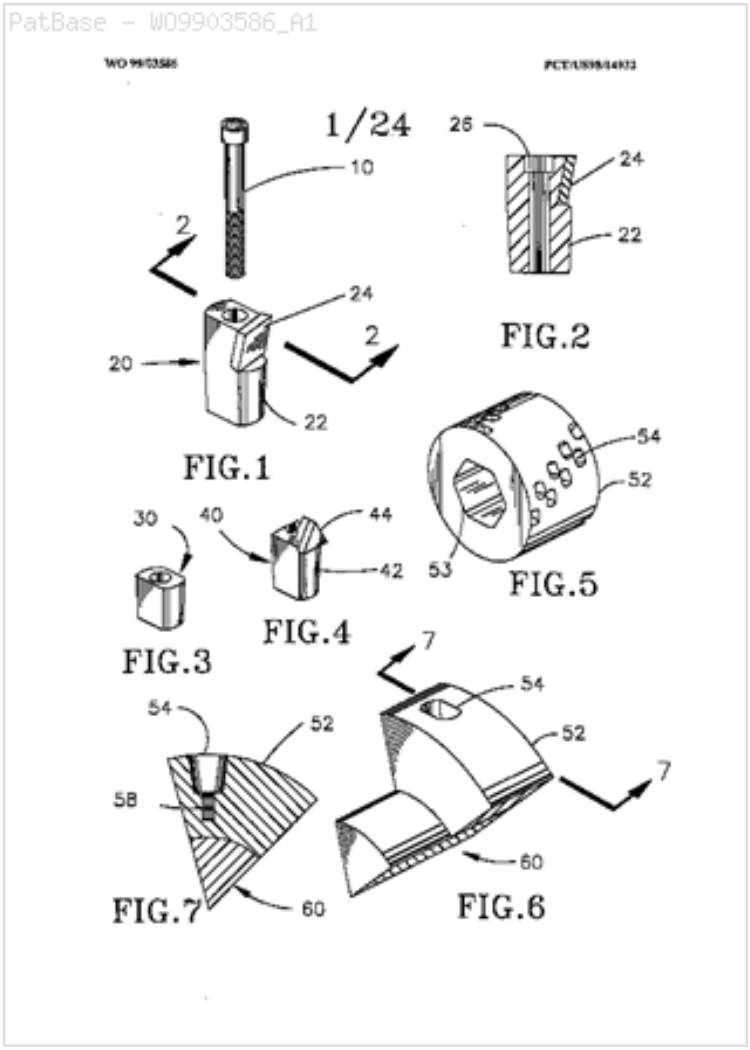
US class: 175/206 175/207 175/66 241/101.2 241/101.8 241/15 241/152.2 241/16 241/197 241/21 241/24 241/24.14 241/243 241/248 241/259.1 241/261.2 241/261.3 241/27 241/294 241/295 241/298 241/30 241/300 241/34 241/46.02 241/46.08 241/60 241/62 241/65 241/79.1 241/81 241/82 241/DIG.38 29/401.1 29/407.1

Classification Explorer

Cited documents: US992000 A, US5819825 A, US5785263 A, US5775608 A, US5586729 A, US5564634 A, US5509613 A, US5507441 A, US5495986 A, US5451376 A, US5402950 A, US5402948 A, US5383617 A, US5361998 A, US5318231 A, US5269234 A, US5257586 A, US5248100 A, US5248099 A, US5244159 A, US5233932 A, US5205495 A, US5145120 A, US5139204 A, US5129469 A, US5116574 A, US5104047 A, US5094392 A, US5062576 A, US5042726 A, US4964914 A, US4946109 A, US4925116 A, US4883363 A, US4767065 A, US4735368 A, US4725336 A, US4691867 A, US4690337 A, US4482095 A, US4449670 A, US4355586 A, US4284514 A, US4276155 A, US4135671 A, US4119277 A, US4083503 A, US3945576 A, US3931935 A, US3910511 A, US3815835 A, US3777993 A, US3713594 A, US3701488 A, US3523649 A, US3062457 A, US2988290 A, US2639901 A, US2286545 A, US1666640 A, DE326110 A,

Forward Citations: WO9841325, WO16115098, WO16096114, WO15165556, WO15114156, WO14153288, WO12154700, WO10066863, WO09071294, WO09071294, WO08126086, WO08126086, WO08122901, WO08122901, WO07104386, WO07028996, WO07016389, WO06115651, WO05124096, WO04083596, WO04029512, US9592513, US9511372, US9453643, US9452395, US9404073, US9398747, US9394787, US9382794, US9371834, US9352325, US9272285, US9231459, US9168535, US9161554, US9079222, US9073104, US9016377, US9016284, US8955781, US8955780, US8893992, US8870109, US8815978, US8800901, US8746459, US8740114, US8695805, US8632026, US8622220, US8561805, US8556083, US8533974, US8517297, US8516936, US8469116, US8464971, US8424784, US8329621, US8322911, US8322424, US8316557, US8316476, US8312995, US8268073, US8231010, US8201693, US8186871, US8176802, US8172985, US8172740, US8163045, US8133164, US8133048, US8128013, US8118172, US8113356, US8109456, US8100989, US8057684, US8051887, US8017021, US7980392, US7909277, US7900859, US7851210, US7814977, US7762340, US7757983, US7753303, US7721596, US7721595, US7721594, US7694902, US7669621, US7628890, US7578463, US7540838, US7540837, US7493969, US7484574, US7467755, US7448568, US7448567, US7441717, US7434756, US7407022, US7380736, US7325629, US7258922, US7226778, US7204442, US7195084, US7175119, US7172148, US7028935, US6981561, US6892655, US6871604, US6854319, US6840471, US6837453, US6807916, US6616078, US6565026, US6394372, US6227467, US6154948, US6119779, US6045070, US6041793, US5971307, US5755389, US2015001325, US2014374233, US2014367501, US2014326813, US2013277464, US2013099032, US2013099031, US2013055684, US2013039745, US2013029009, US2012312907, US2012199678, US2012119004, US2012063969, US2012032010, US2012024602, US2012024123, US2011266378, US2011166503, US2011155029, US2011155020, US2011144233, US2011100511, US2011100383, US2011099894, US2011011544, US2010311155, US2010243769, US2010133368, US2010127105, US2010089802, US2010089652, US2010072295, US2010038211, US2010038143, US2009288584, US2009255048, US2009242466, US2009238920, US2009235734, US2009178978, US2009145836, US2009121058, US2009120846, US2009114752, US2009105059, US2009099306, US2009095688, US2009095483, US2009095481, US2009008491, US2008135660, US2008128173, US2008105773, US2008078586, US2008041994, US2008035242, US2008027157, US2008026955, US2007245907, US2007215386, US2007212776, US2007197851, US2007186625, US2007164139, US2007087927, US2007084639, US2007051539, US2007022802, US2006249608, US2006243830, US2006231649, US2006192038, US2006180688, US2006124361, US2006118666, US2006105896, US2006102390, US2006043226, US2005241998, US2005230073, US2005194482, US2005183574, US2005166811, US2005156459, US2005136177, US2005116074, US2005039615, US2005035234, US2005001080, US2004265993, US2004187381, US2004173699, US2004139866, US2004118958, US2004112642, US2004060488, US2004057816, US2004055518, US2004055517, US2003213168, US2003173434, US2003140313, US2003075628, US2003061926, US2002193652, US2002190148, US2002148572, KR101288929, JP5425598, JP2010125452, ITUD20080259, GB2428720, GB2428720, GB2350840, FR2817773, FR2785202, EP3017927, EP2977105, EP2617494, EP2292891, EP2126274, EP2126274, EP2025410, EP1611311, EP1304169, EP1248041, EP0993870, EP0956902, EP0956901, EA017330, EA013456, EA013299, DE102010050863, DE102010050863,

Abstract:
Source: US5495986A The present invention provides a method of processing waste material and a blend stock which provides a suitable fuel and includes the steps of grinding the waste material in a tank containing the blend stock with the grinding being in at least part provided by the coaction between a rotating impeller and a stationary plate so that the degree to which the waste material is ground is controlled by controlling the spacing between the plate and the impeller.



0) US2009205643A – ACCELERATED TWO–PHASE SURGICAL PROCEDURE FOR CR...

39) Family number: 43633282 (US2009205643A) © PatBase

Title: ACCELERATED TWO–PHASE SURGICAL PROCEDURE FOR CREATING A PNEUMOSTOMA TO TREAT CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Priority:

US20080029830P 20080219 US20080032877P 20080229 US20080062877P 20080229
US20080038371P 20080320 US20080082892P 20080723 US20080083573P 20080725
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US20130851545 20130327 US20100684699 20100108

Family:

Publication number	Publication date	Application number	Application date
AU2009215579 AA	20090827	AU20090215579	20090218
AU2009215579 AB	20100930	AU20090215579	20090218
CA2752159 AA	20090827	CA20092752159	20090218
CN102006904 A	20110406	CN200980113773	20090218
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EP2242527 A4	20110713	EP20090711701	20090217
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EP2242529 A4	20110720	EP20090712329	20090218
EP2242530 A2	20101027	EP20090712130	20090218
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Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; GOWLING LAFLEUR HENDERSON LLP; GOVER RICHARD PAUL; FLIESLER MEYER LLP; MEYER SHELDON R 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): A61B17/00 A61B17/04 A61B17/068 A61B17/20 A61B17/32 A61B17/3209 A61B19/00 A61B5/08 A61B5/097 A61B6/00 A61B7/00 A61B8/12 A61F11/00 A61F2/958 A61L29/16 A61M1/00 A61M15/00 A61M16/00 A61M16/04 A61M25/00 A61M25/01 A61M25/02 A61M25/10 A61M27/00 A61M31/00 A61M36/04 A61M37/00 A61M39/08 A61M39/22 A61M5/00 A61M5/178 A61M5/32 A62B18/00 A62B7/00 A62B9/00 (Advanced/Invention); A61B17/32 A61M16/00 (Core/Invention)

International class (IPC 1–7): A61M31/00

CPC: A61B2017/3427 A61B2017/3486 A61B2017/3488 A61M27/00 A61K9/007 A61M11/00 A61M13/00 A61M15/0085 A61M15/009 A61M15/02 A61M16/0816 A61M39/02 A61M2202/0208 A61M2202/025 A61M2202/064 A61M2205/7518 A61M2205/7536 A61B5/7275 A61B2010/0087 A61F7/007 A61F7/10 A61F2002/043 A61F2007/0054 A61M25/01 A61M2025/0233 A61M2025/0246 A61M2025/028 A61M2210/1039 A61N1/403 A61N5/10 A61N7/00 A61N2005/0651 A61N2005/0654 A61N2005/0659 A61N2005/0661 A61N2005/0662 A61M16/202 A61M16/0406 A61M2205/075 A61M11/005 A61M11/042 A61M1/04 A61B1/2676 A61B1/3132 A61B5/055 A61B5/0813 A61B5/0833 A61B5/0836 A61B5/087 A61B8/12 A61B8/4472 A61B18/08 A61B18/20 A61B90/70 A61B2017/00809 A61B2018/0212 A61M25/02 A61M25/04 A61M25/10 A61M39/0247 A61M2025/0008 A61M2039/0252 A61M2039/0276 A61N7/02

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Classification Explorer

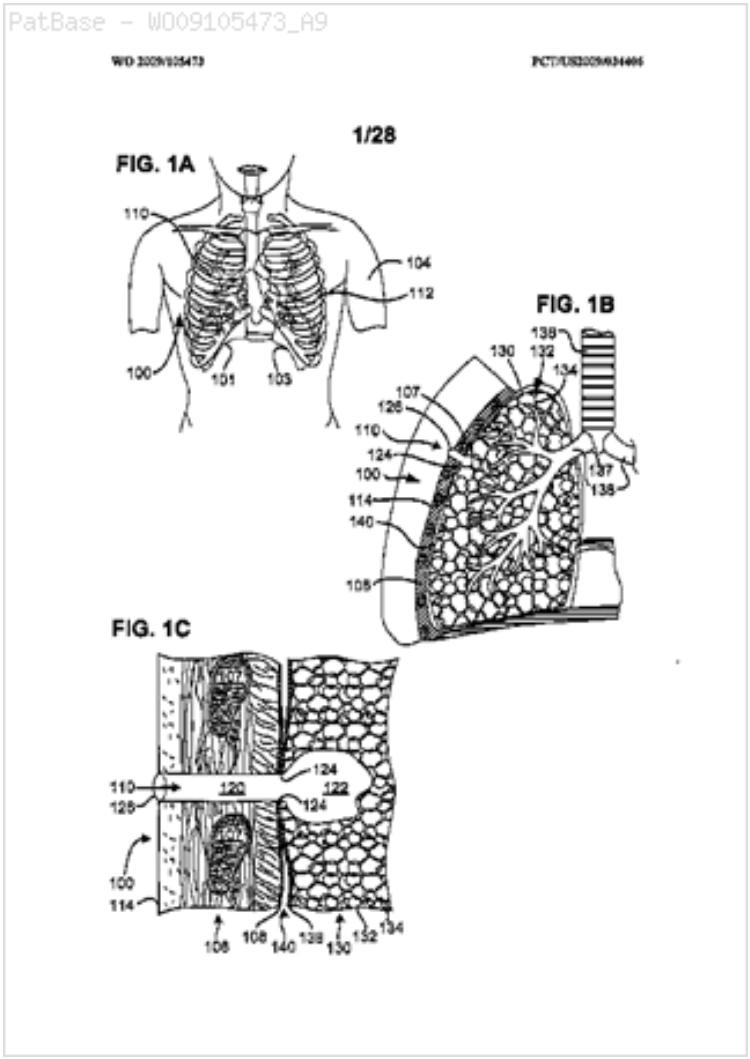
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Forward Citations: WO15191216, WO15168387, WO15059646, WO14031860, WO14011893, WO13111057, WO13046071, WO12029064, WO11060197, USD780547, USD775345, USD744095, USD736905, USD731065, USD731049, USD731048, USD701601, USD693001, USD692556, USD661389, USD660419, USD653336, USD649632, US9592066, US9579097, US9566443, US9561134, US9550039, US9526871, US9498589, US9480821, US9468740, US9445818, US9402968, US9398910, US9364624, US9339617, US9333305, US9314599, US9314162, US9271640, US9265885, US9259157, US9233015, US9227031, US9205221, US9186176, US9179891, US9161778, US9144658, US9144635, US9138148, US9078990, US9044267, US9032959, US9010319, US8992493, US8945067, US8920381, US8905024, US8882678, US8807978, US8800557, US8795236, US8777900, US8770199, US8638995, US8579866, US8518053, US8506577, US8496633, US8496632, US8491602, US8491545, US8486045, US8475389, US8474449, US8469031, US8469030, US8464708, US8453638, US8453637, US8439881, US8439037, US8439036, US8434479, US8430094, US8365722, US8348906, US8347881, US8347880, US8336540, US8323230, US8252003, US8231581, US8021320, US7980001, US7927324, US7909803, US2016091399, US2016067478, US2015297873, US2015272718, US2015045746, US2014243588, US2014242893, US2014221907, US2014194822, US2014046299, US2013218134, US2013204279, US2013178808, US2013053782, US2013053779, US2013053778, US2013053777, US2012277584, US2012265061, US2012174675, US2012167879, US2012150112, US2012095504, US2012046546, US2012004623, US2011301483, US2011295260, US2011272382, US2011178451, US2011118669, US2011112408, US2011071415, US2010101582, US2010016795, US2009209970, US2008077038, EP2889012, EP2814390, EP2242530, CN103566453, CN103263703, CN102580172,

Abstract:
Source: US2009205643A An accelerated two−phase surgical procedure is disclosed for creating a pneumostoma to treat chronic obstructive pulmonary disease. The first phase includes creation of a localized pleurodesis. The localized pleurodesis is created using chemical agents and/or mechanical fasteners to secure the visceral membrane to the pleural membrane. The second phase includes introduction of a surgical instrument into the lung via the pleurodesis to create the pneumostoma. The first and second phases are performed as parts of a single surgical procedure. The formation of a stable pleurodesis is to prevent pneumothorax during the procedure.



0) US5121644A – DEPLOYING CABLES IN PIPELINES

40) Family number: 2588246 (US5121644A) © PatBase

Title: DEPLOYING CABLES IN PIPELINES

Priority: GB19900003343 19900214

Family:

Publication number	Publication date	Application number	Application date
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NO910581 A	19910815	NO19910000581	19910213
NO910581 A0	19910213	NO19910000581	19910213
US5121644 A	19920616	US19910654751	19910213

Probable Assignee: NORTEL NETWORKS LTD

Assignee(s):(std)**:** NORTHERN TELECOM LTD ; STC LTD ; STC SUBMARINE SYSTEMS LTD ; STC PLC ; NORTHERN TELECOM EUROP LTD

Assignee(s): NORTHERN TELECOM EUROPE LIMITED ; NORTHERN TELECOM LIMITED ; NORTEL NETWORKS CORP ; NORTEL NETWORKS LTD ; STC LIMITED ; STC SUBMARINE SYSTEMS LIMITED ; STC PLC A BRITISH CO ; NORTHERN TELECOM LTD MONTREAL QUEBEC CA

Inventor(s):(std)**:** GREY ALAN CHARLES DR ; GREY ALAN CHARLES ; STOKES JOHN LESLIE ; STOKES JOHN L ; GREY ALAN C

Inventor(s): JOHN LESLIE STOKES ; ALAN CHARLES GREY ; STOKES JOHN LESLIE LLANDDEWI SKIRRID ABERGAVENNY G ; STOKES JOHN LESLIE LLANDDEWI SKIRRID...

Designated states: BE DE FR NL

International class (IPC 8–9): G02B6/44 H02G1/08 (Advanced/Invention)

International class (IPC 1–7): B65H59/00 G01L5/04 G02B6/44 H02G1/06 H02G1/08

CPC: G01L5/101 G02B6/4464 H02G1/08 H02G1/086

European class: G01L5/10B G02B6/44C8E2 H02G1/08 H02G1/08E

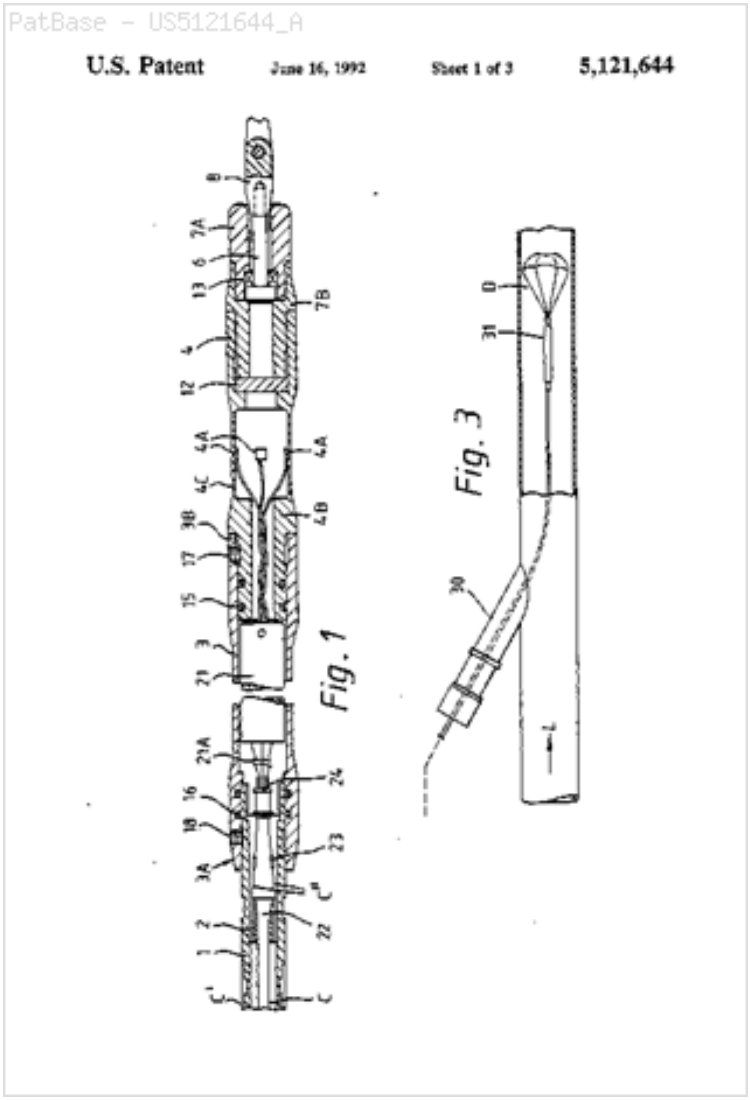
US class: 254/134.4 73/865.9

Classification Explorer

Cited documents: US4953828 A, US4939939 A, US4856937 A, US4822005 A, US4495808 A, US4458880 A, US1208065 A, GB2205916 A1, GB2171218 A1, FR2614698 A1, FR2577724 A1, EP0422827 A2, EP0253636 A1, EP0251129 A2, DE3220286 A1,

Forward Citations: WO9940661, WO9912066, WO9217927, WO15100491, WO09138646, WO09138646, WO07104910, WO05009780, WO05009780, WO0192921, WO0192921, WO0118442, US9291521, US8775102, US8744790, US8727319, US8720030, US8702064, US8587327, US8528385, US8517344, US8307725, US8275227, US7621505, US7360752, US7331215, US6976498, US6945515, US6932323, US6889703, US6811356, US6736156, US6691734, US6691728, US6681795, US6536463, US6364991, US6296231, US6264171, US6059264, US6019351, US6012621, US5967495, US5922995, US5906357, US5813658, US5762321, US5730424, US5474277, US5374034, US5234198, US2011238374, US2011178713, US2011084244, US2010155681, US2010099947, US2009245738, US2009010606, US2008203368, US2006284149, US2006284148, US2005173686, US2005172737, US2005017227, US2004118454, US2004079929, JP2011518334, GC3545, GB2362445, GB2362445,

Abstract:
Source: US5121644A Cable deployment in a fluid filled pipeline under pressure is monitored by use of a strain gauge device coupled between the leading end of the cable and a drogue. The strain gauge measures the pull of the drogue on the leading end of the cable and the strain gauge signal is transmitted back to the other end of the cable via the cable conductors. Changes in fluid flow rate, features of the pipeline, and failure of the drogue to inflate can be detected quickly by monitoring the strain gauge signal, so that the cable feed rate can be changed accordingly in order to maintain satisfactory deployment.



0) GB717044A – IMPROVEMENTS IN OR RELATING TO ESCAPEMENT MECHA...

41) Family number: 19513812 (GB717044A)

© PatBase

Title: Improvements in or relating to escapement mechanisms

Priority: GB19510020517 19510830

Family:

Publication number	Publication date	Application number	Application date
GB717044 A	19541020	GB19510020517	19510830

Probable Assignee: NORTH THAMES GAS BOARD

Assignee(s):(std)**:** NORTH THAMES GAS BOARD

Inventor(s):(std)**:** WILLCOX FRANK ALBERT

International class (IPC 8–9)**:** G04C13/14 (Advanced/Invention); G04C13/00 (Core/Invention)

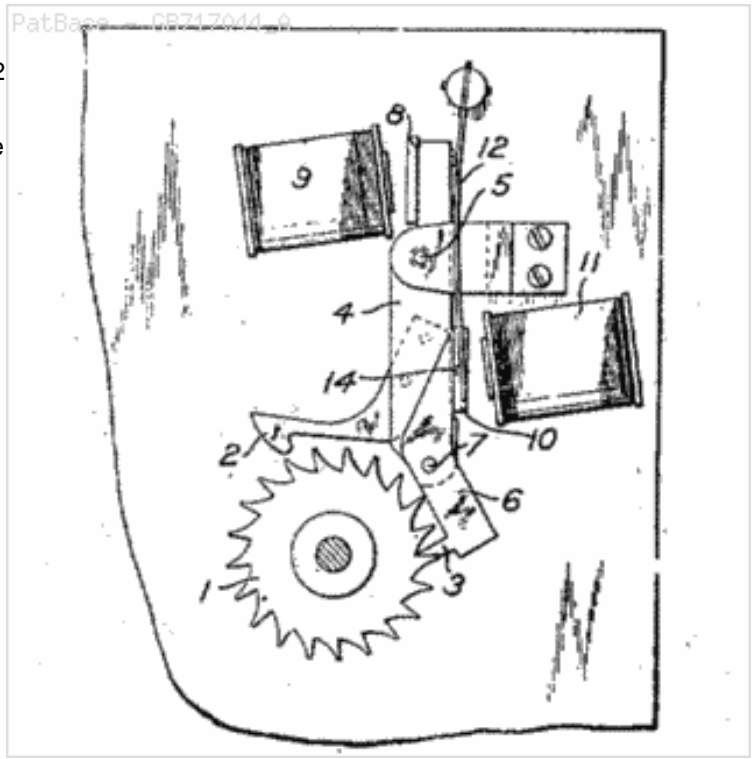
International class (IPC 1–7)**:** G04C13/14

CPC: G04C13/14

European class: G04C13/14

Classification Explorer

Abstract:
Source: GB717044A 717,044. Escapements. NORTH THAMES GAS BOARD. Oct. 22, 1952 [Aug. 30, 1951], No. 20517/51. Class 139 [Also in Group XXIV] In an anchor–type escapement mechanism particularly applicable to a flow meter for a gas heated calorimeter of the kind described in Specification 333,292, [Class 139], the anchor is formed in two articulated parts 4, 6, the part 4 pivoted at 5 and carrying the exit pallet 2 and the part 6 pivoted at 7 to part 4 and carrying the entry pallet 3 for co–operation with the escape wheel 1. The part 4 carries an armature 8 under control of an electromagnet 11 and a spring 12 acts upon a pin 14 on the armature 10 to maintain the parts in the position shown. In this position the pallet 3 engages the wheel to lock it from rotation. On energization of electromagnets 9 and 11 the pallet 2 moves into engagement but the entry pallet 3 merely rocks at first without disengaging from the wheel. As, however. the armatures 8, 10 approach their magnets the pallet 3 is disengaged by a strong magnetic pull but the wheel is prevented from rotation by the engagement therewith of the pallet 2. On de–energization of the magnet the wheel 1 is released by the pallet 2 and moves round a 'step until the pallet 3 engages the next tooth. In its initial movement the angle of the locking face of the pallet 3 changes so that the pressure exerted by the wheel tooth assists in the disengagement from the wheel.



0) US2002036167A – SYSTEM FOR RETRIEVING A GAS PHASE SAMPLE FROM A...

42) Family number: 28182221 (US2002036167A) © PatBase

Title: SYSTEM FOR RETRIEVING A GAS PHASE SAMPLE FROM A GAS STREAM CONTAINING ENTRAINED LIQUID, AND SAMPLE CONDITIONER ASSEMBLY THEREFORE

Priority:

US19960701406	19960822	US19980162239	19980928	US19980195394	19981118
US20000668898	20000922	US20010915192	20010725	US20000221335P	20000726
US20030631502	20030731	US20040940006	20040913	US20030743628	20031222
US20030631501	20030731	US20020400736P	20020802	US20040795673	20040308
US20030408026	20030403	US20020100736P	20020802	US20070686265	20070314
US20080325218	20081130	US20050151186	20050613	US20050646332P	20050124
US20080344418	20081226	US20050151018	20050613	US20050646314P	20050124
US20070836431	20070809	US20050146882	20050606	US20100968017	20101214
US20080344118	20081226				

Family:

Publication number	Publication date	Application number	Application date
US2002036167 AA	20020328	US20010915192	20010725
US2003233890 AA	20031225	US20030408026	20030403
US2004168526 AA	20040902	US20040795673	20040308
US2005061720 AA	20050324	US20040940006	20040913
US2005223829 AA	20051013	US20050151186	20050613
US2005247108 AA	20051110	US20050146882	20050606
US2005257631 AA	20051124	US20050151018	20050613
US5841036 A	19981124	US19960701406	19960822
US6122825 A	20000926	US19980195394	19981118
US6357304 BA	20020319	US19980162239	19980928
US6457717 BA	20021001	US20000668898	20000922
US6701794 BB	20040309	US20010915192	20010725
US6904816 BB	20050614	US20030408026	20030403
US7004041 BB	20060228	US20040795673	20040308
US7051604 BA	20060530	US20030743628	20031222
US7097693 BA	20060829	US20030631502	20030731
US7134318 BB	20061114	US20050146882	20050606
US7225690 BA	20070605	US20030631501	20030731
US7472615 BB	20090106	US20050151186	20050613
US7481125 BB	20090127	US20050151018	20050613
US7555964 BB	20090707	US20040940006	20040913
US7555965 BA	20090707	US20070686265	20070314
US7617745 BA	20091117	US20080325218	20081130
US7874221 BA	20110125	US20080344418	20081226
US7886624 BA	20110215	US20070836431	20070809
US8904886 BA	20141209	US20100968017	20101214

Probable Assignee: A AND MFG LLC

Assignee(s):(std)**:** MAYEAUX DONALD P ; MAYEAUX HOLDING LLC ; A AND MFG LLC

Assignee(s): MAYEAUX DONALD ; A AND MANU CTURING FA ; A AND MANUFACTURING LLC ; A AND MFG

Inventor(s):(std)**:** MAYEAUX DONALD P ; ST AMANT III VALMOND J

Inventor(s): ST AMANT ; MAYEAUX DONALD ; III VALMOND J

Agent(s): JOSEPH T REGARD LTD PLC; JOSEPH T REGARD LTD (PLC); JOSEPH T; REGARD LTD PLC JOSEPH T

International class (IPC 8–9): B01D27/14 B01D29/56 B01D36/02 B01D53/22 B01D55/00 B01D61/00 F16K25/02 G01M19/00 G01M99/00 G01N1/12 G01N1/14 G01N1/18 G01N1/20 G01N1/22 G01N1/24 G01N1/34 G01N1/44 G01N17/04 G01N35/08 (Advanced/Invention); G01N1/00 G01N1/10 G01N27/28 G01N35/00 (Advanced/Non–invention); B01D27/00 B01D29/50 B01D36/00 B01D53/00 B01D53/22 G01N1/20 (Core/Invention); G01N35/00 (Core/Non–invention)

International class (IPC 1–7): B01D35/28 B01D63/00 F16J15/10 G01M19/00 G01N1/10 G01N1/14 G01N1/18 G01N1/20 G01N1/22 G01N1/28 G01N1/44 G01N17/04

CPC: G01N17/046 G01N27/283 G01N35/1079 G01N33/22 G01N2001/2071 G01N2001/2238 G01N1/2042 G01N2001/105 G01N2001/2261 B01D29/56 B01D36/02 G01N1/4005 G01N35/08 Y10T29/49405 G01N1/2247 Y10T137/0396 Y10T137/598 G01N1/2205 G01N1/2035 G01N2035/00326

European class: B01D29/56 B01D36/02 G01N1/20B G01N1/22B1 G01N1/22F G01N1/40A G01N17/04A2 G01N35/08 S01N1/10D3 S01N1/20B2 S01N1/20B7 S01N1/22C3 S01N1/22F3H S01N27/28B S01N33/22 S01N35/00D9 S01N35/10P

US class: 137/14 137/14S 137/315.01 137/315.010S 210/103 210/103S 210/109 210/109S 210/137 210/137S 210/143 210/143S 210/188 210/321.65 210/321.650S 210/321.75 210/323.1 210/323.2 210/342 210/346 210/416.4 210/416.5 210/435 210/435S 210/541 210/541S 210/637 210/637P 210/643 210/643S 210/742 210/742S 210/97 210/97P 277/312 277/316 29/890.12 374/208 55/330 55/332 55/488 55/489 702/24 73/29.01 73/29.010P 73/29.010S 73/29.02 73/31.07 73/31.070S 73/86 73/863 73/863.02 73/863.11 73/863.12 73/863.120P 73/863.120S 73/863.21 73/863.23 73/863.230P 73/863.52 73/863.57 73/863.71 73/863.81 73/863.83 73/863.84 73/863.85 73/863.86 73/863.860S 73/864.51 73/864.62 73/864.620P 73/864.63 73/864.91 73/866.5 73/866.500P 73/86S 738/632.3 96/11 96/180 96/9

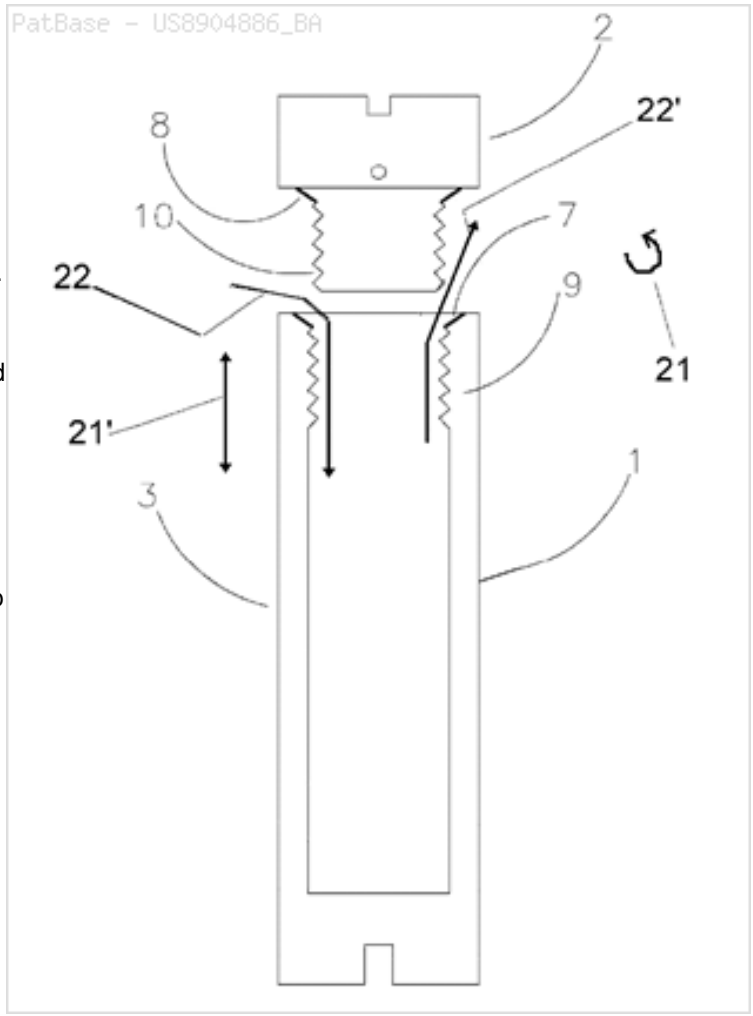
Classification Explorer

Cited documents: WO9637150 A1, WO9502176 A1, USRE39457 E, US8556826 BB, US7617745 BA, US7552648 BB, US7481125 BB, US7178415 BB, US7134318 BB, US6793819 BB, US6727626 BB, US6700241 BA, US6694266 BA, US6675664 BA, US6659177 BB, US6539312 BA, US6483209 BA, US6481299 BB, US6481299 BA, US6405580 BB, US6357304 BA, US6354345 BA, US6186506 BA, US6122825 A, US6097120 A, US6021661 A, US5899349 A, US5898113 A, US5844123 A, US5841036 A, US5815264 A, US5814741 A, US5800597 A, US5794695 A, US5713582 A, US5677478 A, US5637926 A, US5637792 A, US5619043 A, US5536474 A, US5535635 A, US5531130 A, US5442969 A, US5442965 A, US5437201 A, US5406855 A, US5369034 A, US5367912 A, US5303599 A, US5205988 A, US5191801 A, US5096093 A, US5076108 A, US5020000 A, US4974456 A, US4957008 A, US4928541 A, US4891117 A, US4882939 A, US4865811 A, US4865729 A, US4856352 A, US4849988 A, US4834946 A, US4821585 A, US4800763 A, US4702114 A, US4671298 A, US4630492 A, US4628750 A, US4617985 A, US4572521 A, US4487055 A, US4477345 A, US4459266 A, US4437986 A, US4402911 A, US4360433 A, US4346613 A, US4269064 A, US4175424 A, US4166481 A, US4157040 A, US4112768 A, US4070239 A, US4047103 A, US4014216 A, US4008621 A, US3872721 A, US3866474 A, US3848579 A, US3835710 A, US3831953 A, US3831153 A, US3691846 A, US3638499 A, US3635092 A, US3593533 A, US3273647 A, US3253469 A, US3238783 A, US3203247 A, US3186917 A, US3158865 A, US3085439 A, US2947147 A, US2726548 A, US2592464 A, US2008311585 AA, US2005257631 AA, US2005187532 AA, US2005178718 AA, US2005006962 AA, US2004168526 AA, US2003152493 AA, US2003103551 AA, US2003089526 AA, US2003051565 AA, US2003033858 AA, SU1520382 T, SU1250251 T, JP6288880 A2, JP57203934 A2, JP56067732 A2, JP4108589 A2, GB2188437 A1, GB2162310 A1, DE4023835 A1, DE3310032 A1,

Forward Citations: WO15112466, WO15084250, WO15052134, WO14152700, WO14143712, WO13112888, WO13090242, WO12089985, WO12012702, WO12012702, WO11097122, WO11097122, WO10022942, WO08082377, WO06059136, WO02064247, US9588024, US9562833, US9528917, US9410541, US9385448, US9359185, US9316607, US9285288, US9200986, US9194773, US9188517, US9182255, US9131922, US9097695, US9018608, US8991239, US8931330, US8919179, US8840087, US8800394, US8800393, US8789431, US8776622, US8685746, US8684028, US8667659, US8647574, US8631716, US8616228, US8569072, US8568575, US8563264, US8522630, US8475565, US8424396, US8408082, US8365617, US8359937, US8342003, US8322232, US8312780, US8272255, US8211210, US8210058, US8196480, US8191437, US8146448, US7948621, US7942060, US7886624, US7854158, US7849754, US7802485, US7752928, US7726331, US7654162, US7631569, US7631566, US7568375, US7555965, US7555964, US7328629, US7320245, US7146999, US7060894, US6904816, US6818045, US6764536, US6761757, US6733576, US6457717, US2015198157, US2015097590, US2015082895, US2015075302, US2014311213, US2014109700, US2013333621, US2013112316, US2013047752, US2012247188, US2012237402, US2012222772, US2012181490,

US2012180290, US2012103076, US2012011923, US2011219855, US2011203931, US2011198079, US2011192237, US2011185892, US2011130882, US2011113899, US2011094296, US2011048942, US2010301060, US2010285520, US2010255484, US2010248216, US2010248215, US2010206093, US2010071484, US2009193880, US2009171144, US2009165575, US2009088656, US2009084199, US2009084198, US2009002704, US2009000404, US2008307903, US2008307901, US2008223153, US2008221453, US2008156073, US2008115602, US2007051194, US2007026275, US2006201563, US2006162432, US2006046635, US2005236040, US2005061720, US2004099143, US2004083891, US2004079236, US2004074084, US2003233890, US2002196836, NL2011993, KR101277491, GB2532554, GB2474990, GB2433116, FR2970077, EP2841686, EP2027252, EP1837643, CN104713766, CN104406824, CN104321647, CN104236959, CN103852351, CN103852351, CN103512775, CN103149057, CN103149057, CN102612643, CN102612643, CN102435472, CN102288456, CN102052075, AU2013211993,

Abstract:
Source: US2002036167A A system for the retrieval and initial conditioning of sample gas for "on line" analyzers or filling of gas sample cylinders. The preferred embodiment of the present invention contemplates a system configured to obtain a representative gas phase sample from a process gas containing entrained liquid, or a process gas which generally is highly susceptible to partial condensation of some gas phase components. The preferred embodiment of the present invention teaches an assembly including a phase separation membrane and housing configured to facilitate the removal of entrained liquid from a sample gas stream. Accuracy of the sample is enhanced, and compositional changes are avoided by first extracting a sample from the process gas followed by removal of entrained liquid it may contain, with the entrained liquid removal being conducted at the prevailing process gas pressure and temperature. Thereafter the liquid free sample may be desaturated by lowering its pressure to reduce its susceptibility to condensation.



0) US3480019A – ROLLER,CLIP AND COMPOSITION OF MATTER

43) Family number: 957933 (US3480019A) © PatBase

Title: ROLLER,CLIP AND COMPOSITION OF MATTER

Priority: FR19670090389 19670109 US19660551320 19660519 US19660591939 19660906 US19670616548 19670216 US19680695043 19680102 US19670693432 19671226 US19690846182 19690730

Family:

Publication number	Publication date	Application number	Application date
BR6804874 A0	19730125	BR19680204874	19681216
BR6804875 A0	19730125	BR19680204875	19681216
CH459480 A	19680715	CH19670000367	19670111
CH477840 A	19690915	CH19680002242	19680215
DE1557333 A1	19720127	DE19661557333	19661231
DE1632472 A1	19711118	DE19681632472	19680319
DE1632472 C3	19730208	DE1968P044284	19680319
DE1757175 A1	19720727	DE19681757175	19680408
FR1532291 A	19680712	FR19670090389	19670109
FR1563063 A	19690411		19680216
GB1194711 A	19700610	GB19670000092	19670102
GB1194712 A	19700610	GB19680007760	19680216
GB1194713 A	19700610	GB19690040956	19670102
GB1225181 A	19710317		19680216
GB1225182 A	19710317		19680216
GB1225183 A	19710317		19680216
GB1225184 A	19710317		19680216
JP49029707 B4	19740806	JP19710048740	19710702
JP50001185 B4	19750116	JP19680075201	19681016
NL143800 B	19741115	NL19680007970	19680606
NL6807970 A	19690630	NL19680007970	19680606
NL6807972 A	19690630	NL19680007972	19680606
US3480019 A	19691125		19671226
US3493722 A	19700203		19680102
US3587595 A	19710628	US19690846182	19690730

Probable Assignee: POPEIL BROTHERS

Assignee(s):(std)**:** POPEIL S ; POPEIL SAMUEL J ; POPEIL SAMUEL JOSEPH ; POPEIL BROTHERS

Assignee(s): POPEIL BROTHERS INC ; SAMUEL J POPEIL ; SAMUEL JOSEPH POPEIL ; SAMUEL JOSEPH POPEIL CHICAGO ILLINOIS VER ST V AM

Inventor(s):(std)**:** SAMUEL JOSEPH POPEIL ; JOSEPH POPEIL SAMUEL ; POPEIL SAMUEL JOSEPH ; POPEIL S ; POPEIL SAMUEL J

Inventor(s): SAMUEL J POPEIL

International class (IPC 8–9)**:** A45D2/12 A45D4/16 A45D6/14 A61H33/12 F24H1/18 (Advanced/Invention); A45D2/00 A45D4/00 A45D6/00 A61H33/06 F24H1/18 (Core/Invention)

International class (IPC 1–7)**:** A45D2/12 A45D2/14 A45D2/16 A45D2/32 A45D4/10 A45D4/16 A45D8/00 A61H33/06 A61H33/12 A61M11/04 A61M15/00 H05B3/60

CPC: A45D4/16 A45D6/14 A61H33/12 A45D2/122

European class: A45D2/12F A45D4/16 A45D6/14 A61H33/12

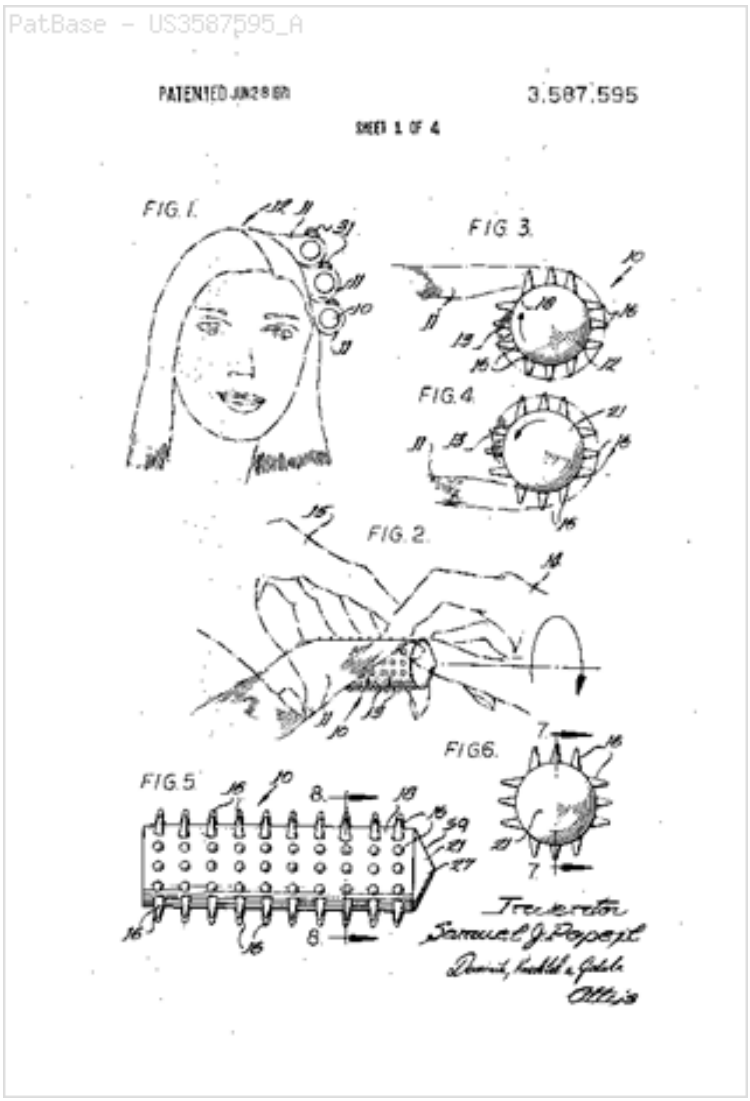
US class: 132/229 132/242 132/248 132/252 132/273 132/40 132/46 219/222 219/401 219/474 392/333 392/336 4/537 422/300 607/84 D28/38

Classification Explorer

Cited documents: US443580 A, US3351737 A, US3347618 A, US3228403 A, US3222499 A, US3141464 A, US3103934 A, US2582550 A, US2473115 A, US2230245 A, US2158698 A, US2158692 A, US2128883 A, US2000628 A, US1975082 A, US1930038 A, US1659970 A, US1473749 A, US1242209 A, US1175442 A, FR911502 A, FR1244250 A, CH216548 A, CA706979 A, AU270050,

Forward Citations: WO9746133, WO0003915, WO0003915, USD640411, US7067771, US6830055, US6523549, US6243533, US6101317, US6047704, US6035099, US5938693, US5819762, US5715846, US5715360, US5692315, US5660192, US5618457, US5558107, US5538021, US5522408, US5441707, US5384103, US5355591, US5286949, US5285800, US5228213, US4860775, US4832040, US4816644, US4621641, US4516011, US4372477, US4343321, US4284091, US4190052, US3931827, US3881500, US3754116, US3739787, US3700853, US3666915, US3656490, US3654428, US3646316, US3614381, US3600552, US3566887, US2016227899, US2014352084, US2008041411, US2005274330, JP61036043, GB2253786, GB2253786, GB2166950, GB2160418, FR2643797, ES2127064, EP1607079, EP1607079, EP1384465, EP0909135, EP0385881, DE4321432, DE3643786, DE3406065, DE2823770, DE2141209, DE2130704,

Abstract:
Source: US3480019A ABSTRACT OF THE DISCLOSURE Improved hair rollers and clips for securing the same, the rollers having a hollow body portion with a plurality of spines extending radially therefrom. The clips have a circular open ended body portion having two legs extending therefrom, and a looped tab on the body portion to provide orientation and resiliency. The rollers are used for setting the hair by heating, preferably by steaming, the hollow rollers, rolling the hair over the rollers, and securing by clips the rolled strands of hair to the rollers until the rollers have transferred their moisture and heat to the hair thereby setting the curl. This application constitutes a continuation–in–part of earlier filed applications, Ser. No. 551,320, filed on May 19, 1966 and Ser. No. 591,939, abandoned, filed on Sept.



0) US2015342635A – POSITIONING AND TISSUE SENSING DEVICES AND METH...

44) Family number: 56776726 (US2015342635A) © PatBase

Title: POSITIONING AND TISSUE SENSING DEVICES AND METHODS

Priority: US20120745561P 20121222 US20130653354 20131222 WO2013IL51047 20131222

Family:

Publication number	Publication date	Application number	Application date
CN104994778 A	20151021	CN201380073173	20131222
EP2934302 A1	20151028	EP20130864631	20131222
EP2934302 A4	20160831	EP20130864631	20131222
US2015342635 AA	20151203	US20130653354	20131222
WO14097301 A1	20140626	WO2013IL51047	20131222

Probable Assignee: OMEQ MEDICAL LTD

Assignee(s):(std)**:** OMEQ MEDICAL LTD

Inventor(s):(std)**:** MARGALIT LIOR ; TSAMIR ODED

Agent(s): PEARL COHEN ZEDEK LATZER BARATZ UK LLP; TAL OPHIR 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)**:** A61B17/00 A61B17/34 A61B5/00 A61M25/01 A61M25/06 A61M5/00 (Advanced/Invention); A61B90/00 A61M25/00 A61M25/10 (Advanced/Non–invention)

CPC: A61M25/0606 A61M25/1011 A61M25/10184 A61M2025/0003 A61M2025/0007 A61M2025/0018 A61M2025/0166 A61B17/3476 A61B17/3494 A61B17/3496 A61M25/0105 A61B17/3403 A61B17/3417 A61B2017/3456 A61B2017/3488 A61B2017/00022 A61B17/3401 A61B2090/064

US class: 604/164.01 604/164.04 604/170.02 604/506

Classification Explorer

Cited documents: WO11158227 A2, US4940458 A, US2012209303 AA, US2011125107 AA,

Forward Citations: WO15198223, US9439667, EP3017777,

Abstract:
Source: US2015342635A A positioning device with sensing capacities is provided, which facilitates needle or catheter introduction into a body tissue or cavity and is configured to sense the types of encountered tissue. Using the epidural access procedure as an example, device and method designs are presented, which enable the sensing of needle entrance to the epidural space and anchoring of the cannula within the ligamentum flavum tissue to prevent puncturing of the dura mater. In case of tissue sensing by an expandable balloon, balloon fluid pressure and volume are used to indicate tissue and cavity characteristics encountered during the procedure. Device embodiments, device construction methods and treatment methods are provided.

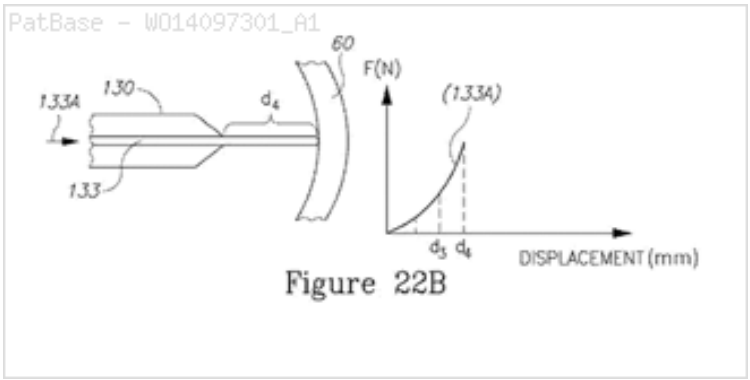


Figure 22B

0) US2003150280A – LIQUID METER

45) Family number: 28646586 (US2003150280A) © PatBase

Title: LIQUID METER

Priority: FR20010016788 20011221

Family:

Publication number	Publication date	Application number	Application date
BRPI0205193 A	20040629	BR2002PI05193	20021219
EP1326061 A1	20030709	EP20020293208	20021220
FR2834060 A1	20030627	FR20010016788	20011221
FR2834060 B1	20040312	FR20010016788	20011221
US2003150280 AA	20030814	US20020325823	20021223

Probable Assignee: PRODUCTION DE PROCEDES DE COMP

Assignee(s):(std)**:** PRODUCTION DE PROCEDES DE COMP ; SOCIETE ANONYME DE PRODUCTION DE PROCEDES DE COMPT ; PAR ACTIONS SIMPLIFIEE DE PROD

Assignee(s): PAR ACTIONS SIMPLIFIEE DE PRODUCTION DE PROCEDES DE COMPTAGE DE L EAU ET AUTRES LIQUIDES SOC ; SOCIETE ANONYME DE PRODUCTION DE PROCEDES DE COMPTAGE DE L EAU ET AUTRES LIQUIDES ; SOCIETE PAR ACTIONS SIMPLIFIEE DE PRODUCTION DE PROCEDES DE COMPTAGE DE L EAU ET AUTRES LIQUIDES ; ANONYME DE PRODUCTION DE PROCEDES DE COMPTAGE DE L ; ANONYME DE PRODUCTION DE PROCEDES DE COMPTAGE DE L EAU ET AUTRES LIQUIDES SOC ; ANONYME DE PRODUCTION DE PROCEDES DE COMPTAGE DE L'EAU ET AUTRES LIQUIDES SOC ; MEISTERMANN CHRISTOPHE

Inventor(s):(std)**:** MEISTERMANN CHRISTOPHE

Inventor(s): CHRISTOPHE MEISTERMANN

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

International class (IPC 8–9)**:** G01F1/075 G01F1/115 G01F15/14 (Advanced/Invention); G01F1/05 G01F15/00 (Core/Invention)

International class (IPC 1–7)**:** G01F1/05 G01F1/075 G01F1/115 G01F15/00 G01F15/14 G06M1/00

CPC: G01F1/0755 G01F1/1155 G01F15/007 G01F15/063 G01F15/125 G01F15/14

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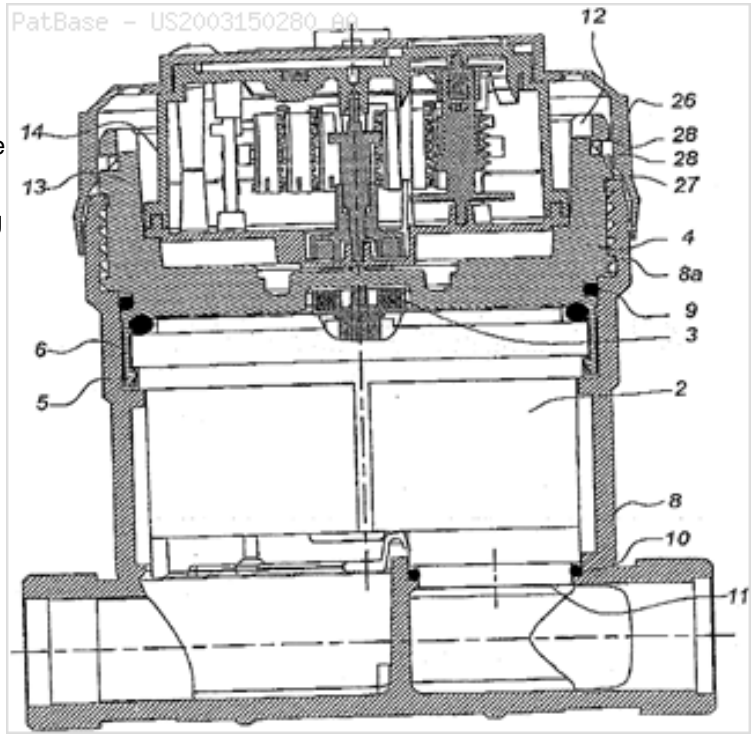
US class: 73/861.79

Classification Explorer

Cited documents: US6149801 A, US5873995 A, US5622618 A, US5540107 A, US4609217 A, US4409848 A, US2124763 A, DE29511030 U1,

Forward Citations: WO10139592, WO07118291, US9356334, US8109131, US7343795, US7267014, US7126551, US2007109209, US2006162467, US2005035914, ITMO20120115, FR2886009, FR2886009, EP2458347, EP2259030, EP2244073, EP2239544, EP2056077, EP1564533, CN102460088,

Abstract:
Source: US2003150280A A liquid meter has constituent elements including a body, an immersed rotatable measuring device, a totalizer, a sealed separation in a dry region, transmission elements for the movement of the measuring device to the totalizer. The constituent elements are arranged in the form of independent modules including a measuring module, a totalizing module, a locking module and a filtration module. The constituent elements include respectively complementary assembly elements permitting their assembly with the body of the meter and/or with each other to constitute the meter.



46) Family number: 30774774 (US2004215049A) © PatBase

Title: METHOD AND SYSTEM FOR REMOTE HEMODYNAMIC MONITORING

Priority:

JP20060502948	20040123	JP20060502948T	20040123	JP20060502950	20040123
JP20060502956	20040123	US20030451176P	20030227	US20030442376P	20030124
US20030442441P	20030124	JP20060502956T	20040123	JP20060502950T	20040123
WO2004US01806	20040123	US20070680509	20070228	US20070881809	20070727
US20100772089	20100430	US20040764127	20040123	US20060636404	20061208
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WO2004US01814	20040123	WO2004US01834	20040123		

Family:

Publication number	Publication date	Application number	Application date
EP1585441 A2	20051019	EP20040704899	20040123
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US7267649 BB	20070911	US20040764125	20040123
US7738958 BB	20100615	US20070680509	20070228
WO04066814 A2	20040812	WO2004US01814	20040123
WO04066814 A3	20050519	WO2004US01814	20040123
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WO04066817 A3	20050317	WO2004US01834	20040123
WO04067081 A2	20040812	WO2004US01806	20040123
WO04067081 A3	20041209	WO2004US01806	20040123

Probable Assignee: PROTEUS DIGITAL HEALTH INC

Assignee(s):(std)**:** PROTEUS BIOMEDICAL INC ; RUGGIO JOSEPH M ; ZDEBLICK MARK ; ZDEBLICK MARK J

Assignee(s): PROTEUS DIGITAL HEALTH INC

Inventor(s):(std)**:** RUGGIO JOSEPH M ; ZDEBLICK MARK ; ZDEBLICK MARK J

Inventor(s): RUGGIO JOSEPH

Agent(s): KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; BOZICEVIC FIELD AND FRANCIS LLP (PRTS), (PROTEUS BIOMEDICAL INC); BOZICEVIC FIELD AND FRANCIS LLP PRTS PROTEUS BIOMEDICAL INC; BOZICEVIC FIELD AND FRANCIS LLP, (PROTEUS BIOMEDICAL INC); BOZICEVIC FIELD AND FRANCIS LLP PROTEUS BIOMEDICAL INC; PROTEUS BIOMEDICAL INC BOZICEVIC FIELD AND FRANCIS LLP; BRET E; KATHLEEN; BOZICEVIC FIELD AND FRANCIS 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 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): A61B10/00 A61B17/00 A61B19/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/0215 A61B5/026 A61B5/0295 A61B5/04 A61B5/0402 A61B5/103 A61B8/08 A61B8/12 A61M25/00 A61N1/18 A61N1/362 A61N1/365 A61N1/368 (Advanced/Invention); A61B5/00 A61B5/029 A61B5/0402 A61B5/11 A61N1/362 A61N1/368 (Advanced/Non–invention); A61B10/00 A61B19/00 A61B5/02 A61B5/0205 A61B5/0215 A61B5/026 A61B5/0402 A61B8/08 A61B8/12 A61M25/00 (Core/Invention); A61B5/00 A61B5/026 A61B5/0402 A61B5/11 (Core/Non–invention); A61B A61N (Subclass/Invention)

International class (IPC 1–7): A61B5/00 A61B5/02 A61B5/04 A61N1/18 A61N1/362 A61N1/365

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European class: A61B5/0205 A61B5/0205B A61B5/0215 A61B5/0215H A61B5/02F A61B5/145H A61B5/145J A61B5/68D3D A61B5/68D3F A61N1/362C A61N1/365 A61N1/365B A61N1/365C K61B5/0215H K61B5/026 K61B5/029 K61B5/11J K61B5/1459 K61B5/1473 K61N1/362C K61N1/365B10 K61N1/365B4 K61N1/365B7 K61N1/365B8 K61N1/365B9 K61N1/365C K61N1/368B K61N1/368M K61N1/37B

US class: 600/16 600/16P 600/17 600/301 600/485 600/486 600/486P 600/508 600/523 600/561 600/587 607/17 607/17P 607/17S 607/24 607/24P 607/27 607/28

Classification Explorer

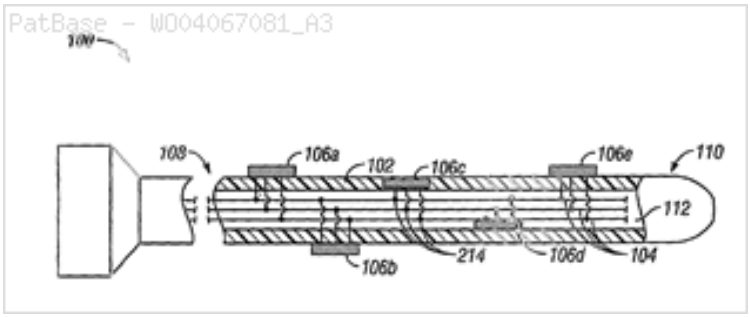
Cited documents: WO04067081 A3, WO04067081 A2, WO04066817 A3, WO04066817 A2, WO04066814 A3, WO04066814 A2, WO04052182 A3, WO04052182 A2, WO02065894 A2, WO02053228 A1, WO0009206 A1, US73449003, US734490 A, US7214189 BB, US7204798 BB, US7200439 BB, US7200437 BA, US7174218 BA, US7047084 BB, US6994676 BB, US6993384 BB, US6885889 BB, US6728562 BA, US6666826 BB, US6628989 BA, US6611714 BA, US6580946 BB, US6496730 BA, US6493575 BA, US6477417 BA, US6477395 BB, US6473653 BA, US6472653 BA, US6466820 BA, US6438408 BA, US6418348 BA, US6370431 BA, US6366811 BA, US6363279 BA, US6360123 BA, US6346124 BA, US6328699 BA, US6309385 BA, US6309350 BA, US6301500 BA, US6299582 BA, US6287256 BA, US6277078 BA, US6264906 BA, US6264606 BA, US6238699 BA, US6234973 BA, US6223080 BA, US6214032 BA, US6206874 BA, US6206835 BA, US6197677 BA, US6197021 BA, US6171252 BA, US6171252 B1, US6165135 A, US6155267 A, US6120442 A, US6081748 A, US6078830 A, US6061593 A, US6058329 A, US6044299 A, US6044297 A, US6038480 A, US6033398 A, US6032699 A, US6024704 A, US6015386 A, US6009349 A, US5999848 A, US5935084 A, US5924997 A, US5913814 A, US5902248 A, US5902234 A, US5873849 A, US5814089 A, US5810735 A, US5800465 A, US5788647 A, US5755759 A, US5751050 A, US5743267 A, US5720768 A, US5713937 A, US5683429 A, US5662587 A, US5628777 A, US5593430 A, US5591142 A, US5579764 A, US5549650 A, US5544656 A, US5535752 A, US5509411 A, US5487752 A, US5423323 A, US5419797 A, US5419767 A, US5417717 A, US5411537 A, US5411532 A, US5391199 A, US5313020 A, US5305745 A, US5304208 A, US5285744 A, US5213098 A, US5209238 A, US5188106 A, US5176619 A, US5158536 A, US5156154 A, US5113868 A, US5111816 A, US5072737 A, US5035246 A, US5005613 A, US5004275 A, US4902273 A, US4881410 A, US4878898 A, US4877032 A, US4815472 A, US4776334 A, US4628934 A, US4603705 A, US4399820 A, US4397314 A, US4262982 A, US4228934 A, US3985123 A, US3888260 A, US2009054947 AA, US2009054946 AA, US2009024184 AA, US2008114230 AA, US2008097566 AA, US2008097227 AA, US2008091246 AA, US2008061630 AA, US2008058656 AA, US2008045826 AA, US2008039916 AA, US2008027289 AA, US2008021292 AA, US2008007186 AA,

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Forward Citations: WO16191665, WO15173785, WO13169492, WO12055498, WO11097568, WO11097568, WO11071427, WO10129513, WO10129513, WO10064043, WO10018542, WO10018542, WO09134585, WO09076578, WO09052532, WO08146225, WO08115456, WO08109185, WO08105690, WO08094468, WO08076014, WO06124919, WO06124919, WO06107922, USD754357, USD724745, USD699359, US9592391, US9572985, US9566442, US9554716, US9549708, US9549685, US9532724, US9526909, US9526440, US9521961, US9513443, US9504819, US9492097, US9489831, US9474894, US9462960, US9457191, US9456766, US9446246, US9445743, US9445734, US9440082, US9415188, US9403011, US9375160, US9352164, US9351661, US9345447, US9345422, US9339230, US9339207, US9339206, US9332914, US9332911, US9320496, US9305456, US9295844, US9265443, US9242113, US9216298, US9211107, US9204819, US9198600, US9192774, US9192767, US9186512, US9149631, US9125578, US9119551, US9072906, US9066708, US9066672, US9055917, US9049995, US9037208, US9033896, US9002467, US8972002, US8971994, US8968208, US8965490, US8926641, US8926523, US8918169, US8914130, US8897869, US8888710, US8886306, US8886301, US8882789, US8874203, US8868175, US8858455, US8852099, US8849382, US8845544, US8831737, US8825175, US8825156, US8818507, US8808185, US8801693, US8786049, US8784336, US8781555, US8774907, US8758260, US8755883, US8744601, US8725260, US8718770, US8712549, US8709631, US8706209, US8702620, US8702616, US8700148, US8694089, US8663117, US8657755, US8632470, US8628525, US8617080, US8613706, US8597193, US8591423, US8585604, US8583232, US8535235, US8512256, US8504151, US8493187, US8483839, US8483829, US8480594, US8478382, US8473069, US8469976, US8442606, US8437833, US8423140, US8417336, US8412347, US8409103, US8406898, US8406878, US8406867, US8388670, US8388604, US8388546, US8388541, US8382677, US8376953, US8369960, US8355784, US8298150, US8298148, US8282564, US8277389, US8271093, US8262579, US8255062, US8251904, US8239023, US8235910, US8211028, US8209037, US8204586, US8190390, US8166978, US8160702, US8154389, US8135469, US8131354, US8123684, US8121702, US8108049, US8108034, US8078279, US8070684, US8068907, US8057400, US8050761, US8036743, US8034000, US8025624, US8007442, US7983765, US7983751, US7955268, US7949394, US7948148, US7938781, US7935056, US7931598, US7931597, US7925347, US7920913, US7909770, US7909768, US7907998, US7881790, US7857769, US7856335, US7850616, US7813808, US7792581, US7789835, US7751882, US7742815, US7738958, US7720548, US7717854, US7713195, US7713194, US7686768, US7682313, US7653436, US7647121, US7643879, US7641619, US7640060, US7637867, US7634309, US7630766, US7627376, US7621905, US7616992, US7616991, US7580746, US7559894, US7550973, US7526338, US7519424, US7479112, US7470233, US7406351, US7389147, US7366567, US7363077, US7267649, US7214189, US7204798, US7200439, US7065400, US7010347, US2015032007, US2015005647, US2014358135, US2014142444, US2014142438, US2014142406, US2014107932, US2014039312, US2013289430, US2013184545, US2013165965, US2013165776, US2012150252, US2011295146, US2011208056, US2011201946, US2011196255, US2011098557, US2011098546, US2011093230, US2011082530, US2011040194, US2011028848, US2011022113, US2010308974, US2010305650, US2010305649, US2010305635, US2010292592, US2010262116, US2010256700, US2010249883, US2010222786, US2010204766, US2010174271, US2010168836, US2010161007, US2010152607, US2010143232, US2010137936, US2010131023, US2010125211, US2010121403, US2010121133, US2010114234, US2010113945, US2010100144, US2010099994, US2010076279, US2010071891, US2010049270, US2010037902, US2009312613, US2009299447, US2009299427, US2009281584, US2009275843, US2009247872, US2009221882, US2009198295, US2009192749, US2009189741, US2009177090, US2009157090, US2009149766, US2009124916, US2009118627, US2009118612, US2009048524, US2009018558, US2009018389, US2009005675, US2008312750, US2008306394, US2008294218, US2008294060, US2008294057, US2008287800, US2008287753, US2008275321, US2008262562, US2008255647, US2008249379, US2008243144,

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Abstract:
Source: US2004215049A A cardiac sensor system includes implanted cardiac sensor assemblies and an external controller which receives information from the implanted sensors. The sensors permit direct measurement of a number of physiologic parameters. The external controller permits calculation of a variety of performance values based on the measured physiological parameters. Optionally, patient oxygen consumption can be measured externally and combined with the internally measured physiologic parameters in order to calculate a variety of unique performance values.



0) US5279167A – METHOD AND APPARATUS FOR PROVIDING A SAMPLE FOR...

47) Family number: 12135350 (US5279167A) © PatBase

Title: Method and apparatus for providing a sample for testing for volatile emissions

Priority: US19920882033 19920713 US19920895788 19920609 US19940197159 19940216 US19940347900 19941201 US19930116716 19930903 US19920978622 19921119

Family:

Publication number	Publication date	Application number	Application date
US5279167 A	19940118	US19920895788	19920609
US5345828 A	19940913	US19920882033	19920713
US5396812 A	19950314	US19920978622	19921119
US5473950 A	19951212	US19940197159	19940216
US6038934 A	20000321	US19940347900	19941201

Probable Assignee: PMMI

Assignee(s):(std)**:** PETERSON ROGER ; PMMI

Inventor(s):(std)**:** PETERSON ROGER

International class (IPC 8–9): G01N1/14 G01N1/20 (Advanced/Invention)

International class (IPC 1–7): G01N1/00 G01N1/10 G01N1/14 G01N1/20 G01N1/22 G01N31/00

CPC: G01N1/2035 G01N2001/205 G01N1/14 G01N2001/1454 G01N2001/2064 G01N2001/2085

European class: G01N1/14 G01N1/20B S01N1/14P1 S01N1/20B3 S01N1/20B5 S01N1/20B7B

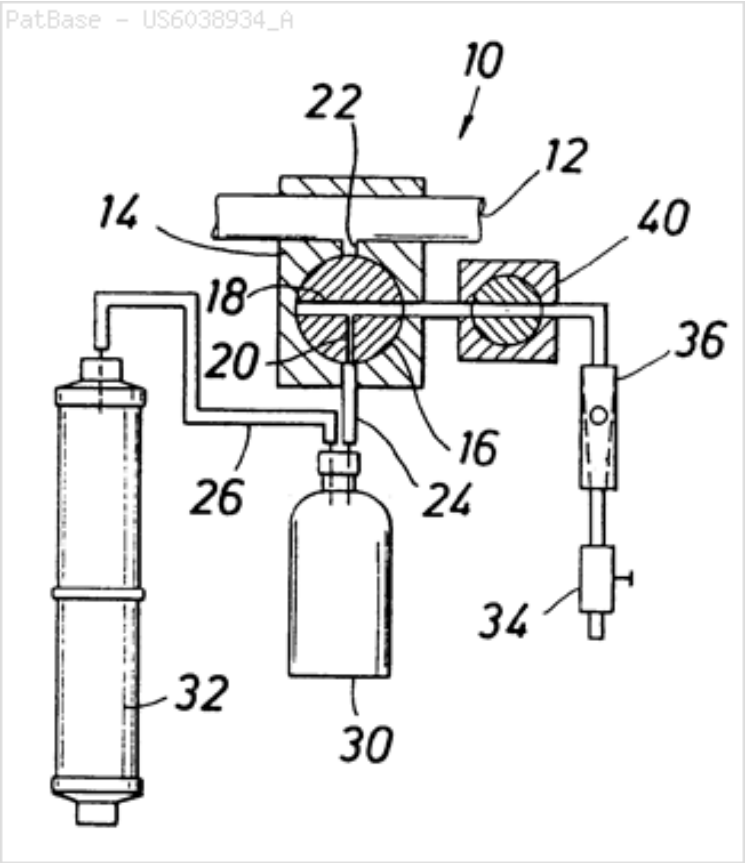
US class: 73/863.25 73/863.57 73/863.72 73/863.81 73/863.85 73/863.86 73/864.14 73/864.34 73/864.74 738/637.2 738/638.6

Classification Explorer

Cited documents: US5325823 A, US5295400 A, US5251495 A, US5220513 A, US5167802 A, US5133938 A, US5092988 A, US5060529 A, US5048354 A, US5038623 A, US5029485 A, US5005432 A, US5003830 A, US4986138 A, US4962042 A, US4939940 A, US4879915 A, US4873876 A, US4856352 A, US4823623 A, US4791821 A, US4689206 A, US4674343 A, US4669321 A, US4572780 A, US4413533 A, US4307620 A, US4294124 A, US4056981 A, US3950136 A, US3896673 A, US3827302 A, US3566865 A, US3556730 A, US3530721 A, US3504549 A, US3372573 A, US3369405 A, US2844964 A, US2836068 A, US2693114 A, US1519827 A, SU868429 U, SU798529 T, FR2343239 A1, DE725235 A, DE2918768 A1, DD139026 Z,

Forward Citations: WO9830254, WO9830254, WO07143907, WO04045960, WO04045960, US9297725, US9134037, US9091670, US8616075, US7971497, US6925895, US6854346, US6790674, US6593146, US6569687, US6395560, US6286375, US6152189, US6112604, US6067402, US5948998, US5925833, US5814743, US5753830, US5600075, US2013239672, US2011132279, US2009133515, US2009014243, US2005027656, US2003051565, US2002025255, JP2009126585, FR2997931, DE19836372, CN102435461, BE1016879,

Abstract:
Source: US5279167A The present disclosure is directed to a sample collecting and storing apparatus. A metal cabinet encloses a hand operated, chain driven pump connected serially with inlet and outlet lines providing a closed loop flow with a large tank to be sampled. The pump connects serially with a three port, two position valve mechanism defining a bypass. Another port of the valve serially connects with an industry standard fitting which in turn connects with the head of a syringe positioning a needle tip in alignment with the valve. A suitable mounting bracket supports the valve and associated syringe in conjunction with a second syringe preferably bent in a 90 degrees angle and having fittings for the syringe. This defines a second syringe tip so that two syringe needles insert through a septum into a sample receiving container. A method of operation is also set forth.



0) US4834574A – UTILITY COVER EXTENSION

48) Family number: 24046240 (US4834574A) © PatBase

Title: Utility cover extension

Priority:
CA19890604576 19890630
CA19890604581 19890630
US19880207266 19880615
US19870076668 19870723
US19880207185 19880615
US19880201573 19880601
US19890362077 19890606
US19880207326 19880615
US19890366177 19890614
US19890362277 19890606
US19880207325 19880615
US19890323622 19890314
US19890362216 19890606
US19890362257 19890606
US19920846518 19920304
US19900473324 19900201
US19900596255 19901012
US19900536691 19900612
US19900560184 19900731
US19900579828 19900910
US19920897282 19920611
US19900578007 19900831
US19910670710 19910318
US19910744948 19910814
US19890378412 19890711

Family:

Publication number	Publication date	Application number	Application date
CA1308292 A1	19921006	CA19890604581	19890630
CA1309890 A1	19921110	CA19890604576	19890630
EP0300829 A1	19890125	EP19880306793	19880722
US4834574 A	19890530	US19870076668	19870723
US4867600 A	19890919	US19880201573	19880601
US4867601 A	19890919	US19880207266	19880615
US4872780 A	19891010	US19880207185	19880615
US4927290 A	19900522	US19890378412	19890711
US4963053 A	19901016	US19890362257	19890606
US4966489 A	19901030	US19890362216	19890606
US4969770 A	19901113	US19890362277	19890606
US4969771 A	19901113	US19890366177	19890614
US5021261 A	19910604	US19900473324	19900201
US5039248 A	19910813	US19900560184	19900731
US5051022 A	19910924	US19900579828	19900910
US5143478 A	19920901	US19910670710	19910318
US5150984 A	19920929	US19920846518	19920304
US5165819 A	19921124	US19910744948	19910814
US5184912 A	19930209	US19900596255	19901012
USRE34550 E	19940222	US19920897282	19920611
WO9318240 A1	19930916	WO1992US06849	19920813

Probable Assignee: BOWMAN HAROLD M

Assignee(s):(std)**:** BOWMAN HAROLD M

Assignee(s): BOWMAN HAROLD MOSES

Inventor(s):(std)**:** FULLER GEORGE T ; BOWMAN HAROLD M ; BOWMAN HAROLD MOSES

Agent(s): RIDOUT AND MAYBEE LLP

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

International class (IPC 8–9): E02D29/14 (Advanced/Invention); E02D29/12 (Advanced/Non–invention); E02D29/14 (Core/Invention); E02D29/12 (Core/Non–invention)

International class (IPC 1–7): B05D5/00 E02D29/14

CPC: E02D29/1427 E02D29/149 E02D29/124 E02D29/14

European class: E02D29/12E E02D29/14

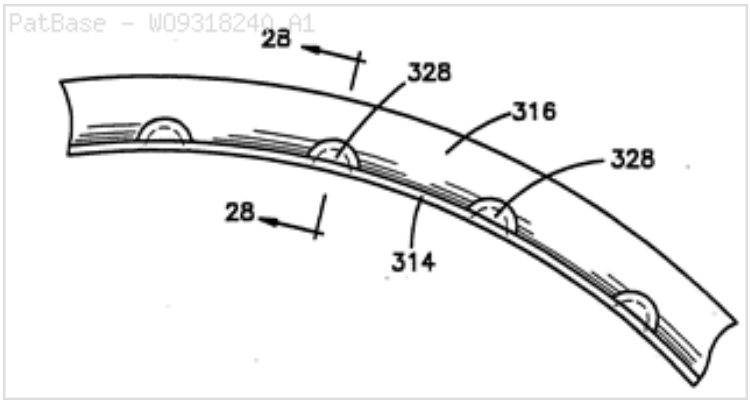
US class: 404/25 404/26 404/72 427/286 427/287 52/20

Classification Explorer

Cited documents: US599457 A, US5021261 A, US4987650 A, US4969771 A, US4969770 A, US4966489 A, US4963053 A, US4927290 A, US4867601 A, US4867600 A, US4834574 A, US4828274 A, US4764069 A, US4763449 A, US4747739 A, US4706718 A, US4690584 A, US4673310 A, US4657752 A, US4650365 A, US4648740 A, US4637752 A, US4614065 A, US4582450 A, US4582449 A, US4544302 A, US4440407 A, US4416440 A, US4358084 A, US4302126 A, US4281944 A, US4273467 A, US4269385 A, US4269248 A, US4236358 A, US4225266 A, US4225226 A, US4203686 A, US4203190 A, US4188151 A, US4187647 A, US4121390 A, US4101236 A, US4097228 A, US4097171 A, US4030851 A, US4029425 A, US3973856 A, US3969847 A, US3968600 A, US3930739 A, US3926533 A, US3920347 A, US3911635 A, US3891337 A, US3858998 A, US3858993 A, US3858899 A, US3773428 A, US3701303 A, US3629981 A, US3533199 A, US3490177 A, US3408778 A, US3392640 A, US3385011 A, US3326100 A, US3308727 A, US3218944 A, US3218943 A, US3209663 A, US2903875 A, US2661863 A, US2595787 A, US2593918 A, US2346361 A, US2328068 A, US2109287 A, US1990909 A, US1987502 A, US1908909 A, US1758515 A, US1639495 A, US1580541 A, SE13125, IT434471 A, GB886005 A, GB336437 A, GB2102479 A1, GB2102476 A1, GB1102946 A, DE3910887 A1, CH446210 A, CA864247 A, CA725408 A, CA588111 A, CA395078 A,

Forward Citations: WO9853151, WO9707287, WO9615325, WO9508676, WO16195563, WO15036963, WO12135914, WO12047739, WO05056931, WO0000336, WO0000336, USRE43885, USD752968, USD583067, USD577106, USD548309, USD546924, US9587368, US9435098, US9366093, US9322144, US9011035, US8933310, US8925280, US8858114, US8720907, US8578678, US8573883, US8395530, US8191211, US8186684, US8182171, US8118517, US8002977, US7879233, US7836760, US7789586, US7781661, US7703474, US7603752, US7514617, US7500701, US7498500, US7491010, US7401998, US7350827, US7266926, US7263746, US7165911, US7150580, US7146689, US7073768, US6955499, US6955498, US6805359, US6799920, US6692183, US6688807, US6524026, US6520713, US6516241, US6457901, US6449908, US6435764, US6371687, US6266928, US6226929, US6161984, US6149803, US6138057, US6109824, US6007270, US6000878, US5997212, US5956905, US5911537, US5899024, US5898044, US5813797, US5797221, US5697729, US5628152, US5611640, US5595455, US5549334, US5536110, US5482400, US5470172, US5382113, US5326188, US5325558, US5316407, US5308189, US5281046, US5257510, US5209601, US5205668, US5165819, US5150984, US5143478, US5100257, US5095667, US5078539, US5052851, US5039248, US5021261, US4969771, US4966489, US4963053, US4927290, US2016108601, US2015102712, US2015020458, US2014314486, US2014064840, US2014041311, US2011222963, US2011221614, US2011120923, US2011118087, US2010253014, US2010209196, US2010186199, US2010124458, US2010073251, US2009214292, US2009105969, US2009074509, US2008244988, US2008170908, US2008149544, US2008145147, US2008028688, US2007283818, US2007180662, US2007163423, US2007163422, US2007075553, US2007044841, US2007026796, US2006225257, US2006199627, US2006123716, US2006088378, US2006078382, US2006078381, US2006033330, US2006000158, US2005011573, US2005006853, US2004007655, US2003081999, US2002098038, GB2467798, GB2449641, GB2449641, GB2385876, GB2297111, GB2297111, FR2910030, FR2893641, EP2757553, EP2754936, EP2128344, EP1932971, EP1916342, EP1632612, EP1632612, EP1398419, EP0720680, EP0353440, CN105155586, CN104895114, CN103994069, CN103994069, CN102561401, CN102363966, AU675352, AT409643,

Abstract:
Source: US4834574A A utility cover extension and its process of installation are shown. The extension is adapted to rest on the cover support flange of and make a snug fit in a utility housing for a manhole cover. The extension provides an access opening above the housing. It has a rim and seat that furnish lateral retention and a new, substantially higher elevation for the cover. The extension has at least one spreadable joint for expanding its periphery against the constraint of the housing, and there is a gap in the seat at the joint when the extension is expanded. A discrete closure comprising compressible polymer is applied at the gap for preventing the substantial infiltration of surface water therethrough.



0) US2002055166A – AUTOMATED BIOCULTURE AND BIOCULTURE EXPERIMENTS...

49) Family number: 28197783 (US2002055166A) © PatBase

Title: AUTOMATED BIOCULTURE AND BIOCULTURE EXPERIMENTS SYSTEM

Priority: US20000236702P 20001002 US20000236703P 20001002 US20000236733P 20001002 US20010967995 20011002 US20070893430 20070815 WO2003US09584 20030328 WO2001US30630 20011002 US20050063599 20050224 US20020109712 20020401

Family:

Publication number	Publication date	Application number	Application date
AU2001294922 AA	20020415	AU20010294922	20011002
AU200194922 A5	20020415	AU20010094922	20011002
AU2003223385 AA	20031020	AU20030223385	20030328
EP1325110 A1	20030709	EP20010975614	20011002
EP1325110 A4	20090325	EP20010975614	20011002
JP2004510431 T2	20040408	JP20020532567T	20011002
JP4195287 B2	20081210	JP20020532567T	20011002
US2002055166 AA	20020509	US20010967995	20011002
US2002146817 AA	20021010	US20020109712	20020401
US2005186671 AA	20050825	US20050063599	20050224
US2008032398 AA	20080207	US20070893430	20070815
US7270996 BB	20070918	US20010967995	20011002
US7906323 BB	20110315	US20050063599	20050224
WO0228996 A1	20020411	WO2001US30630	20011002
WO03085101 A1	20031016	WO2003US09584	20030328

Probable Assignee: TISSUE GENESIS LLC

Assignee(s):(std)**:** CANNON THOMAS F ; COHN LAURA K ; KOSNIK PAUL ; QUINN PETER D ; TISSUE GENESIS INC

Assignee(s): TISSUE GENESIS LLC ; THOMAS F CANNON ; PETER D QUINN ; LAURA K COHN

Inventor(s):(std)**:** COHN LAURA K ; KOSNIK PAUL ; CANNON THOMAS F ; QUINN PETER D

Inventor(s): THOMAS F CANNON ; COHN LAURA ; LAURA K COHN ; PAUL KOSNIK ; PETER D QUINN ; QUINN PETER ; CANNON THOMAS

Agent(s): DICKSTEIN SHAPIRO MORIN AND OSHINSKY LLP; THELEN REID BROWN RAYSMAN AND STEINER LLP; NIXON PEABODY 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 NI 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): C12M1/00 C12M1/26 C12M1/34 C12M3/00 C12M3/06 C12N5/02 C12N5/06 C12N5/08 G01N33/15 G01N33/50 (Advanced/Invention)

International class (IPC 1–7): C12M1/36 C12M3/00 C12M3/06 C12N5/00 C12N5/06 C12N5/08 G01N33/15 G01N33/50

CPC: Y10S435/809 C12M37/00 C12M41/00 C12M23/42 C12M23/48 C12M29/04 C12M29/10

European class: C12M23/42 C12M23/48 C12M29/04 C12M29/10 C12M41/00 C12N5/06R

US class: 435/283.1 435/283.100S 435/286.5 435/286.500P 435/286.500S 435/287.1 435/289.1 435/289.100P 435/293.1 435/297.2 435/297.200P 435/297.200S 435/297.4 435/297.400S 435/3 435/303.1 435/303.100P 435/303.100S 435/309.1 435/309.100S 435/309.2 435/317.1 435/317.100S 435/325 435/325S 435/33 435/366 435/366S 435/809

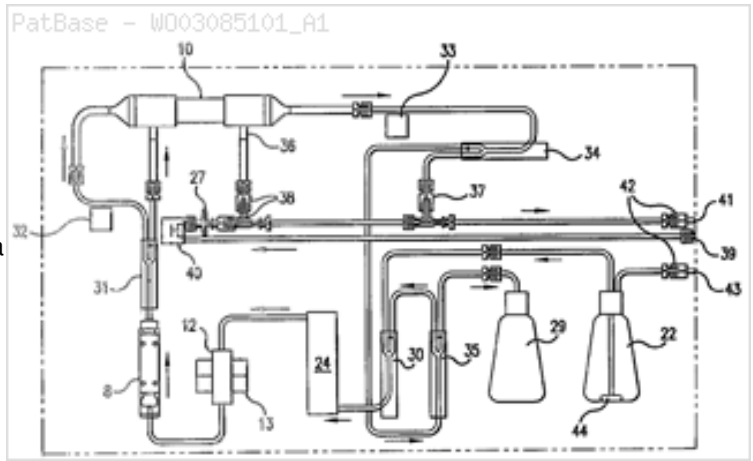
Classification Explorer

Cited documents: WO9716527 A1, WO0228996 A1, US7270996 BB, US6445587 BA, US6416995 BA, US6238908 BA, US6228635 BA, US6174719 BA, US6174719 B1, US6166900 A,

US6121042 A, US6110212 A, US6096532 A, US6048721 A, US6008010 A, US5994129 A, US5989913 A, US5985653 A, US5944129 A, US5866420 A, US5863531 A, US5827238 A, US5792603 A, US5688687 A, US5656421 A, US5612188 A, US5494822 A, US5427266 A, US5424209 A, US5416022 A, US5398161 A, US5368555 A, US5338662 A, US5270192 A, US5202254 A, US5133937 A, US5081035 A, US4999307 A, US4999298 A, US4942770 A, US4889812 A, US4808315 A, US4748124 A, US4722902 A, US4650766 A, US4649114 A, US4647539 A, US4546083 A, US4537860 A, US4442206 A, US4440853 A, US4391912 A, US4311798 A, US4310630 A, US4246120 A, US4242459 A, US4228242 A, US4212845 A, US4201845 A, US4087327 A, US3753865 A, US2002146817 AA, US2002115208 AA, US2002055166 AA,

Forward Citations: WO17025641, WO16006680, WO15183871, WO15009992, WO13110651, WO09146911, WO09146911, WO08109200, WO08005998, WO07120619, WO07120619, WO06119622, WO06025098, WO05070037, WO05070037, WO04069983, WO04069983, WO04058937, WO03085101, USD548357, US9581942, US9550972, US9534261, US9534195, US9499780, US9468709, US9464265, US9428729, US9423327, US9416429, US9405300, US9353347, US9284523, US9260698, US9226494, US9182328, US9176038, US9115336, US9097631, US9057045, US9005958, US8999046, US8969067, US8940520, US8927257, US8906688, US8895291, US8889400, US8887770, US8877488, US8859262, US8822210, US8812089, US8809043, US8785181, US8765459, US8753871, US8691565, US8622997, US8615324, US8507264, US8507253, US8492140, US8465971, US8440452, US8431401, US8399245, US8323957, US8309347, US8309343, US8278101, US8232095, US8216831, US8190244, US8163555, US8110395, US8062286, US8021871, US8003378, US7998725, US7989199, US7980024, US7977089, US7927869, US7906323, US7855070, US7794449, US7789872, US7767446, US7754478, US7718430, US7695448, US7635586, US7632675, US7485454, US7468263, US7435581, US7270996, US2015104840, US2015079664, US2015024492, US2015004077, US2014377849, US2014363805, US2014170744, US2013266929, US2013102070, US2013004938, US2012265063, US2012088224, US2012065782, US2011319868, US2011256108, US2011159584, US2011159475, US2011155256, US2011136226, US2011033916, US2010330663, US2010151571, US2010136679, US2010112696, US2010105138, US2010099172, US2010075293, US2009298181, US2009287190, US2009221064, US2009215654, US2009215176, US2009155885, US2009137026, US2009075360, US2009011494, US2008319694, US2008294361, US2008254533, US2008248572, US2008221445, US2008220523, US2008220522, US2008154240, US2008145921, US2008113426, US2008032398, US2007254004, US2007207450, US2007148764, US2007128715, US2006213374, US2006166354, US2006110822, US2006020255, US2006019333, US2005282268, US2005186671, US2005158701, US2005154534, US2005153437, US2005118703, US2005112542, US2005106714, US2005037452, US2005026273, US2005026134, US2005019904, US2004235142, US2004121454, US2004058407, US2003054335, US2002146817, US2002055166, KR101440171, JP2016531106, JP2010519903, JP2008539738, JP2008515457, JP2007296327, GB2515751, GB2459897, EP2926821, EP2834345, EP2730645, EP2730644, EP2039757, EP2039756, EP1911834, EP1882030, EP1882030, EP1576085, EP1443114, DE102012200938, DE102012200938, DE102004035107, CN104350143, AU2008223280,

Abstract:
Source: US2002055166A The present invention provides a feedback controlled bioculture platform for use as a precision cell biology research tool and for clinical cell growth and maintenance applications. The system provides individual closed–loop flowpath cartridges, with integrated, aseptic sampling and routing to collection vials or analysis systems. The system can operate in a standard laboratory or other incubator for provision of requisite gas and thermal environment. System cartridges are modular and can be operated independently or under a unified system controlling architecture, and provide for scale–up production of cell and cell products for research and clinical applications. Multiple replicates of the flowpath cartridges allow for individual, yet replicate cell culture growth and multiples of the experiment models that can be varied according to the experiment design, or modulated to desired cell development of cell culture end–points. The integral flowpath cartridge aseptic sampling system provides for dynamic analysis of metabolic products or representative cells from the culture.



0) DE3608807A1 – POSITION TRANSMITTER AND ITS USE STELLUNGSGEBER...

50) Family number: 4651100 (DE3608807A1) © PatBase

Title: Position transmitter and its use

Priority: DE19863608807 19860315

Family:

Publication number	Publication date	Application number	Application date
DE3608807 A1	19870917	DE19863608807	19860315

Probable Assignee: HOPF WOLFGANG

Assignee(s):(std)**:** HOPF WOLFGANG

Inventor(s):(std)**:** HOPF WOLFGANG

International class (IPC 8–9)**:** G01D5/22 G01F1/075 G01F1/115 (Advanced/Invention); G01D5/12 G01F1/05 (Core/Invention)

International class (IPC 1–7)**:** G01D5/22 G01F1/075 G01F1/115 G01K17/00

CPC: G01D5/2216 G01F1/075 G01F1/115

European class: G01D5/22B1 G01F1/075 G01F1/115

Classification Explorer

Cited documents: EP0121734, DE7422689, DE2509461, DE2407240, DE19215,

Forward Citations: US4982156, EP0769681, DE3804786, DE19543361, DE102011110026,

Abstract:
Source: DE3608807A1 In a volume meter, for example a water meter, a ferromagnetic rod (9) is connected to the rotating measuring element (1), which rod, together with the measuring element (1), revolves in the housing (4) of the water meter. Outside the housing (4) of the water meter, two coils (11, 12) are arranged diametrically opposite one another in such a manner that the ferromagnetic rod (9) is located in extension of the ferromagnetic cores (13, 14) of the two coils in one of its positions. In this position, the two coils are magnetically coupled, while they are decoupled in the position of the magnetic rod (9) perpendicular thereto. A pulse transmitter (15) is connected to one coil (11) and a pulse receiver (16) is connected to the other coil (12). The magnitude of the output signal of the receiver (16) depends on the coupling between the coils (11, 12) and is therefore characteristic of the position of the magnetic rod (9). Using pulse sequences with an extremely small duty ratio allows the water meter to be observed in an energy–saving and, at the same time, reaction–free manner.

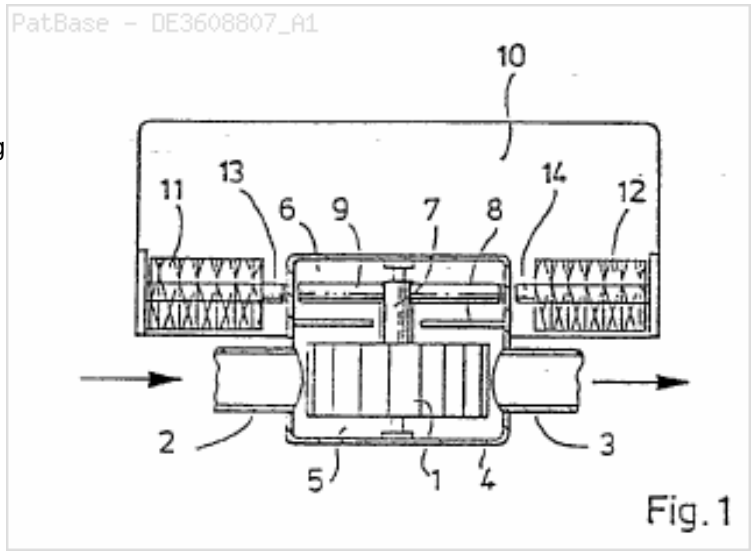


Fig. 1

0) BRPI1004882A – LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNI...

51) Family number: 54075563 (BRPI1004882A)

© PatBase

Title: LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNICO DE TUBETES DE HIDRAMETROS E SIMILARES" SEAL SYSTEM WITH LOCKING IN POINT OF SINGLE AND SIMILAR tubes at HIDRAMETROS" (Machine translation)

Priority: BR2010PI04882 20101112

Family:

Publication number	Publication date	Application number	Application date
BRPI1004882 A2	20130604	BR2010PI04882	20101112

Probable Assignee: OIZUMI YUKIO

Assignee(s):(std)**:** OIZUMI YUKIO

Assignee(s): YUKIO OIZUMI

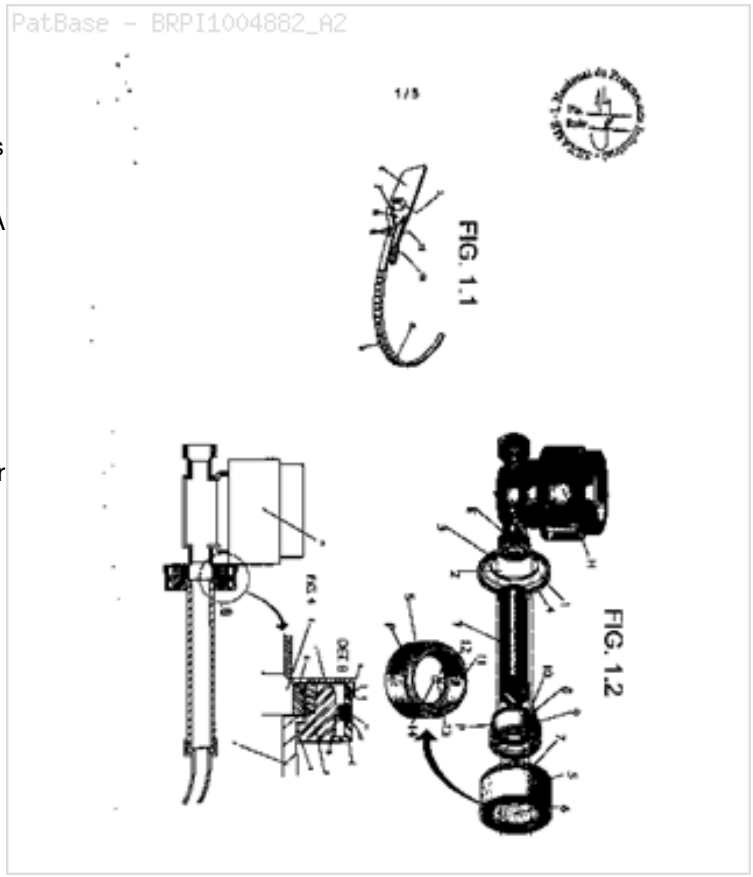
Inventor(s):(std)**:** OIZUMI YUKIO

Inventor(s): YUKIO OIZUMI

International class (IPC 8–9): G01F15/00 G09F3/03 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BRPI1004882A LACRE COM SISTEMA DE TRAVAMENTO EM PONTO DE UNICO DE TUBETES DE HIDRAMETROS E SIMILARES. Sendo um lacre (1) com parte superior (2) e parte inferior (3), ambas dotadas de miolos semicirculares (4) delimitados por paredes laterais (5) e articulaveis por uma dobradica com linha de enfraquecimento (6). A parte superior (2) possui lingueta frontal (7) com superficie externa (8) e superficie interna (9) dotadas de frisos horizontais (10) e garras flexiveis (11) nas bordas laterais (12). A parte inferior (3) possui formando um alojamento interno vazado (18), frontal, que inclui um ressalto interno iniciando–se em forma de rampa (19) e interrompido abruptamente formando um batente continuo (20). Apos envolver, por suas partes superior (2) e inferior (3), o ponto de uniao dos tubetes (T) a lingueta (7) ultrapassa o alojamento (18) e, pelos frisos horizontais (10) e garras (11), prende–se de modo irreversivel no batente continuo (20), sendo que abertura do lacre somente sera possivel com a destruicao da lingueta (7), indicando assim. violacoes em sistemas hidraulicos e similares.



Machine translation: SEAL SYSTEM WITH LOCKING IN SINGLE POINT OF HIDRAMETROS AND SIMILAR tubes. As a seal (1) with upper (2) and lower part (3), both provided with semicircular brains (4) delimited by side walls (5) articulated by a hinge–line of weakness (6). The upper part (2) has a front tongue (7) with the outer surface (8) and the inner surface (9) provided with horizontal ribs (10) and flexible claws (11) on the lateral edges (12). The lower part (3) has a hollow interior forming a housing (18), frontal, which includes an internal shoulder beginning in ramp form (19) and forming a stop abruptly interrupted continuous (20). After wrapping, for more parts (2) and lower (3), the point of union of the tubes (T) the tongue (7) exceeds the housing (18) and the horizontal friezes (10) and claw (11) holds up so keep on stop irreversible (20), and opening of the seal will be possible only with the destruction of the bolt (7), thus indicating. violations in hydraulic systems and the like.

0) US3751988A – DIFFERENTIAL PRESSURE RESPONSIVE DEVICE

52) Family number: 7412416 (US3751988A)

© PatBase

Title: DIFFERENTIAL PRESSURE RESPONSIVE DEVICE

Priority: US19710129364 19710330

Family:

Publication number	Publication date	Application number	Application date
US3751988 A	19730814	US19710129364	19710330

Probable Assignee: MARY CATHOLEENE REESE

Assignee(s):(std)**:** MARY CATHOLEENE REESE

Assignee(s): MARY CATHOLEENE REESE US

Inventor(s):(std)**:** REESE W

Inventor(s): REESE W US

International class (IPC 8–9)**:** F16J3/04 (Advanced/Invention); F16J3/00 (Core/Invention)

International class (IPC 1–7)**:** F16J3/00 G01L13/02 G01L7/06

CPC: F16J3/047

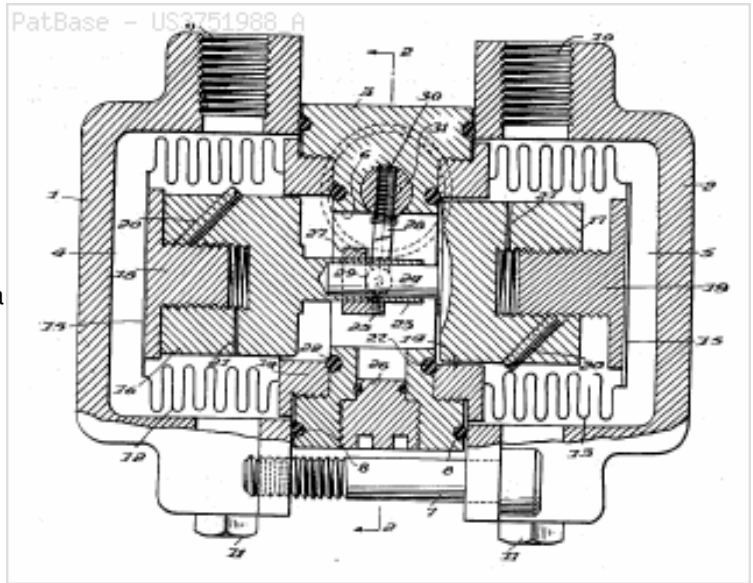
European class: F16J3/04C

US class: 251/335.3 92/37 92/38

Classification Explorer

Forward Citations: US4902206, US4858439, US4329877, US4193418, US3831898, US3822596, FR2333168, FR2333168, DE2553327,

Abstract:
Source: US3751988A A differential pressure responsive device which uses two opposed bellows mounted on a center plate and exposed externally to differential pressures. Flow between the interiors of the bellows is provided through a center plate opening or passage controlled by valves that are connected with the free ends of the bellows through adjustable connections. Suitable means is provided for transmitting motion exteriorly of the housing of the meter through a torque shaft operatively connected with the tie connections between the bellows so as to be moved in response to fluctuations of the bellows. A range spring is connected with this shaft to control the range of the meter. 7 Claims, 4 Drawing Figures



0) NL8901419A – TESTING POROUS LINING OF WELL BOREHOLE – APPLYI...

53) Family number: 8553282 (NL8901419A) © PatBase

Title: Testing porous lining of well borehole – applying pressure sensor in probe with pneumatic sealing collar

Priority: NL19890001419 19890605

Family:

Publication number	Publication date	Application number	Application date
NL8901419 A	19910102	NL19890001419	19890605

Probable Assignee: HOLLANDSCHE BETONGROEP NV

Assignee(s):(std): HOLLANDSCHE BETONGROEP NV

Assignee(s): HOLLANDSCHE BETON GROEP N V TE RIJSWIJK Z H

International class (IPC 8–9): E02D19/18 G01M3/26 G01M3/28 (Advanced/Invention); E02D19/00 G01M3/26 G01M3/28 (Core/Invention)

International class (IPC 1–7): G01F1/34

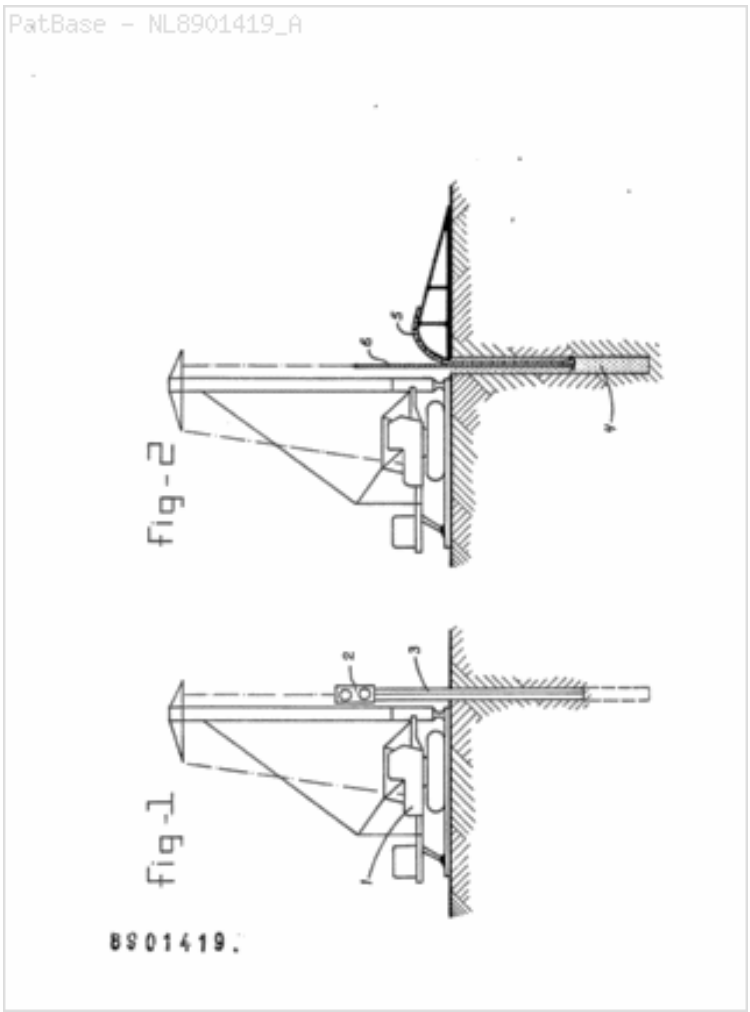
CPC: E02D19/18 E02D19/185 G01M3/26 G01M3/2853

European class: E02D19/18 E02D19/18B G01M3/26 G01M3/28D

Classification Explorer

Forward Citations: US8256268, EP0494097,

Abstract:
The method is USE to measure the water content of the porous lining of a bore hole (12). The lining is made from a mixture of concrete and high density polythene. The probe (13) has a water sensor (14) in a measuring chamber (15). The water in the bore hole enters the chamber through radial access holes (16). – When the probe has been lowered to the required position, a flexible collar (18) above the meter is inflated with compressed air to seal off the volume below it. The pressure in the bore hole below the collar is controlled via two pipes (24,25) and channels (22,23) through the probe body. The pressure is reduced to draw the water through the lining. The pressure reduction and time needed to draw the water out are used to measure the porosity. (17pp Dwg.No.6/9)



0) BR202013022597U – DISPOSICAO CONSTRUTIVA APLICADA EM LACRE COM TR...

54) Family number: 60685850 (BR202013022597U) © PatBase

Title: DISPOSICAO CONSTRUTIVA APLICADA EM LACRE COM TRAVA INTERNA PARA DETECCAO DE FRAUDE Hand CONSTRUCTIVE APPLY TO SEAL WITH LOCK FOR INTERNAL FRAUD DETECTION (Machine translation)

Priority: BR20132022597U 20130904

Family:

Publication number	Publication date	Application number	Application date
BR202013022597 U2	20150908	BR20132022597U	20130904

Probable Assignee: EMILIO LUCIANO MIRANDA E SILVA

Assignee(s):(std)**:** EMILIO LUCIANO MIRANDA E SILVA

Inventor(s):(std)**:** LPI ART 6 AND 4 DA

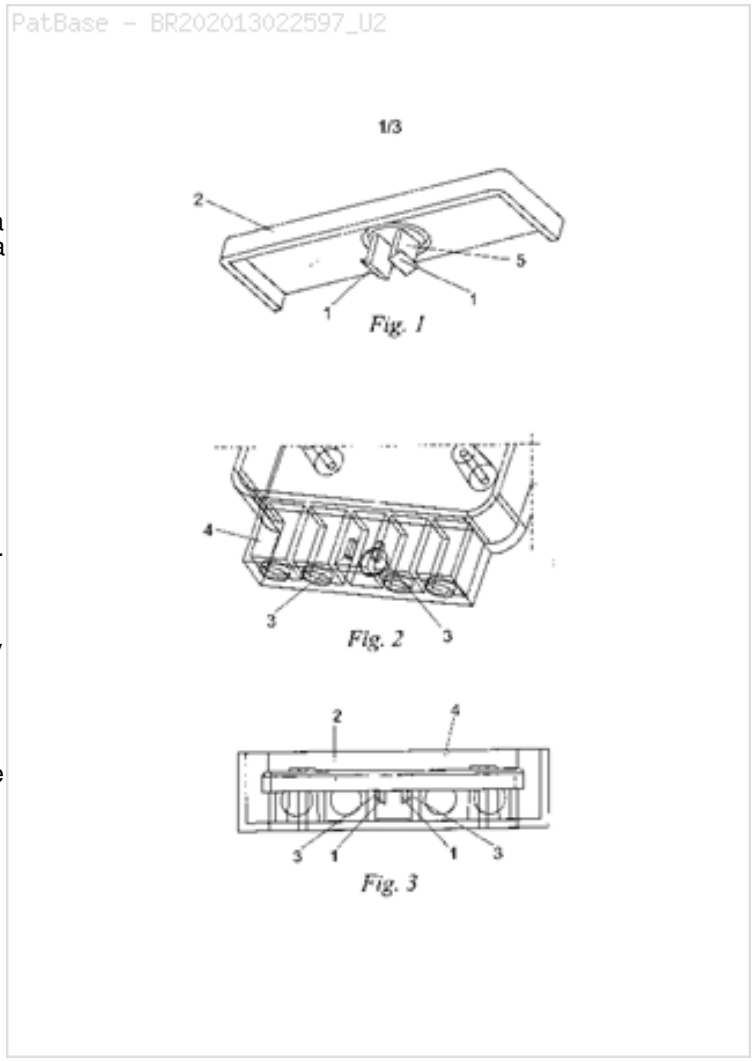
Inventor(s): ART 6 DEGREES AND 4 DA LPI

International class (IPC 8–9): G01R11/24 (Advanced/Invention)

CPC: G01R11/24

Classification Explorer

Abstract:
Source: BR202013022597U 1 RESUMO "DISPOSICAO CONSTRUTIVA APLICADA EM LACRE COM TRAVA INTERNA PARA DETECCAO DE FRAUDE". Patente de modelo de utilidade pertencjente ao campo dos 5 produtos de controle de protecao contra violacao de equipamentos de medicao de energia eletrica compreendido por uma ancora (1) moldada no corpo da tampa (2) plastica e a trava (3) no corpo (4) do equipamento, sendo que a base da ancora (1) poesui uma ranhura (5) na parte interna e, na externa, uma codificacao (6), de forma que a 10 montagem da tampa (2) e feita por aposicao frontal ao corpo (4) do equipamento, seguida de um deslizamento ate o travamento final, sendo que a base da ancora (1) possui uma rarjihura (7) eliptica na parte interna e, na externa, uma codificacao (6). 1 SUMMARY "hand CONSTRUCTIVE APPLY TO SEAL WITH LOCK DETECTION FOR INTERNAL FRAUD". Pertencjente utility model patent the field of 5 protection control products against infringement of electricity metering equipment comprised of an anchor (1) molded in the body cap (2) plastic and the latch (3) in the body (4) equipment, and the base of the anchor (1) poesui a groove (5) on the inside and on the outside a Coding (6), so that the 10 mounting the cover (2) and made by the front affixing the body (4) of the equipment, followed by a slip until the final locking, and the base of the anchor (1) has a rarjihura (7) elliptical inside and on the outside a Coding (6).



0) CH323180A – EINRICHTUNG AN FLUESSIGKEITSMESS– UND ABGABEAPP...

55) Family number: 26062621 (CH323180A)

© PatBase

Title: EINRICHTUNG AN FLUESSIGKEITSMESS– UND ABGABEAPPARATEN
ESTABLISHMENT TO FLUESSIGKEITSMESS– AND SUPPLY APPARATUS (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH323180 A	19570715		19540310

Probable Assignee: SAUSER AG

Assignee(s):(std)**:** SAUSER AG

Inventor(s):(std)**:** ADOLF WYSS

Inventor(s): WYSS ADOLF

International class (IPC 8–9): B67D7/30 (Advanced/Invention); B67D7/08 (Core/Invention)

International class (IPC 1–7): G07F15/04

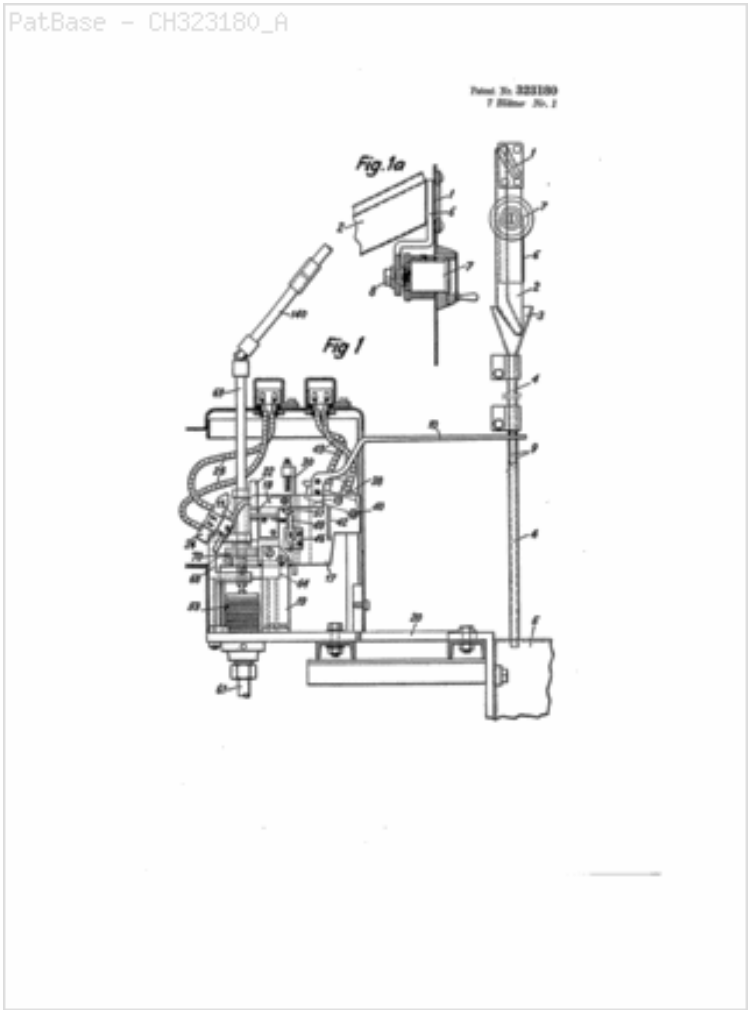
CPC: B67D7/30

European class: B67D7/30

Classification Explorer

Abstract:
Source: CH323180A (Claim 1) 1. Einrichtung nach Patentanspruch mit einer Foerderpumpe und einem Antriebsmotor, gekennzeichnet durch einen Schalthebel, der nacheinander den Kontakt (24) fuer die Ver– riegelun–seinrichtungen und anschliessend einen weiteren Kontakt (38) fuer den Antrieb des Motors schliesst.

Machine translation: (claim 1) 1 Device according to claim with a Foerderpumpe and a drive motor, characterized by a shift lever which successively the contact (24) for encryption riegelun–DEVICES and then closes a further contact (38) for driving the motor.



0) US4574883A – WELL TOOL STOPPING DEVICES, SYSTEMS AND METHODS...

56) Family number: 4975579 (US4574883A) © PatBase

Title: WELL TOOL STOPPING DEVICES, SYSTEMS AND METHODS

Priority: US19820444496 19821124

Family:

Publication number	Publication date	Application number	Application date
US4574883 A	19860311	US19820444496	19821124

Probable Assignee: OTIS ENG CO

Assignee(s):(std)**:** OTIS ENG CO

Assignee(s): OTIS ENGINEERING A CORP OF DEL CORP ; OTIS ENGINEERING CORP

Inventor(s):(std)**:** CARROLL ALBERT W ; PEARCE JOSEPH L

International class (IPC 8–9): E21B23/04 E21B23/08 E21B47/09 (Advanced/Invention); E21B23/00 E21B47/00 (Core/Invention)

International class (IPC 1–7): E21B23/04 E21B23/08

CPC: E21B23/08 E21B23/04 E21B47/09

European class: E21B23/04 E21B23/08 E21B47/09

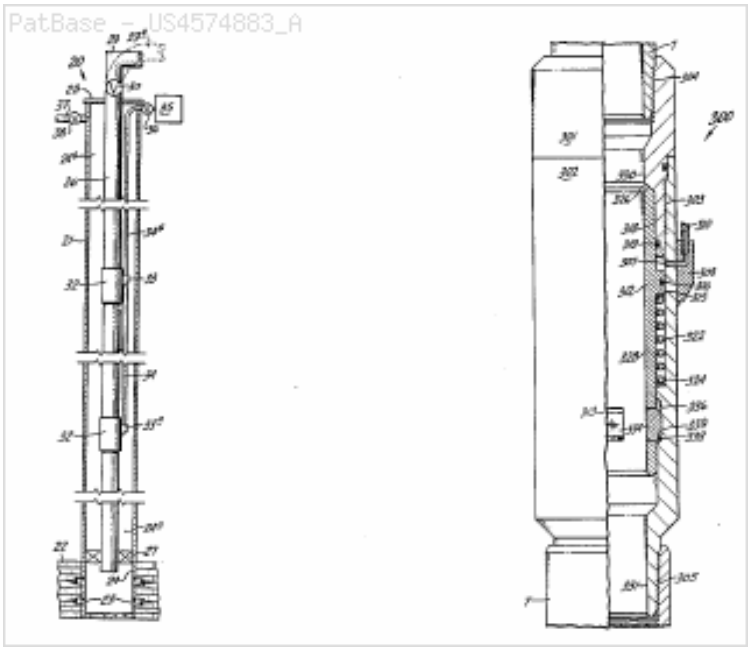
US class: 166/117.5 166/156 166/237 166/242 166/242.5 166/255 166/255.1 166/383 166/72

Classification Explorer

Cited documents: US4406325 A, US4190107 A, US4143712 A, US4126179 A, US4114694 A, US4056145 A, US4043392 A, US3937279 A, US3858650 A, US3856083 A, US3827490 A, US3744564 A, US3696868 A, US3540537 A, US3510153 A, US2673614 A, US2212594 A,

Forward Citations: WO9931348, WO9624745, WO9624745, WO0109480, US9175520, US8881833, US8464812, US8424611, US7950467, US7677304, US7080687, US6997253, US6973969, US6896051, US6868908, US6796377, US6598673, US6568474, US6206100, US5937945, US5899268, US5896924, US5868201, US5810079, US5803167, US5706892, US5639135, US5605366, US5456312, US5309988, US4804468, US4722392, US2012080231, US2011127044, US2010051285, US2008110677, US2005028985, US2004261991, US2004144536, US2004144532, US2004144531, GB2333791, GB2333791, GB2302349, EP2159370, EP0961008,

Abstract:
Source: US4574883A A tool stopping device for use in well flow conductors for stopping well tools moving therethrough, these devices being located at desired checkpoints, their arrival thereat indicating the progress of the tools in the flow conductor, each device having lugs movable between an inner, tool stopping position and an outer position in which they do not obstruct the bore of the device, each device also having a mechanism remotely actuable from the surface for moving the lugs between their outer and inner positions, whereby tools may be stopped by the lugs when in their inner position, after which the lugs may be moved to their outer position to free the tools for movement beyond the device. In some forms of the devices, the lugs may stop tools in position where they are to be locked in place. In another form, the tools are stopped by a shoulder in the device and the lugs are then contracted to anchor the tool in engagement with that shoulder. In further forms, the device has a lug which may block the slot in an orienting sleeve incorporated therein for stopping a perforating gun, kickover



tool, or the like, after being oriented, the lug being remotely retractable to a position wherein it does not block the slot, thus freeing the tool for unhindered movement therebeyond. Systems and methods relating to such devices are also disclosed.

0) US6254366B – REPLACEABLE SEAL HAVING A FRICTION FIT

57) Family number: 15421399 (US6254366B)

© PatBase

Title: Replaceable seal having a friction fit

Priority: US20000592957 20000613

Family:

Publication number	Publication date	Application number	Application date
US6254366 BA	20010703	US20000592957	20000613

Probable Assignee: DELAWARE CAPITAL FORMATION

Assignee(s):(std)**:** DOSMATIC USA INC

Assignee(s): DELAWARE CAPITAL FORMATION ; DOSMATIC USA

Inventor(s):(std)**:** GROUT EDWARD ; WALTON FRANK A ; WILLIAMS JAMES E

International class (IPC 8–9)**:** F01C19/10 (Advanced/Invention); F04C2/12 (Advanced/Non–invention); F01C19/00 (Core/Invention); F04C2/00 (Core/Non–invention)

International class (IPC 1–7)**:** F01C19/06 F01C19/08

CPC: F01C19/10 F04C2/123

European class: F01C19/10 R04C2/12B

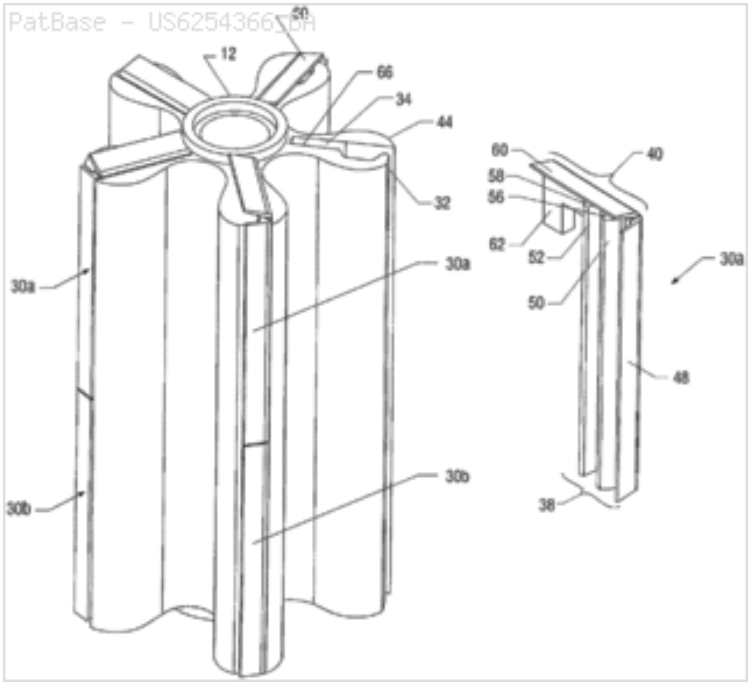
US class: 277/357 277/402 418/114 418/119 418/206.6

Classification Explorer

Cited documents: US3799710 A, US3690791 A, US219984 A, US1005586 A,

Forward Citations: WO16209868, US7314590, US7163449, US2007063451, US2006276112,

Abstract:
Source: US6254366B A replaceable seal for a rotor in a rotary fluid machine has a unitary body with integrally formed longitudinal and radial seal portions secured by a friction fit in grooves in the rotor. The longitudinal seal portion includes an outwardly biased seal lip, and an elongated body portion fitting within the groove in the rotor. The elongated body portion has a pair of anchor elements connected by a flat arm element. The radial seal portion has an outwardly biased seal lip, and a retainer post securing the seal in a cavity in the rotor.



0) CO7420248A – GABINETE PROTECTOR DE DISPOSITIVOS DE MEDIDA U ...

58) Family number: 61181695 (CO7420248A) © PatBase

Title:	GABINETE PROTECTOR DE DISPOSITIVOS DE MEDIDA U OPERACION DE FLUJO CABINET PROTECTIVE DEVICES OR PROCEDURE FLOW MEASUREMENT (Machine translation)
Priority:	CO20150153610 20150706

Family:

Publication number	Publication date	Application number	Application date
CO7420248 A1	20151020	CO20150153610	20150706

Probable Assignee:	ELECTROMECHANICAL TRADING INC REPRESENTACIONES ELECTROMECANICAS SA
Assignee(s):	ELECTROMECHANICAL TRADING INC REPRESENTACIONES ELECTROMECANICAS SA
Inventor(s):	JAIME LEON ORTIZ TAMAYO
Agent(s):	LUIS EDUARDO QUINTERO VARGAS
International class (IPC 8–9):	B01L1/02 (Advanced/Invention)

Classification Explorer

Abstract:
Source: CO7420248A Resumen La presente invenci¨(R)n se refiere a un gabinete protector de dispositivos de medida u operaci¨(R)n de flujo (1),conformado por; un compartimiento (2) en forma de paralelep¨ªpedo rectangular, cuyos pianos est¨¢n formados por una pared de respaldo (2a), un marco (2a¡¯)£¬una pared (2b), paredes {2C, 2c£¬)£»una compuerta principal (3) en forma de pared poligonal, que posee una ventanilla (5), una ventanilla (6), una subtapa (6a) asociada a la ventanilla (6), un tubo de seguridad¡ 9) fundido en un solo cuerpo con dicha compuerta principal (3), situado dicho tubo en una ranura (3a) hacia el interior del gabinete protector (1) y en el que s¨¦ incorpora un elemento de ajuste de cierre mec¨¢nico (7) y un sello de seguridad; y una cavidad (4); dicho gabinete protector de dispositivos de medida de flujo u operaci¨(R)n (1)en su conjunto es de policarbonato reforzado del tipo reciclado, virgen o una combinaci¨(R)n de estos. Summary This invenci¨ (R) n refers to a protective cabinet or trade measurement devices (R) n Flow (1), comprising; a compartment (2) in the form of rectangular paralelep¨ªpedo whose pianos ¢ n is formed by a back wall (2a), a frame (2a¡¯) £ ¬una wall (2b) walls {2C, 2c £ ¬) £ »a main gate (3) polygonal–shaped wall which has a window (5), a window (6), a subtapa (6a) associated with the window (6), a tube seguridad¡ 9) melted into a single body with said main lock (3), said tube located in a slot (3a) into the protective cabinet (1) and in which s¨¦ incorporates an adjustment element of mech ¢ nico (7) and a security seal; and a cavity (4); said protective cabinet flow measurement devices or Trade (R) n (1) as a whole is reinforced polycarbonate type of recycling, virgin or a combination (R) n of these.

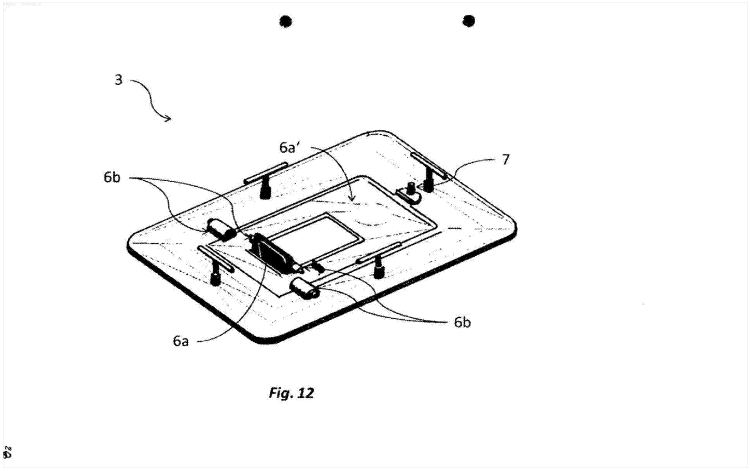


Fig. 12

59) Family number: 20022438 (GB688030A)

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Title:	Improvements in or relating to liquid measuring and dispensing apparatus
Priority:	GB19490028188 19491103

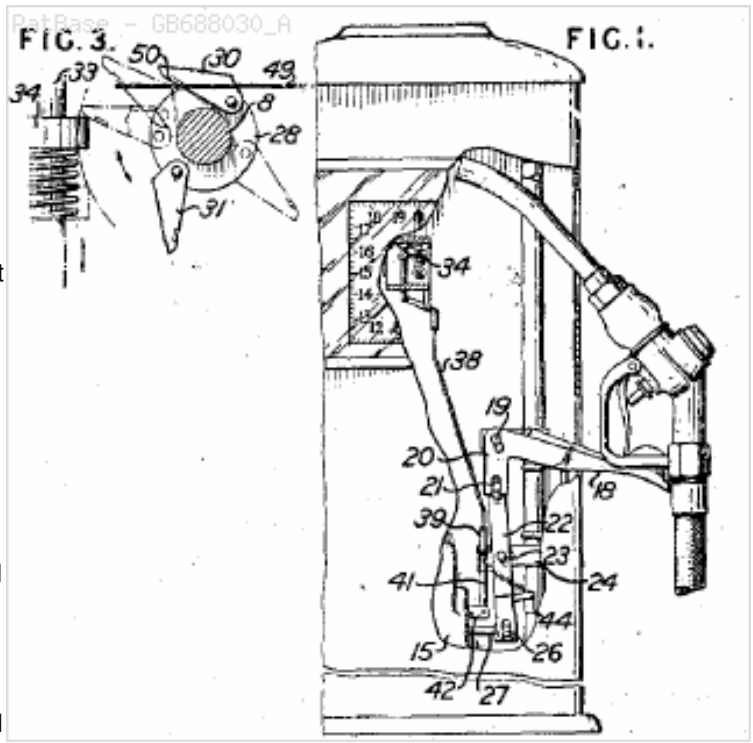
Family:

Publication number	Publication date	Application number	Application date
GB688030 A	19530225	GB19490028188	19491103

Probable Assignee:	PARKWOOD ENGINEERING CO LTD
Assignee(s):(std):	PARKWOOD ENGINEERING CO LTD
Assignee(s):	PARKWOOD ENGINEERING CO LIMITED
Inventor(s):(std):	GODDARD HENRY FREDERICK
International class (IPC 8–9):	B67D7/08 (Advanced/Invention)
International class (IPC 1–7):	B67D5/08
CPC:	B67D7/08
European class:	42E21D B67D7/08

Classification Explorer

Abstract:
Source: GB688030A 688,030.
Liquid–dispensing apparatus. PARKWOOD ENGINEERING CO., Ltd. Oct. 20, 1950 [Nov. 3, 1949], No. 28188/49. Class 116
Liquid–dispensing apparatus is provided with means for interrupting the discharge of liquid after an approximately predetermined quantity has been dispensed and irrespective of the total quantity to be delivered. In a petrol pump, Fig. 1, the nozzle rests on a lever 18 pivoted at 19 and having a bifurcated part 20 engaging a pin 21 on a lever 22 pivoted at 23 to a bracket 24. The lever has a bifurcated end engaging a pin 26 on a motor actuating switch rod 27 shown in the closed position. A collar 28 adjustably mounted on the total units rod 8 of the indicating mechanism carries spaced pawls 30, 31, so positioned to engage a collar 34 on a rod 33 as the rod 8 rotates. The collar 34 is spring urged upwardly and connected by a pivoted rod to a rod 38 and lever 39, the end of which engages a throw–out lever 41 pivoted to a bracket 42 on the motor 15. Pawls 30 and 31 (Fig. 3) are pivoted on the collar 28 and are maintained in outwardly projecting position by a spring 49 above the rod 8 which engages a lug 50 on the pawl. As the rod rotates further, the pawl engages the collar and lowers the rod 33, which in turn raises the rod 38 thus releasing the throw–out lever 4 which is connected by a spring to a bracket 44 on the lever 22. As the throwout lever 41 rotates under the action of the spring the lever 22 is also rotated to move the rod 42 outwardly to open the motor switch. To recommence delivery, the arm 18 is raised causing the arm 22 to pivot to move the rod 27 inwardly and to close the motor switch and to force the throw–out lever upwardly to restore the lug to its original position the pawl having passed the lug. The pawls and collar may be adjustably mounted on the total units rod so that delivery is stopped at any required amount. In a modification a bar with a shoulder may be used instead of the rod 33, and collar 34, the pawls may be rigid with the collar or the pawls could be arranged to strike the underside and lift the lever 38. directly. Specification 645,603, [Group XXXV], is referred to.



0) BRPI1002974A – DISPOSITIVO DE LACRE APLICADO EM ABERTURA DE AC...

60) Family number: 49782669 (BRPI1002974A)

© PatBase

Title: dispositivo de lacre aplicado em abertura de acesso para o mecanismo regulador embarcado em aparelhos de leitura e afericao de consumo de agua, gas e correlatos e processo de aplicacao do dispositivo de lacre Device applied to seal the access opening to the regulatory mechanism embedded in the reading devices and measurement of water consumption, gas and related process and device application of seal (Machine translation)

Priority: BR2010PI02974 20100823

Family:

Publication number	Publication date	Application number	Application date
BRPI1002974 A2	20111011	BR2010PI02974	20100823

Probable Assignee: LICEU DE ARTES E OFICIOS DE SAO PAULO

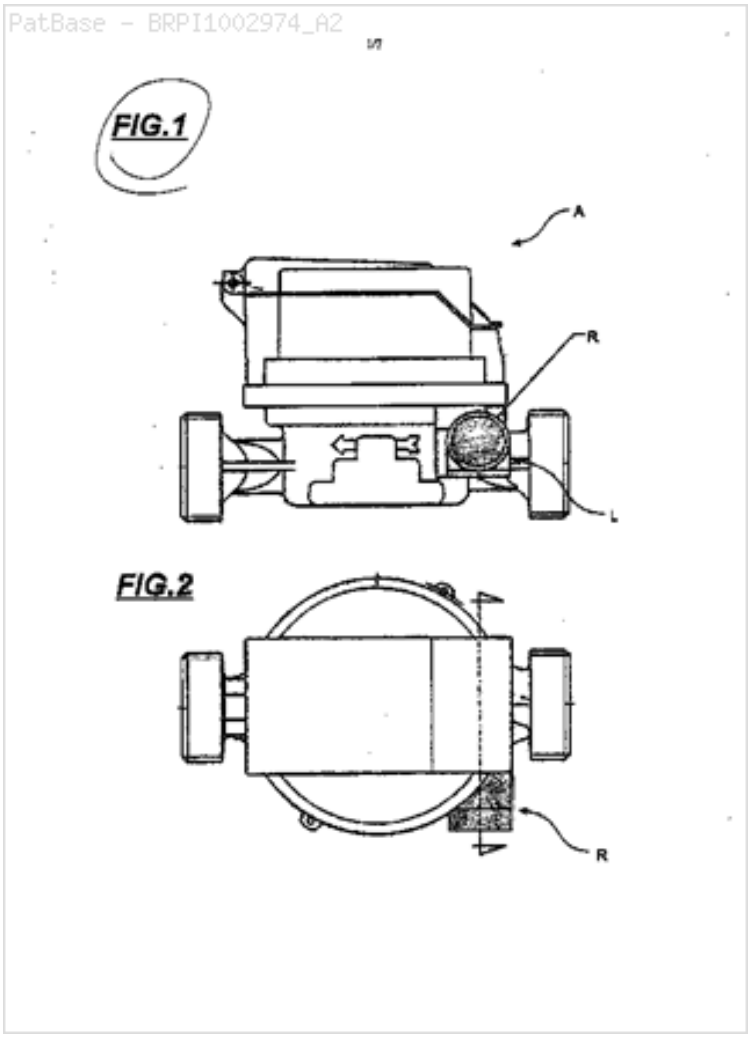
Assignee(s):(std)**:** LICEU DE ARTES E OFICIOS DE SAO PAULO

Inventor(s):(std)**:** NEIRA FABIO GARCIA

Inventor(s): FABIO GARCIA NEIRA

International class (IPC 8–9): F16J15/18 F16K35/06 (Advanced/Invention)

Classification Explorer



Abstract:
Source: BRPI1002974A 1 Pi loo a# 145 /•– RESUMO DE PATENTE INVENCAO "DISPOSITIVO DE LACRE APLICADO EM ABERTURA DE ACESSO PARA O MECANISMO REGULADOR EMBARCADO EM APARELHOS DE LEITU– RA E AFERICAO DE CONSUMO DE AGUA, GAS E CORRELATOS E PRO– 5 CESSO DE APLICACAO DO DISPOSITIVO DE LACRE" representado por uma solucao inventiva em lacre que nao requer a utilizacao do fio de lacre, do lacre padronizado tipo ancora e da sacrificada operacao de amarracao do dito fio, onde este inedito dispositivo e composto por um tampao (1) aplicado a a– bertura (r1) do regulador (R), sendo este sobreposto por uma capa (2), onde na io regiao de conexao do corpo cilindrico (1a) e da cabeca conica (1b) do tampao (1) adere um anel elastico (3), o qual fica pressionado entre a nervura anelar (2b) da capa (2) e a borda (4b) da tampa (4), sendo que tal condicao de com– pressao e isolamento e garantida pelo travamento definitivo da tampa (4) obti– do pela montagem da protusao anelar (4c) com o degrau (2e) definido no inte– 15 rior da capa (2), onde esta operacao e provida de caracteristica distintiva de ergonomia de instalacao, que converge em maior facilidade na lacracao e me– nor sofrimento do operador. 1 Pi the loo # 145 / • – Summary of invention patent "SEAL DEVICE USED IN ACCESS OPENING FOR GOVERNOR MECHANISM IN BOARDED APPLIANCES LEITU– RA AND WATER CONSUMPTION scouting, GAS AND RELATED AND PRO–5 CCESS OF APPLICATION THE SEAL DEVICE "represented by an inventive solution in seal that does not require the utilization of the seal wire, the standard type anchors seal and sacrificed operation of mooring said yarn where this inedito device and consists of a tampon (1) applied PENING A– (R1) of the regulator (R), which is overlapped by a cover (2) where io in the connection region of the cylindrical body (1a) and conical head (1b) of

the tampon (1) adheres to a ring elastic (3), which is pressed between the annular rib (2b) of the cover (2) and the edge (4b) of the lid (4), whereby such condition of compression and final isolation and guaranteed by the locking of cap (4) obtained by the fitting of the annular protrusion (4c) to the step (2e) defined in the inside front cover 15 integral (2) where this operation is provided with distinctive feature of installation ergonomics, which converges in ease Sealing in and lesser suffering of the operator.

0) GB463147A – IMPROVEMENTS RELATING TO LIQUID DISPENSING APPA...

61) Family number: 20927436 (GB463147A)

© PatBase

Title: Improvements relating to liquid dispensing apparatus

Family:

Publication number	Publication date	Application number	Application date
GB463147 A	19370323	GB19360003760	19360207

Probable Assignee: GILBERT AND BARKER MANFG CO

Assignee(s):(std)**:** GILBERT AND BARKER MANFG CO

International class (IPC 8–9): B67D7/16 (Advanced/Invention)

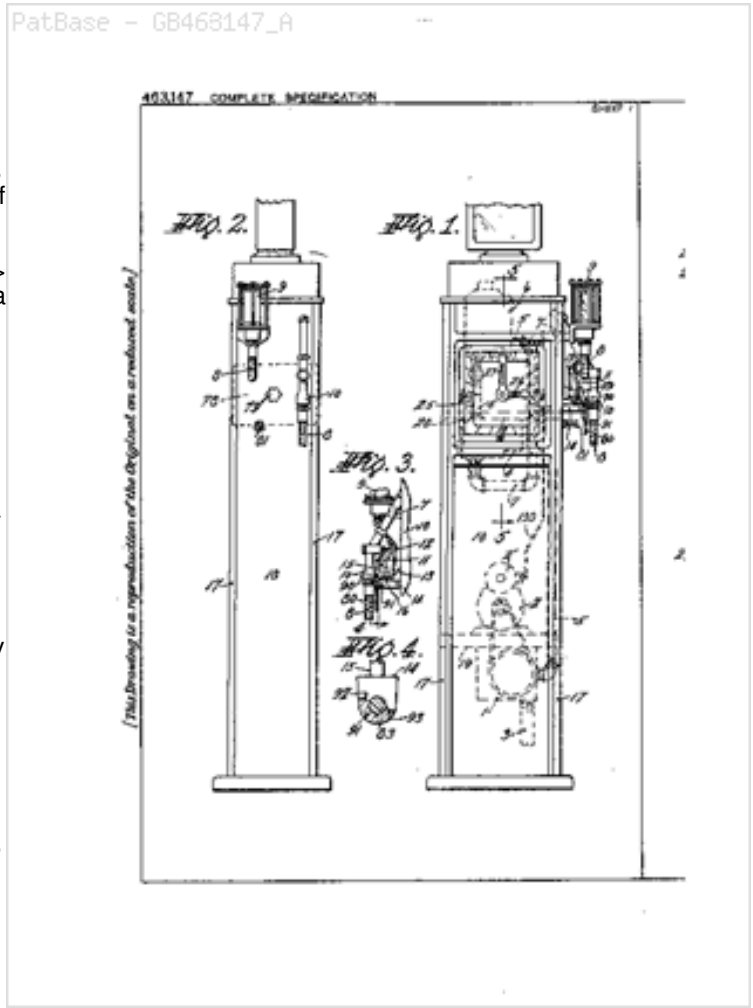
International class (IPC 1–7): B67D5/16

CPC: B67D7/16

European class: 42E21D B67D7/16

Classification Explorer

Abstract:
Source: GB463147A 463,147. Dispensing petrol and c. GILBERT and BARKER MANFG. CO. Feb. 7, 1936, No. 3760. Convention date, Feb. 23, 1935. [Class 116] Apparatus of flow–meter type for dispensing liquid fuel and c. has a motor 2 driving a pump 1 which draws liquid through a pipe 3 and delivers it by way of a pipe 5, air and vapour separator 6, and meter 4, to a sight–flow indicator 9 and hose 8 with delivery nozzle 10. The motor switch 2<1> is closed by a manually–controlled lever after a locking mechanism for the lever has been released by zeroizing the indicators and continuing the motion of the resetting means after zeroizing. The switch is opened to stop the pump either manually or by an automatic mechanism which operates when a predetermined maximum quantity of liquid has been delivered. The fractions indicator 27, Fig. 5, is mounted on a shaft 32 which is frictionally driven by a sleeve coupled by spiral gearing 40, 41 to the meter–driven shaft 37. The units indicator 26 is mounted on a sleeve 36 geared to a shaft 31 which is frictionally driven by a sleeve coupled to the meter–driven shaft 37 by worm gearing 42, 43. The sleeves are frictionally held, to prevent over–running of the indicators, by straps 51, the pressure of which is regulated by a screw–and–nut gear 52,53. Zeroizing–mechanism. The indicators are zeroized by rotation of a knob 79, Fig. 13, which turns a shaft 65 on which is mounted a bevel gear 64, Fig. 5, meshing with a wheel 63 which is loose on the shaft 32 but which drives a cam 69 fast on the shaft 32, in one direction only, through a pawl 68. The shaft 32 carries a cam 56, which, on zeroizing movement of the shaft 32, engages a pawl mounted on a disc 55 free on the shaft 32, the disc 55 being coupled by a sleeve 32<1> with the sleeve 36. Thus both indicators are zeroized, a pawl 58 arresting the disc 55 in the zero position. Starting – lever locking mechanism. The motor switch is actuated by a rod 130, Fig. 13, pivoted to a lever 128 whose movements are controlled by a cam–shaft 88 coupled by bevel gearing to a shaft which is rocked by a handlever. The lever 128 is pivoted at 129' to a bell–crank lever 126 positively rocked in both directions about a fixed pivot 127 by a cam 124, and the free end of the lever 128 is held in alignment with, but quite separate from the pivot 127 by a latch 133 under the control of a rod 155 governed by a stop 159, Fig. 17, on a maximum quantity determining disc 142



which is driven through a clutch by a shaft 77 coupled through spiral–and–spur gearing 72, 70, Fig. 5, to the meter driven shaft 37. The rocking of the cam 124 by the hand–control lever, actuates the lever 128 and bell–crank 126 as a unit to close the switch to start the motor, but when the rod 155 is lifted at the end of the delivery of a predetermined maximum quantity of liquid, the latch is tripped and the lever 128 swings clockwise about the pivot 129 to open the switch and stop the motor. The release of the cam–shaft, and hence of the starting–lever, to initiate delivery is effected by continued rotation of the re–setting knob 79, Fig. 13, after the pointers have been zeroized, such continued rotation causing a cam 99 on the knob to advance a collar 102, thereby rocking a bell–crank lever 107 and lifting a stop 109 clear of a lever 110 whose lower end carries a roller 1101 engaging a cam 114 having three concentric steps 113, 114, 115 of progressively increasing radii. The lifting of the stop 109 by the resetting knob, allows a spring–pressed latch 120 to rotate clockwise under the lug 109 and to support it while the camshaft is rotated by the hand lever to start the motor. A pin 121 on the lever 110 trips the latch from under the stop 109 so that on the return movement of the starting handle the stop 109 descends on to a portion 122 of the lever 110 and so prevents more than a limited angular movement of the lever 110 insufficient to re–start the pump, without first zeroizing the pointers. The transmission between the zeroizing knob 79 and the indicators is interrupted after zeroizing and prior to actuation of the pump by a fork 123 on the lever 110, this fork actuating a sleeve 95 when the roller 1101 passes on to the second cam step 114 as a result of the rotation of the cam–shaft, in order to slide the shaft 65 axially and thus disengage the gear 64, Fig. 5, from the gear 63. Limiting mechanism for delivery of a predetermined maximum quantity. The shaft 77 driven by the meter–driven shaft 37 drives a disc 142, Fig. 10, against the resistance of a clock–spring 149 anchored to a fixed but adjustable barrel 145, by means of a friction clutch 140, 141 which is normally engaged but which may be disengaged by a lever 166, Fig. 17. The disc 142 carries a pin 159 which actuates the latch–tripping gear 155 after predetermined angular movement of the shaft 77, the quantity delivered being determined by the angular setting of the barrel 145, Fig. 10, effected by the insertion of the pin 146 in a selected one of a number of circularly positioned holes 147. The tripping of the latch 133 and consequent stoppage of the motor results in the rotation about the cam–shaft 88 of a bell–crank lever 161, Fig. 17, carrying a cam 165, by means of a spring 162, the cam 165 thereby operating the lever 166 to disengage the clutch 140, 141 thus allowing the disc 142 to return under the influence of the clock–spring 149 to initial position. A similar quantity of liquid may be delivered without resetting the indicators by means of a plunger 81 which actuates the bellcrank lever 161 to allow the clutch 140, 141 to re–engage and, at the same time, returns the lever 128 to switch–closing position to start the pump by a link 160, the gear being held in this position by the latch 133. A cam 168 fast on the cam–shaft 88 is adapted to actuate the lever 166 to disengage the clutch 140, 141 in case the pump is stopped by movement of the hand–lever before the delivery of the predetermined maximum quantity, the cam being so designed that the clutch is disengaged after the opening of the starting switch and reengaged before the closing of the switch. The hose nozzle is adapted to be padlocked to its support and when so secured prevents opening of the nozzle valve and also prevents any substantial movement of the starting handlever.

62) Family number: 18678204 (GB426266A)

© PatBase

Title: Improvements relating to indicating mechanism for liquid measuring and dispensing apparatus

Priority: GB19330026264 19330923

Family:

Publication number	Publication date	Application number	Application date
GB426266 A	19350325	GB19330026264	19330923

Probable Assignee: JOHN FRASER

Assignee(s):(std): AVERY HARDOLL LTD ; JOHN FRASER

Assignee(s): AVERY HARDOLL LIMITED

International class (IPC 8–9): G01F11/00 (Advanced/Invention)

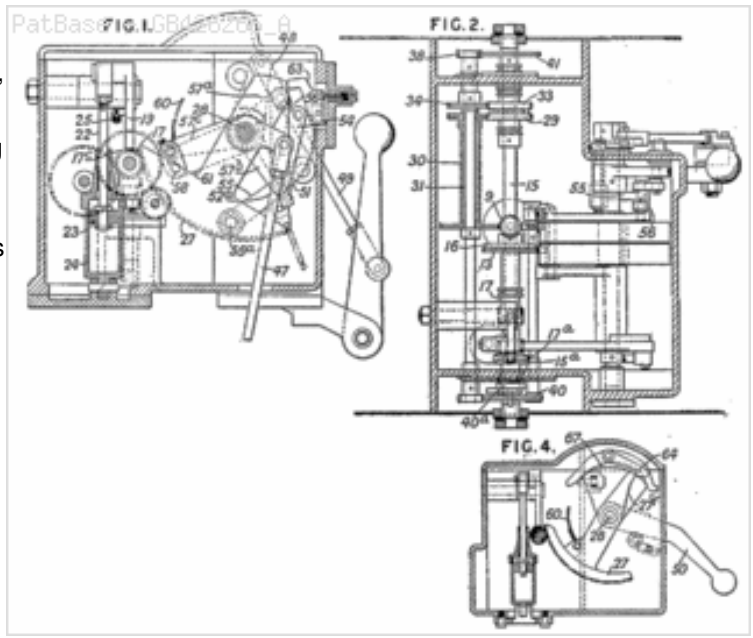
International class (IPC 1–7): G01F13/00

CPC: G01F11/00

European class: 42E21D G01F11/00

Classification Explorer

Abstract:
Source: GB426266A 426,266. Petrol and c. pumps. AVERYHARDOLL, Ltd., and FRASER, J., Avery House, Clerkenwell Green, London. Sept. 23, 1933, No. 26264. [Class 116] [See also Group XIX] In meter pumps for measuring and dispensing petrol and c., means are provided for automatically zeroizing the indicating mechanism on actuating a member to start the pump driving – motor. The fractions pointers are mounted directly on a shaft 15, which is normally driven during delivery by frictional engagement between a disc 16 on the shaft and a wheel 13 driven through gearing by the spindle of the flow meter (not shown). The units pointers are mounted on sleeves driven by wheels 41, gearing 38, 34 and frictionallyengaging wheels 33, 29 from a sleeve 30 driven by a worm 9 on the flow meter spindle. The wheels 13, 16 and 29, 33 are held in driving engagement during delivery by the thrust of a quadrant 19, Fig. 1, gearing with a sleeve 17 on the shaft 15, the quadrant being influenced by a spring 25 and being provided with a dashpot control 22, 23, 24. On starting a delivery operation, by actuation of a handle as described below, a sector 27 is rotated, thereby rotating a wheel 17 on the sleeve 17 and thus advancing the sleeve axially. The axial movement of the sleeve brings a friction disc 17 on the sleeve into engagement with a disc 15 on the shaft 15 which is moved axially for a short distance thus disengaging the wheels 13, 16 and 29, 33 so that, on further movement of the sector 27, the rotation of the shaft 15 zeroizes the fractions pointers. The axial displacement of the shaft 15 brings an arm 40 thereon into the path of a pin, (not shown), on the pinion 40, so that when the zeroizing movement of the fractions shaft 15 takes place, the pinion 40, shaft 31 and gear 38 are also rotated to zeroize the units pointers. The movement of the sector 27 to bring about the above described zeroizing movements, is effected by energy stored in clock springs 60 during the first part of the movement of the starting handle 50, this handle being linked at 49 to a crank 48 on a shaft 28 which is also linked to a rod 47 actuating the pump–motor starting–switch. A toothed quadrant 51, fast on the shaft 28 wipes over a double–acting spring–held pawl 52 which prevents unintentional movement of the shaft 28 and ensures a full movement of the handle 50 in each direction being made before any return of the handle is possible. The quadrant 51 is linked at 54 both to a radius link 55 swinging about a fixed pivot 55a, and to a link 56 coupled to one arm 57a of a three–armed lever 57a, 57b, 57 on the shaft 28. The clock springs 60 are coupled at their inner ends to the hub of the three–armed lever, and at their outer ends to a plate 61 which moves only with the sector 27. A spring–pressed pawl 63 retains the sector 27 stationary while the handle 50 is moved through the



first part of its movement to start the motor and to tension the springs 60, but when the arm 57b engages a pin 58 on the plate 61, the sector is positively moved past the pawl 63 and then completes its movement to zeroize the indicators, by energy stored in the springs 60. On stopping the motor, the arm 57 of the three−armed lever re−sets the sector 27. According to a modification, the handle 50, Fig. 4, may be mounted directly on a shaft 28 to which the clock springs 60 are anchored, the sector 27 having an arm 27 engaging a catch 64 to enable the springs to be tensioned during movement of the handle 50 to start the motor. The shaft 28 has a sector 67 which trips the catch 64 to initiate zeroizing. Specification 412,242 is referred to.

0) BR202012005286U – CAIXA PARA INSTALACAO DE HIDROMETROS BOX FOR I...

63) Family number: 55109122 (BR202012005286U) © PatBase

Title:	CAIXA PARA INSTALACAO DE HIDROMETROS BOX FOR INSTALLATION Hydrometer (Machine translation)
Priority:	BR20122005286U 20120309

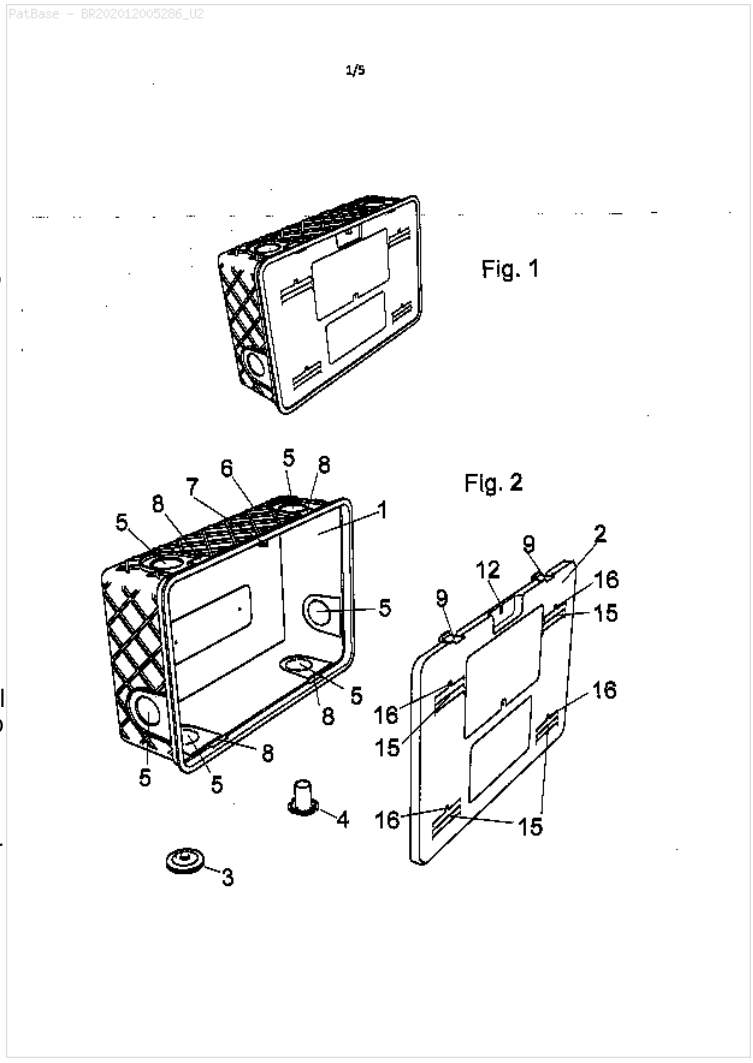
Family:

Publication number	Publication date	Application number	Application date
BR202012005286 U2	20131029	BR20122005286U	20120309

Probable Assignee:	PRECIS IND DE CONJUNTOS PLASTICOS LTDA EPP
Assignee(s):(std):	PRECIS IND DE CONJUNTOS PLASTICOS LTDA EPP
Assignee(s):	PRECIS INDUSTRIA DE CONJUNTOS PLASTICOS LTDA EPP
Inventor(s):(std):	BELUATTI DANIEL
Inventor(s):	DANIEL BELUATTI
International class (IPC 8–9):	G01F15/14 (Advanced/Invention)

Classification Explorer

Abstract:
Source: BR202012005286U CAIXA PARA INSTALACAO DE HIDROMETROS, Patente de modelo de utilidade para uma , que e compreendida por um corpo retangular 1, possuindo este, seis posicoes de conexao optativas 5, fechadas por tampas estraibles, nervuras de retencao em quadricula 6, em todas as superficies externas, uma costela com funro transversal 7, para passagem do arame do lacre, quatro alojamentos internos 8, para fixacao da tampa, e uma tampa de fechamento transparente 2, na qual distinguimos dois clipes de fechamento 9, os rebaixo 10, para insercao de uma chave de fenda para abertura, uma abertura 12, para passagem da costela 7, um rebaixo 13, para alojamento do lacre, dose aberturas 15, para ventilacao interna, quatro aberturas 16, para passagem de sensores varios, os demais o conjuntos vem previsto de uma vedacao flexivel 3, para a conexao de entrada, e um conector de guia rigido 4,para a conexao de saida. BOX FOR INSTALLATION water meters, patent for a utility model, which is comprised of a rectangular body 1, having this six positions for optional connection 5, closed by lids estraibles, ribs retention in raster 6 in all The external surfaces, one transverse rib funro 7 for passage of the seal wire, four internal accommodation 8 for fixation of the cover and a transparent cover plate 2, which distinguish two closing clips 9 the recess 10 for insertion of a screwdriver for opening, an opening 12 for passage of the rib 7, a recess 13 for housing the seal, dose 15 openings for internal ventilation, four openings 16 for passage of several sensors, the other sets has provided a flexible seal 3, the connection to the input connector and a rigid guide 4 for output connection.



0) US3971251A – DYNAMICALLY BALANCED APPARATUS FOR WATER BORNE ...

64) Family number: 1306706 (US3971251A) © PatBase

Title: Dynamically balanced apparatus for water borne instruments

Priority: US19750568556 19750416

Family:

Publication number	Publication date	Application number	Application date
US3971251 A	19760727	US19750568556	19750416

Probable Assignee: NISKIN SHALE J

Assignee(s):(std)**:** NISKIN SHALE J

Inventor(s):(std)**:** NISKIN SHALE J

International class (IPC 8–9): G01C13/00 G01P13/02 G01P5/00 (Advanced/Invention); G01C13/00 G01P13/02 G01P5/00 (Core/Invention)

International class (IPC 1–7): G01D21/00

CPC: G01C13/006 G01P5/00 G01P13/02

European class: G01C13/00A2 G01P13/02 G01P5/00

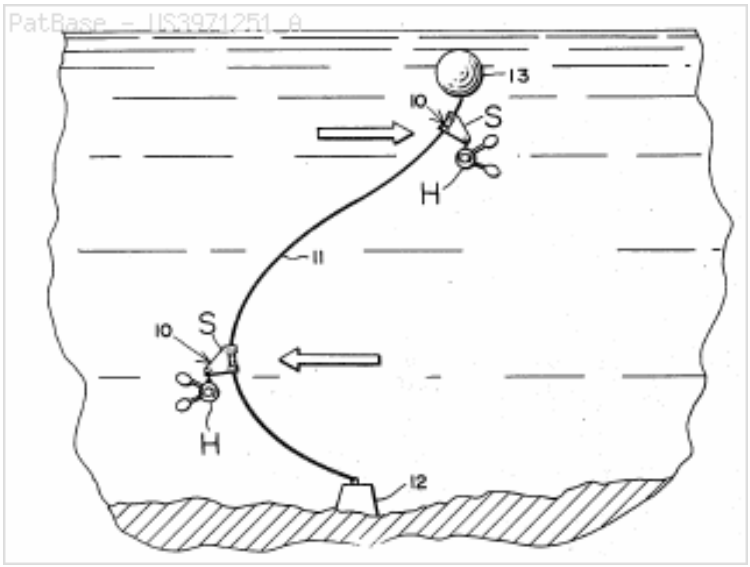
US class: 73/170.08 73/170.29 73/170A

Classification Explorer

Cited documents: US3760761, US3144848,

Forward Citations: US4307605, US4121454, US4091666, EP0540773, EP0141494,

Abstract:
Source: US3971251A A dynamically balanced apparatus for water borne instruments such as current direction and velocity meters having a stand off support rotatably secured to a cable whose lower end is anchored and its upper end attached to a buoy. A swivelled connector extends from the free end of the stand off to the mid–portion of an elongated cylindrical housing, the latter being rotatably mounted to the connector and weighted along its lower portion whereby the housing assumes a normal predetermined horizontal position at all times. A duct symmetrically disposed at each end of the housing and a water velocity and direction member mounted in each of the ducts. A pair of rudders extending rearwardly of the connector whereby the housing is constantly maintained in a direction facing the current and the ducts in a horizontal position for recording the direction and velocity of the current accurately.



0) US3237476A – AUTOMATIC POWER TRANSMISSION MECHANISM

65) Family number: 22892478 (US3237476A) © PatBase

Title: AUTOMATIC POWER TRANSMISSION MECHANISM

Priority: US19560606897 19560829 US19630257509 19630211

Family:

Publication number	Publication date	Application number	Application date
GB835327 A	19600518	GB19570027136	19570828
US3078740 A	19630226	US19560606897	19560829
US3237476 A	19660301	US19630257509	19630211

Probable Assignee: FORD MOTOR CO

Assignee(s):(std): FORD MOTOR CO

Assignee(s): FORD MOTOR CO LTD ; FORD MOTOR COMPANY ; FORD MOTOR COMPANY LIMITED

Inventor(s):(std): JANDASEK VLADIMIR J

International class (IPC 8–9): F16H47/08 F16H61/00 F16H61/06 (Advanced/Invention); F16H61/02 F16H61/18 (Advanced/Non–invention); F16H47/00 F16H61/00 F16H61/06 (Core/Invention); F16H61/02 F16H61/18 (Core/Non–invention)

International class (IPC 1–7): B60K17/06 B60K41/06 F16H47/06 F16H5/18

CPC: Y10S74/01 F16H61/065 F16H61/18 F16H2061/0288 Y10T477/633 F16H61/0025 F16H47/08 Y10T477/6937

European class: F16H47/08 F16H61/00K1 F16H61/06H R16H61/02H4R R16H61/18

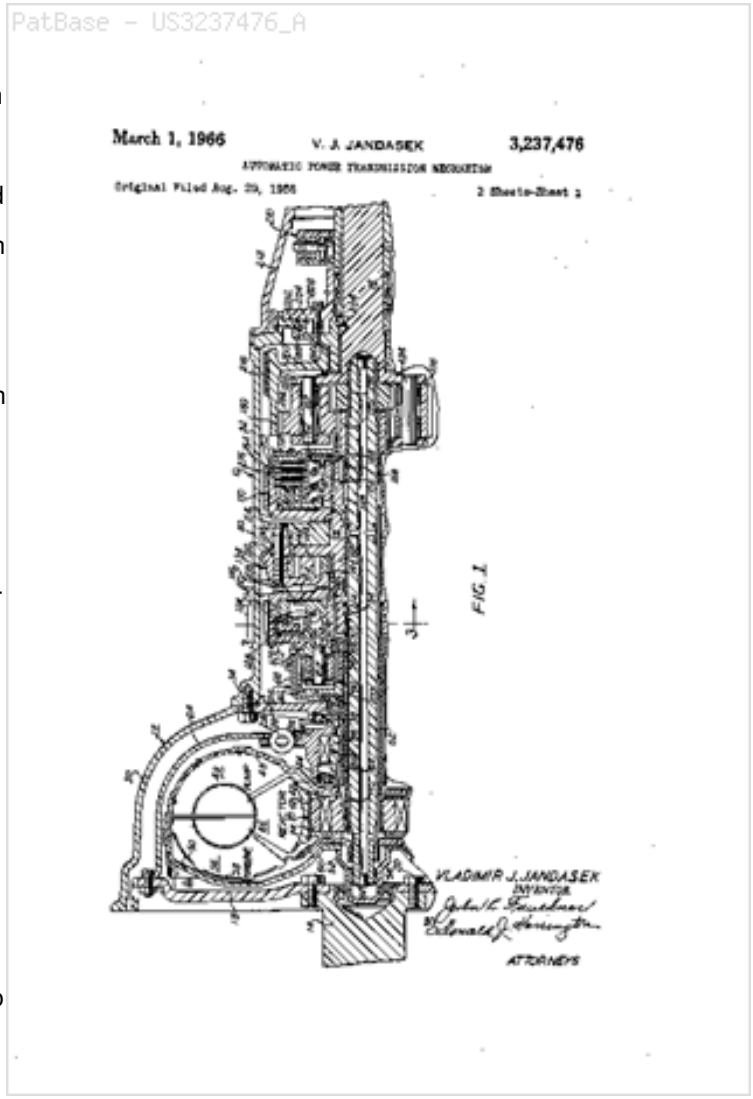
US class: 475/137 475/275 475/60 477/143 477/53 74/DIG.1

Classification Explorer

Cited documents: US3023636 A, US2949794 A, US2934976 A, US2893261 A, US2888834 A, US2882756 A, US2876656 A, US2875643 A, US2655054 A, US2612791 A, US2592538 A,

Forward Citations: USRE33707, US5667451, US4794772, US4452099, US4324156, US4324154, US4313354, US4309919, US4296652, US4274307, US4274303, US4043223, US3405575, FR2434973, FR2434972, FR2434313, FR2008394,

PatBase - US3237476_A



Abstract:
Source: GB835327A 835,327. Change–speed gear. FORD MOTOR CO. Ltd. Aug. 28, 1957 [Aug. 29, 1956], No. 27136/57. Class 80 (2). In a three–speed and reverse gear on a vehicle, comprising front and rear planet trains in series, controlled automatically by clutches and brakes engaged by fluid pressure supplied by input– and output–driven gear pumps 134, 202, the input pump 134 is driven by a reaction sun 106 of the front train, which sun is stationed in the highest ratio (overdrive), thus saving power. Function summary.–A manual selector valve 243 provides, in addition to neutral N, reverse R and a fixed low L, two drive ranges, one D–1 giving automatic shift, in response to opposing vehicle speed and accelerator pedal setting, between all three forward ratios, the other D–2 automatic shift between the first two ratios only. 3–2 and 2–1 accelerator kick–down shifts are provided, the latter subject to a speed–sensitive timer valve 305 which permits the engine more free time to accelerate when 2–1 down shifting at higher vehicle speeds. Closed throttle automatic 2–1 downshifts are similarly timed by a throttle–sensitive timer valve 287 which permits more free engine time at low throttle openings. An accumulator 297 causes gradual application and release of a low brake 216 during shift. Servo pressure increases with torque demand and is augmented in reverse, Line pressure operates at 314 a park–pawl inhibitor (not shown). Gear arrangement.–The two series planetary trains provide over–, direct–, reduced–drive and one reduced reverse. An hydrodynamic torque converter transmits the whole of the torque between the trains and is always effective. The front train, having a planet carrier 96 directly connected to a shell 12 fast on an engine crankshaft 14, overdrives the impeller 49 of the torque converter through its ring–gear when a front band brake 214 is applied to its reaction sun 106. Direct drive to the impeller 49 is through a one–way clutch 86 which overruns during overdrive but which, in direct drive in the front train, is prevented from overrunning by locking up the front train by engaging a front clutch 122 connecting the reaction sun 106 and the planet carrier 96. Drive to the rear train passes from the turbine 56 of the torque converter through a central shaft to a sun 178. The rear train comprises intermeshed planets carried by the final output shaft 16, and provides reduced ratio when a centre band brake 216 is applied to a reaction sun 170; direct drive when a rear clutch 150 is engaged to connect the two suns 170, 178; and reverse when a rear band brake 218 is applied to a ring gear 180. Overall ratios are: first, direct–reduced, clutch 122 and brake 216; second, direct–direct, clutches 122, 150; third, overdrive–direct, brake 214 and clutch 150; reverse, direct–reduced reverse, clutch 122 and brake 218. Fluid pressure supply.–All the brakes and clutches are engaged by fluid pressure supplied by the two crescent–type gear pumps, one, 203, mounted on and driven by the final output shaft 16, the other, 134, connected to the reaction sun 106 of the front train so that this pump (134) is stationary (for power saving) when the sun 106 is braked for overdrive, but is input driven at all other times. The pumps supply a common pressure main 242 through check valves 224, 308. Pressure regulation.–A main regulator valve 223 meters a pressure–inlet chamber 222, first to the torque–converter feed 236, later to exhaust 240. The regulator 223 is loaded upwards by a spring 228 and downwards by the differential pressure created across an orifice 226 in the valve member itself, by flow from the inlet chamber 222 through the orifice 226 to an exhaust X metered by a pilot regulator valve 229, subject to downward loading by pressure on the downstream side of the orifice 226, and upward loading by a spring 232. Further upward loading is provided by a line 284 in which is fluid pressure varying with accelerator depression, to increase regulated pressure with increased torque demand, and in a branch from a line 294 feeding the reverse brake 218 to augment system pressure in reverse. Fluid system components.–In addition to parts already referred to above, the system includes an output–driven governor valve 210 supplying speed–responsive governor pressure 264; a valve 269 which supplies throttlevariable (" TV ") pressure 282 under loading through a spring by a valve 270 linked to the usual accelerator pedal and itself providing 3–2 kick–down shift; a further accelerator–operated valve 300 opened only at full throttle for 2–1 kick–down shift; 1–2 and 2–3 automatic up and down shift valves 265, 255 loaded by opposing governor and TV pressures; an overdrive transition valve 293 governing pressure supply to the front clutch 122. Operation. Neutral.–In N setting the manual valve 243 supplies main pressure 242 to the front clutch 122 only, through lines 260, 246. D–1.–In D–1 setting the manual valve 243 supplies pressure 242 additionally to

links 250, 252, the latter, 252, directly applying the centre brake 216 and also feeding the 1–2 shift valve 265; the former, 250, feeding the 2–3 shift valve 255. First speed, direct–reduced, is thus established. When, on increasing speed, governor pressure 264 overcomes TV pressure 282, 284 in the 1–2 shift valve 265, the latter rises to direct pressure 252 through a line 292 to engage the rear clutch 150, and through a branch line 292^{11} to the release side of the servo of the centre brake 216, releasing the latter, thus upshifting the rear train for second speed, direct–drive. With further speed increase governor pressure 264 overcomes TV pressure 282, 284 in the 2–3 shift–valve 255, raising the latter to direct pressure 250 through a line 258 to apply the overdrive front brake 214 and to shift right the overdrive transition valve 293 which then cuts off pressure 246 from, and exhausts the front clutch 122, thus upshifting the front train for third speed, overdrive–direct. D–2 and L.–In D–2 setting the manual valve exhausts the feed line 250 of the 2–3 shift valve 255, thus preventing shift to third speed, whilst in L setting the feed 252 to the 1–2 shift valve 265 is similarly exhausted to prevent upshift to second speed. R.–In reverse setting R the manual valve 243 pressurizes apply lines 294 of the reverse brake 218 and 246 of the front clutch 122, as well as a branch line 296 holding the 1–2 shift valve 265 in the depressed downshift position, and a branch line feeding pressure to below the pilot regulator valve 229 to augment system pressure. Kick–down shifts.–A first kick–down is provided at a particular throttle opening by the valve 270 supplying line pressure 242 through a line 299 to depress the 2–3 shift valve 255 producing a 3–2 downshift. At full throttle the second kick–down valve 300 is opened to direct TV pressure 284 through a line 304 to depress the 1–2 shift valve 265 for 2–1 downshift, and to maintain depression of the 2–3 shift valve 255. Timer valve action.–During an automatic 2–1 downshift, which involves application of the centre brake by exhausting its release pressure line 292^{11}, such exhaust passes through a coast downshift timer valve 287, which, at low throttle openings, is held right by a spring to insert a restrictor in the line, thus delaying brake application to permit time for engine acceleration. At the same time line pressure 306 from the manual valve 243 passes through the coast downshift timer valve 287 and a line 306^{1} to reinforce the leftward bias maintaining the overdrive transition valve 293 in its left setting for supply to the front clutch 122. At higher throttle openings TV pressure 282, 284 shifts the coast downshift timer valve 287 left, providing unrestricted exhaust from the release line of the centre brake. During 2–1 kick–down shift at moderate speeds the forced down shift timer valve 305 is held right by a spring, and does not restrict exhaust of the centre brake release line 292^{11}, but at higher vehicle speeds governor pressure 264 shifts the forced downshift timer valve 305 left to insert a restrictor in the exhaust line, delaying application of the centre brake to provide increased time for engine acceleration. Accumulator.–The accumulator 297, having opposed chambers connected to the apply and release lines 252, 292^{11} of the centre brake 216, cushions brake application and release during shift to and from first ratio. Overdrive brake servo.–This is cushioned by the constant supply of line pressure 242 to a chamber 312 where it acts constantly on an inner piston which is not large enough to operate the servo.

0) US4149494A – AIR QUANTITY METERING APPARATUS

66) Family number: 2469909 (US4149494A) © PatBase

Title: Air quantity metering apparatus

Priority: DE19752544791 19751007

Family:

Publication number	Publication date	Application number	Application date
DE2544791 A1	19770414	DE19752544791	19751007
DE2544791 C2	19880811	DE19752544791	19751007
FR2327419 A2	19770506	FR19760030130	19761006
FR2327419 B2	19810320	FR19760030130	19761006
GB1525538 A	19780920	GB19760041511	19761006
JP1347842 C3	19861113	JP19760119256	19761004
JP52046840 A2	19770414	JP19760119256	19761004
JP61012205 B4	19860407	JP19760119256	19761004
US4149494 A	19790417	US19760728147	19760930

Probable Assignee: BOSCH GMBH ROBERT

Assignee(s):(std)**:** BOSCH GMBH ROBERT

Assignee(s): ROBERT BOSCH GMBH ; BOSCH GMBH R

Inventor(s):(std)**:** HOELLE HERMANN ; ROMANN PETER ; WOLFINGER HELMUT ; PEETAA ROMAAN ; HERUMUUTO BUORUFUINGAA ; HERUMAN HETSURE

Inventor(s): HERUMUUTO UORUFUINGAA ; WOLFINGER HELMUT 8972 SONTHOFEN DE ; ROMANN PETER 7000 STUTTGART DE ; HOELLE HERMANN 8976 BLAICHACH DE

International class (IPC 8–9): F02D35/00 F02M69/48 G01F1/28 (Advanced/Invention); F02B1/04 (Advanced/Non–invention); F02D35/00 F02M69/46 G01F1/20 (Core/Invention); F02B1/00 (Core/Non–invention)

International class (IPC 1–7): F02B29/00 F02B3/00 F02D3/00 F02D5/00 F02M69/00 G01F1/06 G01F1/26 G01F1/28 G01F19/00

CPC: F02B1/04 F02M69/48 G01F1/28

European class: F02M69/48 G01F1/28 R02B1/04

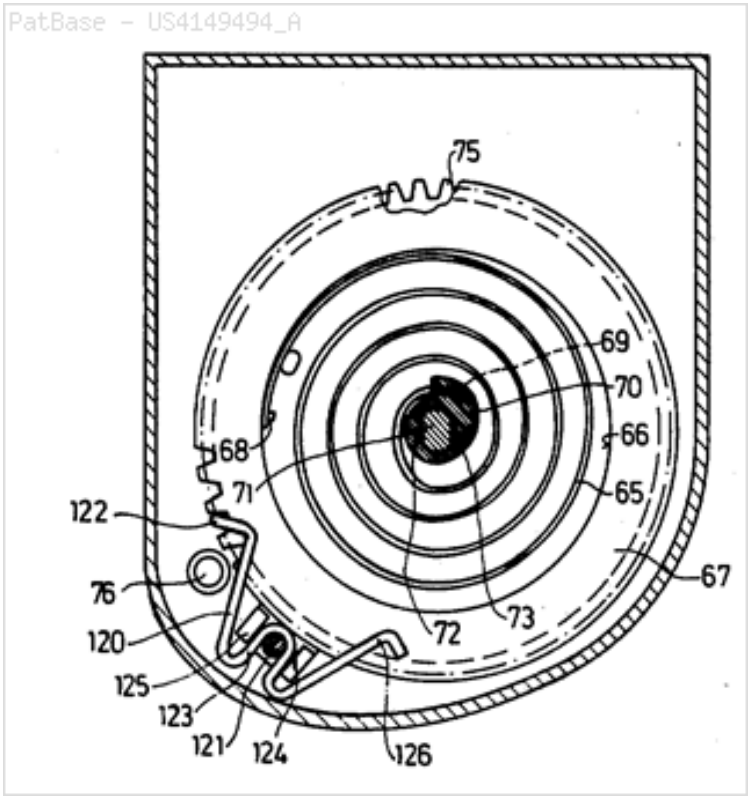
US class: 123/32EJ 123/494

Classification Explorer

Cited documents: US3616780, US2501060, DE2246373, DE2205509,

Forward Citations: US5774774, US5689780, US4895020, US4616504, US4530334, US4526042, US4334513, JP62018617, JP61292179, EP0113963, DE3305317,

Abstract:
Source: US4149494A Disclosed herein is an air quantity metering apparatus for use in internal combustion engines including a fuel injection system having an air intake manifold provided with a barrier flap which is mounted on a shaft to which is attached, exteriorly of said manifold, a spring loaded mechanism that serves to pretension the barrier flap in dependence upon conditions that exist in said manifold.



0) FR3027318A – REGARD POUR RESEAU SOUTERRAIN LOOK FOR UNDERGR...

67) Family number: 62185711 (FR3027318A)

© PatBase

Title:	REGARD POUR RESEAU SOUTERRAIN LOOK FOR UNDERGROUND NETWORK (Machine translation)
Priority:	FR20140059949 20141016

Family:

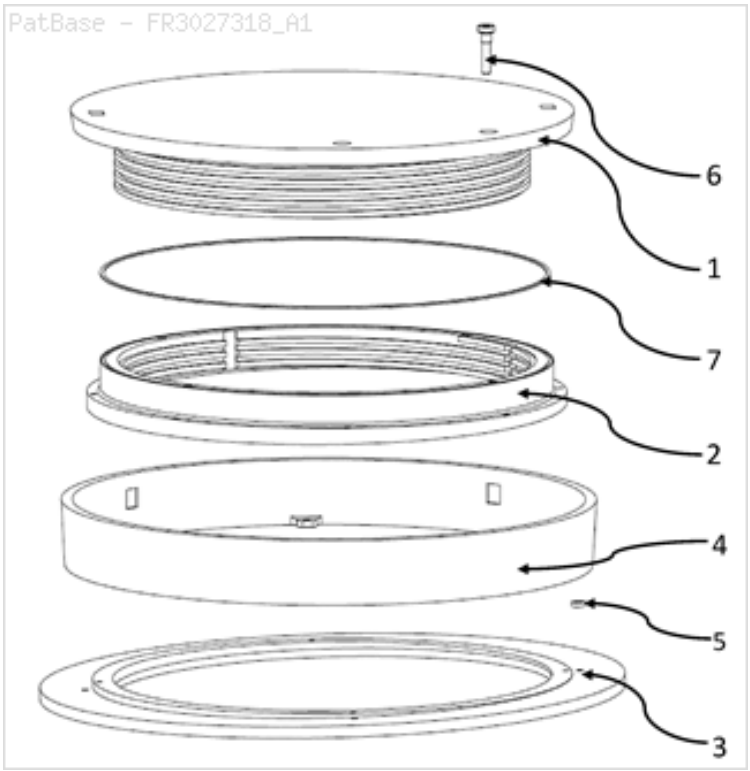
Publication number	Publication date	Application number	Application date
FR3027318 A1	20160422	FR20140059949	20141016

Probable Assignee:	BLEURVACQ BERNARD
Assignee(s):(std):	BLEURVACQ BERNARD
Assignee(s):	BERNARD BLEURVACQ
Inventor(s):(std):	BLEURVACQ BERNARD
Inventor(s):	BERNARD BLEURVACQ
Agent(s):	CABINET YVES DEBAY
International class (IPC 8–9):	E02D29/14 (Advanced/Invention)
CPC:	E02D29/1409

Classification Explorer

Cited documents: US2003039510 AA, EP0826834 A2, AT409643 B,

Abstract:
Source: FR3027318A La presente invention concerne un regard, pour la fermeture d'un conduit d'acces a un reseau souterrain, au travers d'un substrat (11) sous la surface du sol, en particulier sous une chaussee (10), ledit regard etant destine a etre installe sur un bloc buse (12) formant ledit conduit ou sur une ancienne installation (16) d'acces audit reseau souterrain et comporte au moins une base (2, 3, 32, 36), montee sur ledit bloc buse (12) ou l'ancienne installation (16), et sur laquelle au moins un tampon (1, 1.1) est monte par des moyens de reglage en hauteur (17, 71, 32, 1.3) et/ou en inclinaison (1.2, 2, 3, 3.1, 3.2, 29, 29.1), ledit regard etant caracterise en ce qu'il comporte des moyens de verrouillage (6, 23, 25, 49) fixant ledit tampon (1, 1.1) sur la base (2, 3, 36) et verrouillant le reglage en hauteur et/ou en inclinaison. The present invention relates to a gaze, for closing a duct access to an underground network, through a substrate (11) under the soil surface, especially in a floor (10), said eyes being indicated to be installed on a nozzle block (12) forming the conduit or an old facility (16) to access audit underground network and has at least one base (2, 3, 32, 36) on said block montee nozzle (12) or the old installation (16) and on which at least one pad (1, 1.1) is mounted by means of adjustment in height (17, 71, 32, 1.3) and / or inclination (1.2, 2, 3, 3.1, 3.2, 29, 29.1), said eye being characterized in that it comprises locking means (6, 23, 25, 49) securing said buffer (1, 1.1) on the base (2, 3, 36) and locking the adjustment in height and / or inclination.



0) US1725908A – LOCK FOR METER COVERS

68) Family number: 19914949 (US1725908A) © PatBase

Title:	LOCK FOR METER COVERS
Priority:	US19280295048 19280724

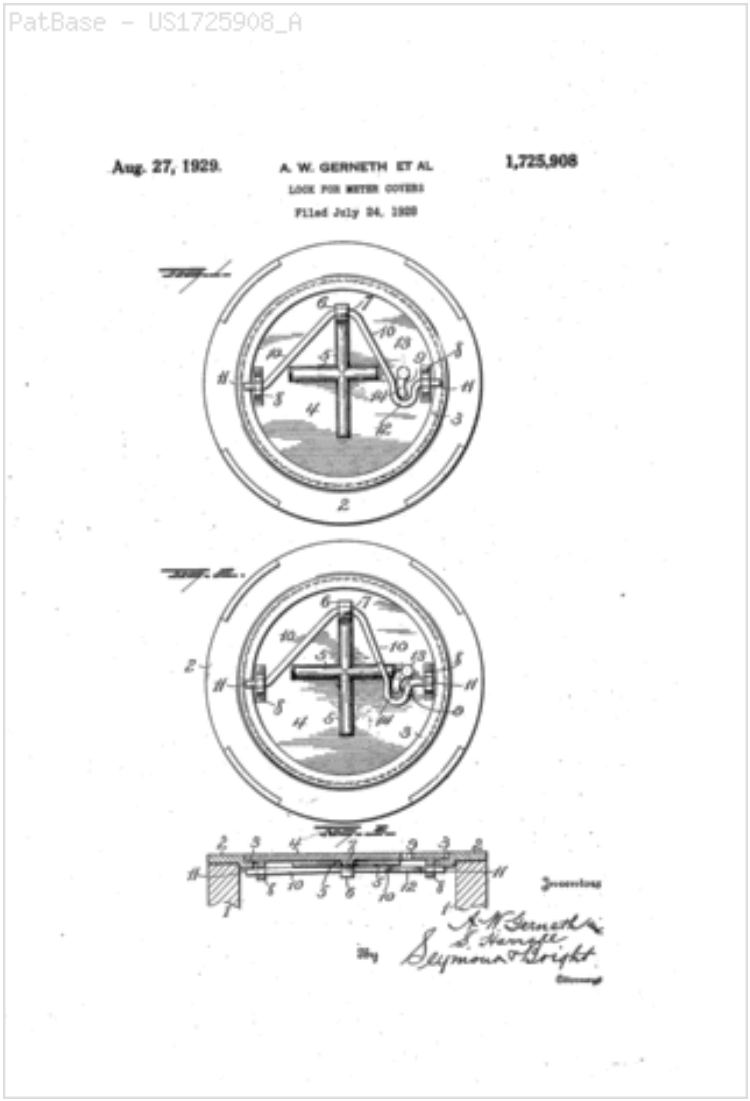
Family:

Publication number	Publication date	Application number	Application date
US1725908 A	19290827	US19280295048	19280724

Probable Assignee:	GERNETH AUGUST W
Assignee(s):(std)**:**	GERNETH AUGUST W ; STAN HARRALL
Inventor(s):(std)**:**	GERNETH AUGUST W ; STAN HARRALL
Inventor(s):	HARRALL STAN
International class (IPC 8–9)**:**	G01F15/14 (Advanced/Invention); G01F15/00 (Core/Invention)
International class (IPC 1–7)**:**	G01F15/14
CPC:	G01F15/14 Y10T70/5575 Y10T70/558 Y10T70/5584 Y10T70/5589 Y10T292/08
European class:	G01F15/14
US class:	292/2 70/166 70/167 70/168 70/169
Classification Explorer	
Forward Citations:	US7377141, US4527407, US4362036, US2006021396,

Abstract:
Source: US1725908A 1. In mechanism for the purpose set forth, the combination of a case, a cover seating therein and provided on its under side with diametrically opposite guides, and a resilient A–shaped locking rod disposed entirely in a single plane close to and approximately parallel with the underside of the cover anchored at its apex upon the underside of the cover and having its ends constituting bolts passing through the respective guides to engage the case, one leg ot the rod having an open key–engageable loop formed therein.

PatBase - US1725908_A



0) IN00432CA2001A – DEVICE FOR SECURIBNG OBJECTS AGAINST TAMPERING ...

69) Family number: 43944352 (IN00432CA2001A)

© PatBase

Title: DEVICE FOR SECURIBNG OBJECTS AGAINST TAMPERING OR VIOLATION

Family:

Publication number	Publication date	Application number	Application date
IN00432CA2001 A	20051111	IN2001CA00432	20010807
IN200041 B	00000000	IN2001CA00432	20010807

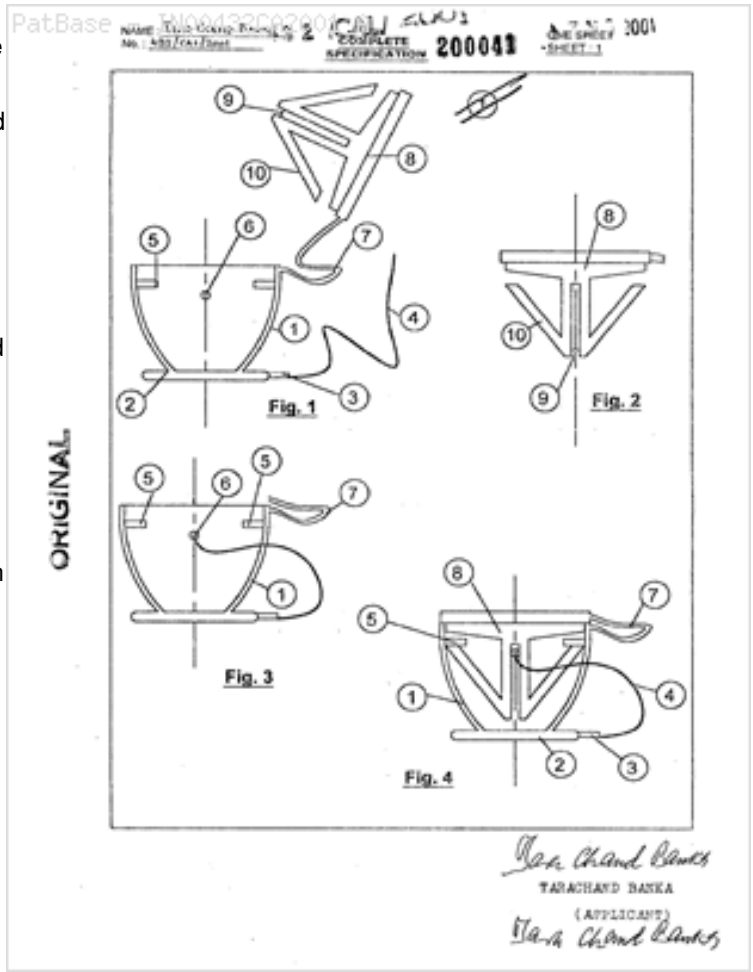
Probable Assignee: TARACHAND BANKA

Assignee(s): TARACHAND BANKA

Inventor(s): TARACHAND BANKA

International class (IPC 1–7): H02G17/20 H02G17/22 H02G39/00 H02G41/00

Abstract:
Source: IN00432CA2001A Conventional mode of securing objects agianst violation issued metal bodies like locks or seals made of malleable metals like lead or alloys thereof and wire. Such sealing means did not offer an effective protection, not to speak of the health hazard they posed. This invention provides and effective answer to the problems aforementioned by providing a disposable, low–cost, sealing device for securing objects against tampering or violation, fabricated from polymeric material which comprises – a) a hollow trapezoidal capsule (1) open at one end and closed on the other with two lips (5) in th eupper inside region at the open end of the narrow walls of the capsule (l); b) a through cross–hole (6), drilled in line, located in the upper regions of the larger walls of said capsule (l); c) a variable lenght of sealing wire (4) hermetically sealed at end with the base part (2) of the said capsule; d) a connecting strip (7) moulded with the upper exterior region of one of the narrow walls of said capsule and e) an anchor–sharped body (8) having a base and two collapsible protruding parts (10) resembling an inverted 'W'.



0) ES2002061A – VALVULA AUTOMATICA DE CONEXION A LLAVES DE PASO...

70) Family number: 5273511 (ES2002061A) © PatBase

Title: VALVULA AUTOMATICA DE CONEXION A LLAVES DE PASO EMPOTRADAS PARA INSTALACIONES DE CONTADORES AUTOMATIC CONNECTION VALVE STOPS BUILT FACILITIES FOR ACCOUNTANTS (Machine translation)

Priority: ES19860002950 19861107

Family:

Publication number	Publication date	Application number	Application date
ES2002061 AF	19880701	ES19860002950	19861107

Probable Assignee: JIMENEZ SOLSONA ARMANDO

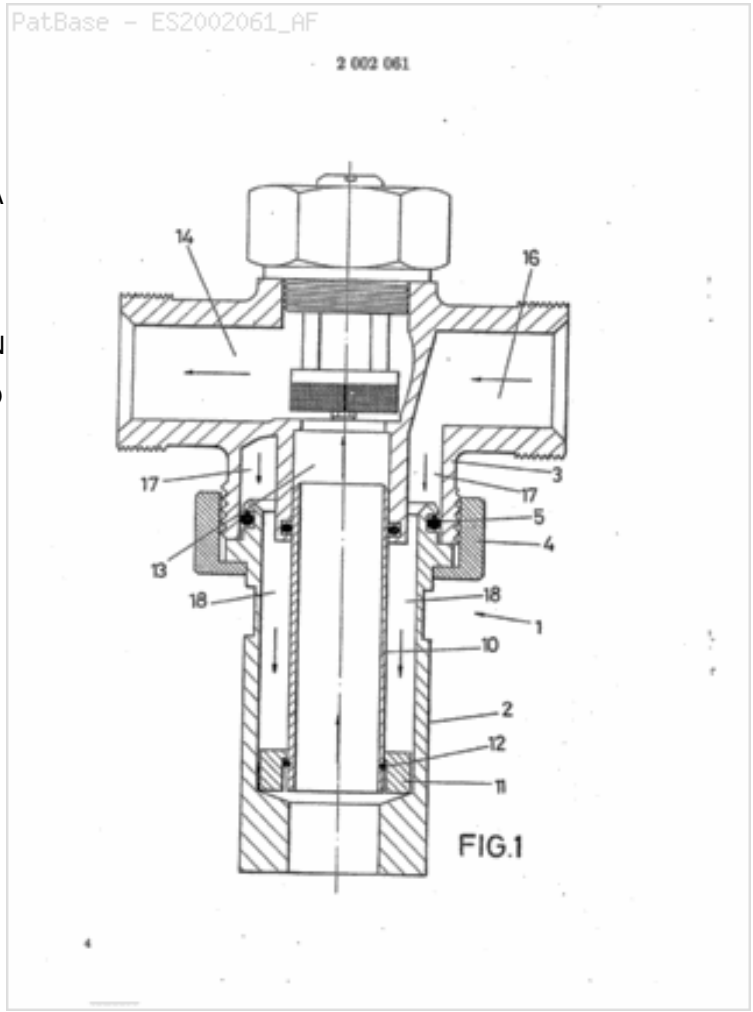
Assignee(s):(std): JIMENEZ SOLSONA ARMANDO

International class (IPC 8–9): F16L29/00 (Advanced/Invention); F16L29/00 (Core/Invention)

International class (IPC 1–7): F16L29/0

Classification Explorer

Abstract:
Source: ES2002061A VALVULA AUTOMATICA DE CONEXION A LLAVES DE PASO EMPOTRADAS, PARA INSTALACION DE CONTADORES, CONSISTENTE EN UNA LLAVE DE PASO EXTERNA DE DOS VIAS, QUE CIERRA EL CIRCUITO Y LA CUAL QUEDA FIJADA AL TUBO DE ANCLAJE A LA LLAVE DE PASO EMPOTRADA, ESTANDO PROVISTO EL CITDO TUBO DE ANCLAJE EN SU INTERIOR DE UN TUBO EXTERIORMENTE AL CUAL QUEDA UN RESORTE QUE ACTUA SOBRE EL TUBO DE ASIENTO QUE PUEDE SER CONICO SIN NINGUN TIPO DE APOYO ELASTICO EN SU EXTREMO DE UNION A LA LLAVE DE PASO EMPOTRADA, DE FORMA QUE EL AGUA DE LA CONDUCCION GENERAL PASA A TRAVES DEL TUBO DE ASIENTO Y DEL TUBO EN CUYO EXTERIOR SE ENCUENTRA EL RESORTE, PENETRANDO EN LA LLAVE DE PASO EXTERNA Y RECORRIENDO EL CIRCUITO EXTERNO, ENTRE CUYA CONDUCCION SE ENCUENTRA EL CONTADOR, PENETRANDO POR UNA NUEVA VIA COMUNICADA CON LA CONDUCCION QUE QUDA ENTRE EL TUBO DE ANCLAJE Y EL SITUADO EN SU INTERIOR PARA LLEGAR HASTA LA LLAVE DE PASO EMPOTRADA SIGUIENDO SU CIRCULACION.
AUTOMATIC CONNECTION VALVE STOPS BUILT FOR INSTALLATION OF ACCOUNTANTS, CONSISTENT IN A FOREIGN KEY STEP TWO–WAY LOCKING CIRCUIT AND WHICH IS SET TO PIPE ANCHOR TO BUILT COCK, WHILE CITDO PROVIDED THE ANCHOR PIPE INSIDE A PIPE OF EXTERNALLY TO WHICH IS A SPRING THAT ACTS ON TUBE CONICAL SEAT CAN BE FLEXIBLE WITHOUT ANY SUPPORT YOUR END TO UNION BUILT COCK, SO WATER FROM THE GENERAL DRIVING PASS THROUGH THE SEAT AND EXHAUST PIPE IN WHICH ARE OUTSIDE THE SPRING, PENETRATING THE COCK AND WALKING THE EXTERNAL EXTERNAL CIRCUIT BETWEEN WHICH IS DRIVING THE COUNTER, REACHING FOR A NEW VIA REPORTED WITH DRIVING BETWEEN YOU TUBE quda ANCHOR AND LOCATED INSIDE TO GET TO THE FOLLOWING STOPCOCK BUILT YOUR CIRCULATION.



0) US2014336517A – APPARATUS FOR MONITORING ARTERIAL PULSE WAVES I...

71) Family number: 53956651 (US2014336517A) © PatBase

Title: APPARATUS FOR MONITORING ARTERIAL PULSE WAVES IN DIAGNOSING VARIOUS MEDICAL CONDITIONS

Priority: US20110563574P 20111124 US20120360635 20121120 WO2012IL50466 20121120

Family:

Publication number	Publication date	Application number	Application date
JP2015501696 T2	20150119	JP20140542995T	20121120
US2014336517 AA	20141113	US20120360635	20121120
WO13076722 A1	20130530	WO2012IL50466	20121120

Probable Assignee: ITAMAR MEDICAL LTD

Assignee(s):(std)**:** ITAMAR MEDICAL LTD

Inventor(s):(std)**:** SCHNALL ROBERT P ; SHEFFY JACOB

Agent(s): GE EHRLICH 1995 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 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 A61B5/024 A61B5/0245 (Advanced/Invention)

CPC: A61B5/02444 A61B5/6829 A61B5/02007 A61B5/6826

US class: 600/500

Classification Explorer

Cited documents: US7819811 BB, US6939304 BB, US6322515 BA, US5218966 A, US2010004546 AA, JP61234841 A2, JP2004528052 T2, JP2000515789 T2,

Forward Citations: US9474453,

Abstract:
Source: US2014336517A Apparatus for monitoring arterial pulse waves includes at least one separator ring receivable on at least one digit of a limb effective to tether a feed tube supplying a measuring device to a digit. Each separator ring is of a compliant material, of a non−interrupted tubular configuration, designed to avoid interference of blood supply to or from the digit to which it is applied, and of sufficient resilience and thickness to enable it to distance each adjacent digit from a digit mounted tubular socket probe so as to prevent contact between the tubular socket probe and adjacent digits, without interference to blood circulation, irrespective of the thickness of the digit on which the separator ring is received.

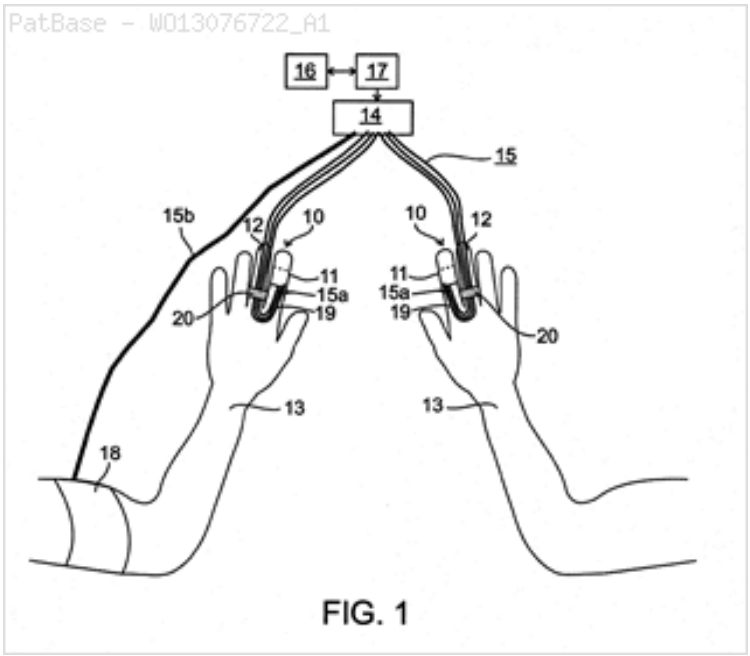


FIG. 1

0) DE102012013294A1 – ANKER–UEBERWACHUNGS–GERAET HOLDING ELEMENT–ANC...

72) Family number: 56387424 (DE102012013294A1) © PatBase

Title: ANKER–UEBERWACHUNGS–GERAET HOLDING ELEMENT–ANCHOR–MONITORING DEVICE FOR WATERCRAFT E.G. YACHT, HAS GLOBAL POSITIONING SYSTEM (GPS) DEVICE THAT DETERMINES GEOGRAPHICAL COORDINATES OF POSITION OF YACHT COMPRISING COMPASS VALUE

Priority: DE201210013294 20120703

Family:

Publication number	Publication date	Application number	Application date
DE102012013294 A1	20140508	DE201210013294	20120703

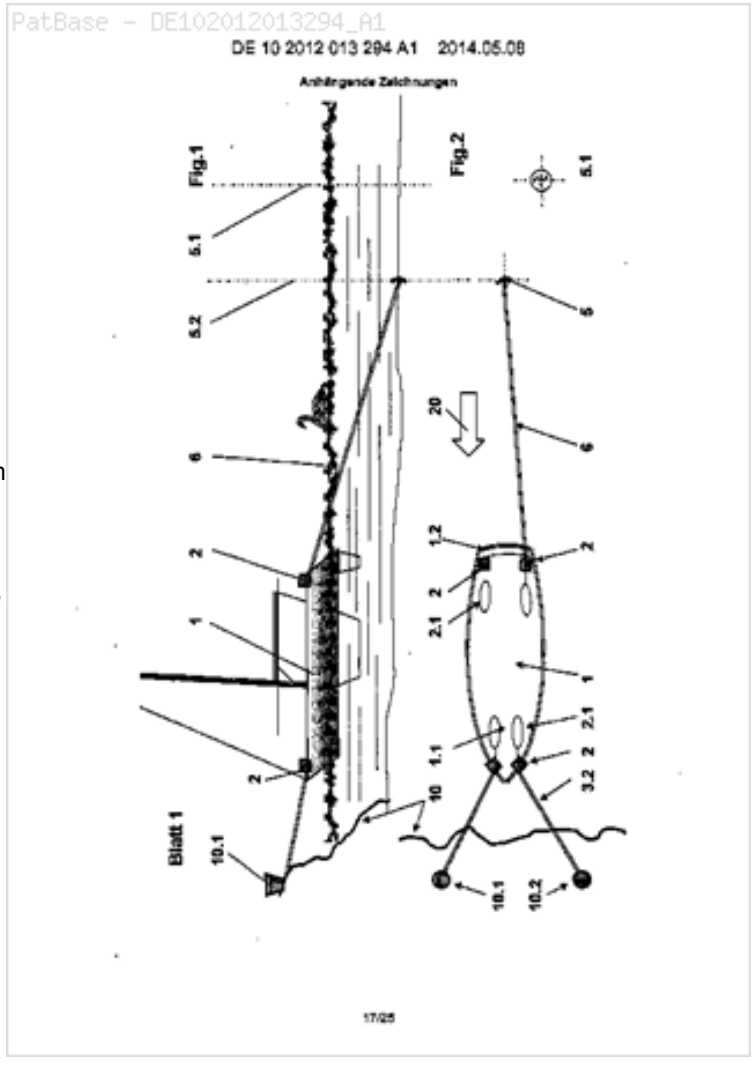
Probable Assignee: HESTERMANN CHRISTIAN

Assignee(s):(std)**:** HESTERMANN CHRISTIAN

International class (IPC 8–9): B63B21/22 (Advanced/Invention)

CPC: B63B21/22 B63J2099/006

Classification Explorer



Abstract:
Source: DE102012013294A1
Vorrichtungs–Kombination zum Schutz von Wasserfahrzeugen vor Strandung infolge unbemerkten Losbrechens des Ankers, welches von Wind– und/oder Stroemungsrichtungsaenderung und/oder staerkerem Wind bzw. hoeherer Stroemungsgeschwindigkeit verursacht sein kann. Die Kombination besteht aus einer zentral an Bord installierten elektronischen Kontroll–Steuerung in Verbindung mit mehreren unterschiedlichen, dezentral installierten ueberwachungsorganen. Diese dienen dazu, das Fortbestehen der Zugspannung von Leinen bzw. Ankerketten zu ueberwachen. In die Kontroll–Steuerung eingespeist wird ferner die mittels GPS–Geraet ermittelte geographische Position des Ankers. Aus der mittels elektronischem Kompass bestimmten Laengsachsenausrichtung des Fahrzeuges und von Sensoren ermittelten Laengen der Verbindung zum Anker werden entsprechende Signale ebenfalls der Kontroll–Steuerung uebermittelt und daraus die wahre Ankerposition errechnet. Mittels Echolot wird die Wassertiefe kontrolliert und an die Kontroll–Steuerung gemeldet. Ausser der Alarmierung der Besatzung im Falle einer Lockerung der Verbindungen oder Veraenderung der Ankerposition werden gleichzeitig unterschiedliche Aktoren in Funktion gesetzt, um einen ausgebrochenen Anker wieder festzusetzen. Zur Wahl programmierter Algorithmen werden auch die Messdaten aus Geraeten zur Windkraft und Stroemungsgeschwindigkeit sowie deren Richtungsbestimmung in die Beeinflussung des Zeitpunktes wie auch der Ausloesemomente der aktiven Schutzfunktionen einbezogen. Wegen der Komplexibilitaet sowohl der sehr speziellen Probleme als auch deren Loesungswege erscheinen die in der Beschreibung gegebenen ausfuehrlichen Darstellungen notwendig. (siehe auch Auszug „Fachbegriffe Anker") The device has a control panel that controls the mechanical stress of multiple claws (2) for releasably holding a vehicle. A wireless/wired transmission unit

transmits the tensile measurements and counts of a magnetic sensor. The switching inputs for a GPS device display the geographic coordinates and a longitudinal axis direction of the vehicle. The GPS device determines geographical coordinates of the position of a yacht (1), comprising compass value and counts by known geometrical calculation.

0) WO08125353A2 – MACHINING CENTER FOR SUBTRACTIVE AND ADDITIVE M...

73) Family number: 42400062 (WO08125353A2) © PatBase

Title: MACHINING CENTER FOR SUBTRACTIVE AND ADDITIVE MACHINING OPERATIONS

Priority: DE200710017759 20070416 WO2008EP03051 20080416

Family:

Publication number	Publication date	Application number	Application date
DE102007017759 A1	20081023	DE200710017759	20070416
EP2176439 A2	20100421	EP20080735290	20080416
WO08125353 A2	20081023	WO2008EP03051	20080416
WO08125353 A3	20100318	WO2008EP03051	20080416

Probable Assignee: INNOVARIS GMBH AND CO KG

Assignee(s):(std)**:** DIRSCHERL MARKUS ; HERMLE MASCHB GMBH ; INNOVARIS GMBH AND CO KG

Assignee(s): HERMLE MASCHINENBAU GMBH

Inventor(s):(std)**:** DIRSCHERL MARKUS

Agent(s): HAGER THOMAS JOHANNES; HOEFER AND PARTNER

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): B05B15/12 B05B7/16 C23C4/12 (Advanced/Invention); B05B15/12 B05B7/16 C23C4/12 (Core/Invention)

CPC: C23C24/04 C23C4/12 B05B7/144 B05B15/1214 B05B15/1262

European class: B05B15/12D C23C4/12 L05B15/12F7 L05B7/14A8

Classification Explorer

Cited documents: WO0242056 A1, EP0554033 A1,

Forward Citations: WO13153096, DE212013000051, DE102009048706,

Abstract:
The invention relates to a machining center for the combined production of a workpiece by thermal molding and subtractive machining, comprising a molding chamber (1), wherein both the additive and subtractive machining operations of the workpiece occur inside the machining center (1).

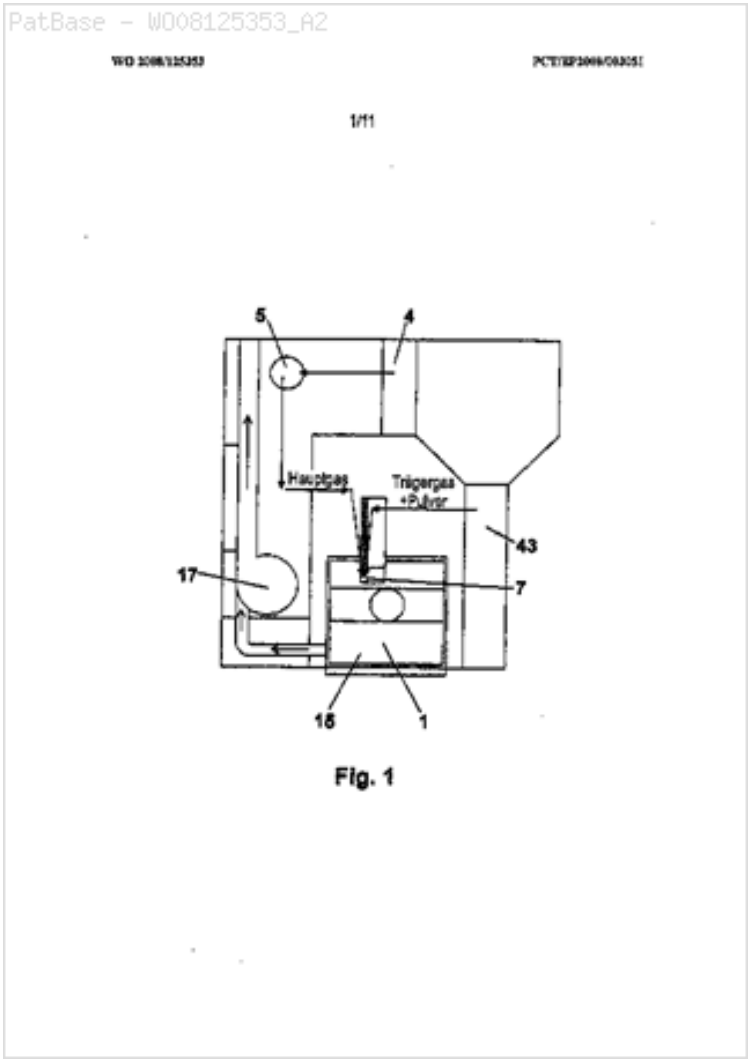


Fig. 1

0) DE3115812A1 – DRY–FILLING OR CONCRETE–PREPARING APPARATUS OF ...

74) Family number: 22848744 (DE3115812A1) © PatBase

Title: Dry–filling or concrete–preparing apparatus of container design

Priority: DE19813115812 19810418

Family:

Publication number	Publication date	Application number	Application date
DE3115812 A1	19821202	DE19813115812	19810418

Probable Assignee: STETTER GMBH

Assignee(s):(std)**:** STETTER GMBH

Inventor(s):(std)**:** RIKER RUDOLF ; PLACZEK JOHANN DIPL ING ; GUGGENBERGER REINHARD ; BURKARD RUDOLF

International class (IPC 8–9)**:** B28C9/00 B65D88/12 (Advanced/Invention); B28C9/00 B65D88/00 (Core/Invention)

International class (IPC 1–7)**:** B28C9/04

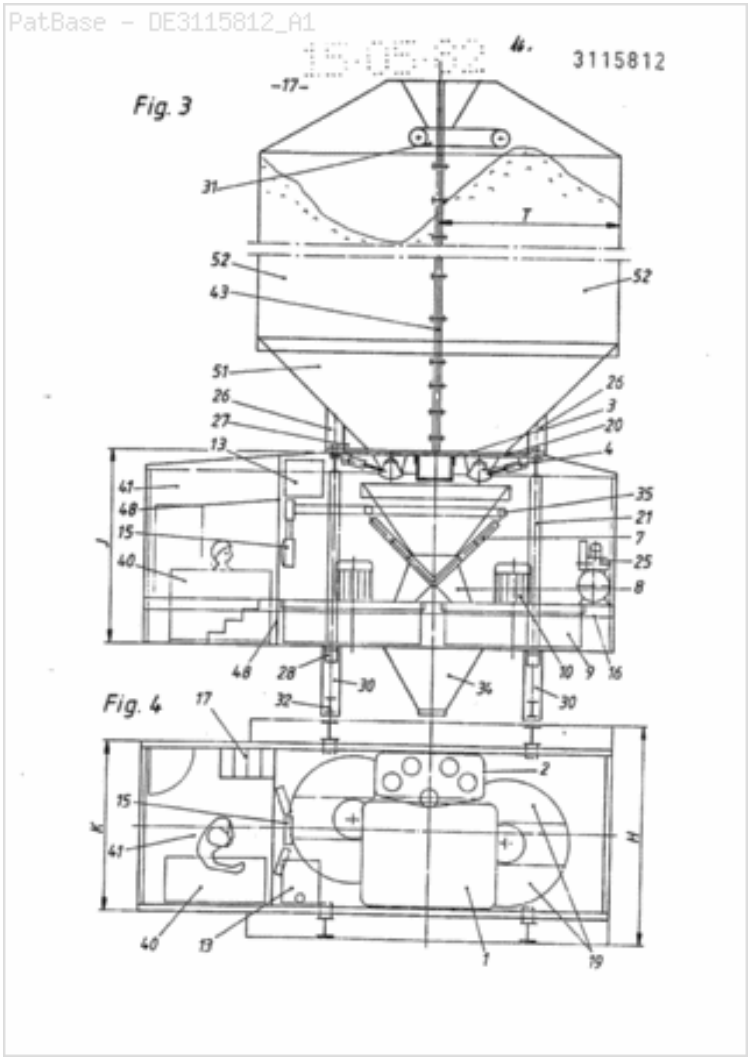
CPC: B28C9/00 B65D88/12

European class: B28C9/00 B65D88/12

Classification Explorer

Forward Citations: EP1053845, EP0587155, CN102259107,

Abstract:
Source: DE3115812A1 The invention relates to a dry−filling or concrete−preparing apparatus, especially of tower design, having such a construction that all the operating parts are combined to form a fully integrated factory−produced operationally tested and optionally completely weather−protected container structural unit transportable by road, ship and rail. For this purpose, the bottom of the aggregate silo, together with the metering closures for aggregates and metering members for cement, are incorporated in the container structural unit, the control cab partitioned off from the machine side in terms of noise and dust is vertically adjustable and lockable relative to the machine side, and the mixing space of the pan mixer is vented into the recipient of the aggregate balance. Further details relate to the connection of the structural unit to the supporting construction, the mode of construction and connection of the built−over aggregate silo, the position, arrangement and design of the operating parts in the structural unit and the use of the structural unit in conjunction with a serial metering apparatus flush with the ground, the space of the aggregate balance being taken up by an intermediate recipient without a balance.



0) US5305859A – LIQUID SPRING HAVING IMPROVED DAMPER VALVE STRU...

75) Family number: 11541913 (US5305859A) © PatBase

Title: Liquid spring having improved damper valve structure

Priority: US19920882067 19920512

Family:

Publication number	Publication date	Application number	Application date
US5305859 A	19940426	US19920882067	19920512

Probable Assignee: DAVIS LEO W

Assignee(s):(std)**:** DAVIS LEO W

Inventor(s):(std)**:** DAVIS LEO W

International class (IPC 8–9)**:** F16F9/348 F16F9/516 (Advanced/Invention); F16F9/34 F16F9/50 (Core/Invention)

International class (IPC 1–7)**:** F16F9/50

CPC: F16F9/3482 F16F9/516

European class: F16F9/348B F16F9/516

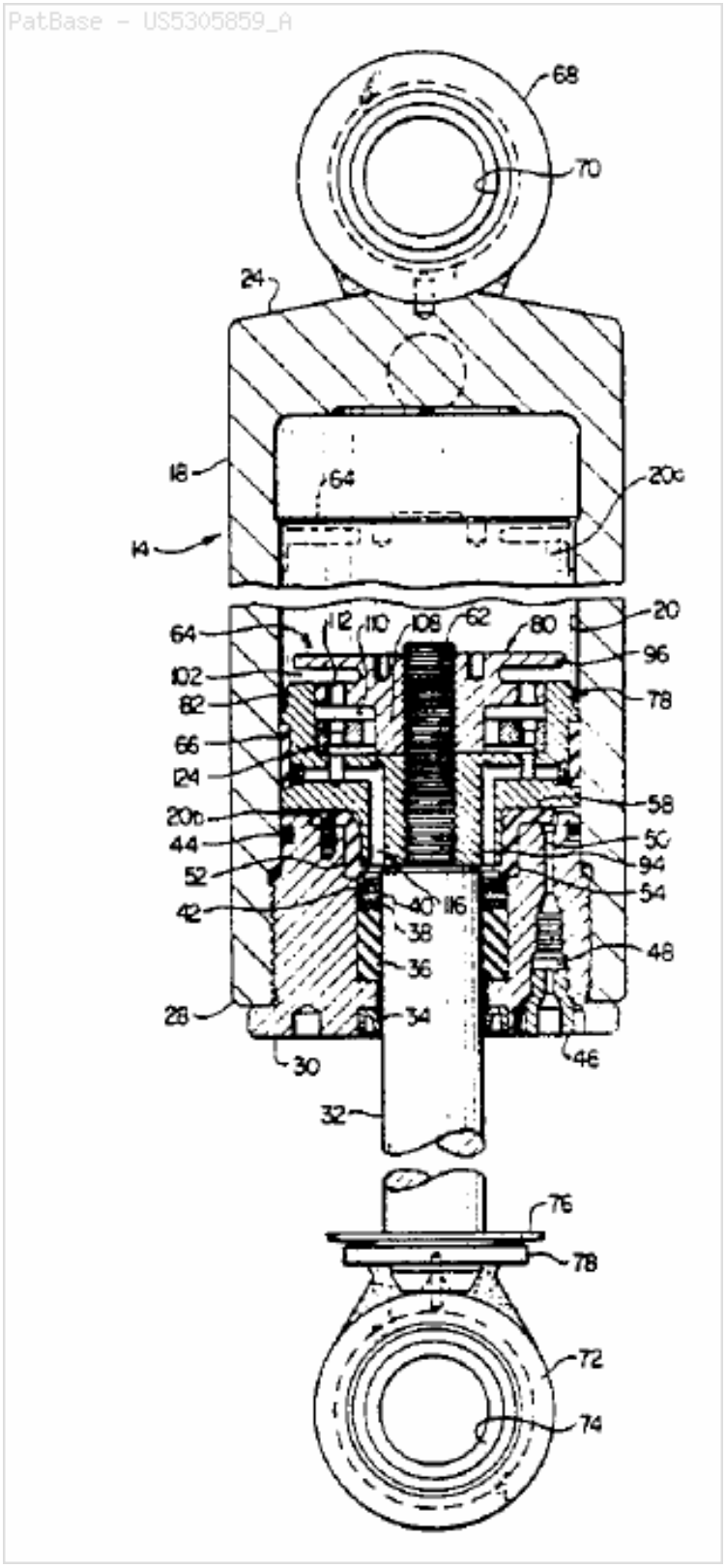
US class: 188/282 188/282.1 188/319.1 188/320 188/322.17 267/127 267/64.13

Classification Explorer

Cited documents: US5152379 A, US4877222 A, US4735402 A, US4561641 A, US4558767 A, US4452436 A, US3598205 A, US3420273 A, US2637414 A, JP57127137 A2, FR1236014 A,

Forward Citations: US9574582, US9150076, US8534687, US8075002, US7028817, US6820729, US6325187, US2004188897,

Abstract:
Source: US5305859A A vehicular suspension system includes a liquid spring operatively interconnected between a vehicle frame and an associated wheel assembly to provide resistive spring and damping forces in response to relative vertical displacement between the frame and wheel assembly. The liquid spring includes a cylinder secured to the vehicle frame and having a compressible liquid–filled internal chamber in which a piston structure is reciprocally disposed and divides the chamber into bounce and rebound chambers. A rod is slidably and sealinqly carried by the cylinder for axial movement into and out of the chamber, the rod having an inner end anchored to the piston structure, and an outer end portion extending outwardly from the cylinder and secured to the wheel assembly. A flow passage extends through the piston and intercommunicates the bounce and rebound subchambers. An intermediate portion of the flow passage is defined by a valve chamber disposed within the piston structure and captively retaining a movable damper valve. The damper valve is operable to restrict liquid flow through the piston passage in a manner providing greater resistance to liquid flow in one direction between the bounce and rebound subchambers than in the other direction in response to axial rod movement into and out of the cylinder chamber. The directional liquid flow restriction differential of the damper valve may be conveniently reversed simply by reversing the orientation of the damper valve within the internal piston structure valve chamber.



0) GB586535A – IMPROVEMENTS IN OR RELATING TO GAS VELOCITY MET...

76) Family number: 19889298 (GB586535A)

© PatBase

Title:	Improvements in or relating to gas velocity meters
Priority:	GB19440018786 19441002

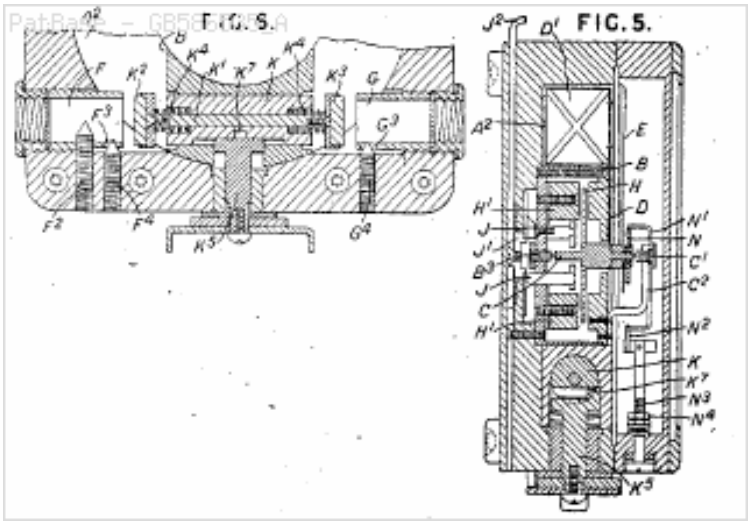
Family:

Publication number	Publication date	Application number	Application date
GB586535 A	19470321	GB19440018786	19441002

Probable Assignee:	RALPH POOLE
Assignee(s):(std):	RALPH POOLE
International class (IPC 8–9):	G01F1/28 (Advanced/Invention); G01F1/20 (Core/Invention)
International class (IPC 1–7):	G01F3/24
CPC:	G01F1/28
European class:	G01F1/28

Classification Explorer

Abstract:
Source: GB586535A 586,535. Gas–velocity meters. POOLE,R. Oct 2, 1944; No. 18786. [Class 69 (i)] In a gas–velocity meter comprising a vane connected to a pointer or like indicating device, the gas channel in which the vane moves is of generally annular form and surrounds a compartment containing the device for damping the movement of the vane. In the form shown, the wall of the channel A <2> surrounds a chamber B containing the damping device for the vane D <1> , the rear wall of which chamber carries a bearing pivot B3 for the spindle C, the other point being supported by a bearing C <1> adjustably mounted in a bracket C <2> . Secured to the spindle C is an arm D carrying the vane D <1> , having an arc of swing of at least 200 degrees, and a needle'or pointer E. A hair–spring N is secured to the spindle C and to an anchorage N <1> , adjustable by a pin N <2> , carried by an adjusting screw N <3> , locked by a compression spring N <4> . The damping device comprises a stationary cylindrical magnet H <1> and a disc H. Two or more locking members J, movable by face cams on a member J <1> are operated by a lever J <2> . The gas channel has inlet and outlet ports F and G, the effective area of which inlet port F is' fixed by the setting–screw F <2> for calibration purposes, and alternative inlet and outlet ports F <3> and G <3> , which have adjusting devices F <4> and G'. A sliding member K carrying a valve spindle K <1> with members K <2> , K <3> , and acted upon by coil springs K <4> can be moved by a rocking member K <5> , having a pin K <7> to bring the member K <2> to engage with the inlet F or the member K3 to engage the outlet G:



0) US3733723A – STEAMER

77) Family number: 22054331 (US3733723A) © PatBase

Title: STEAMER

Priority: JP19710069440 19710907 JP19720058026 19720517 JP19720058026U 19720517

Family:

Publication number	Publication date	Application number	Application date
AU197246238 A1	19740207	AU19720046238	19720901
AU444830 B2	19740207	AU19720046238	19720901
CA978913 A1	19751202	CA19720150758	19720901
DE2243462 A1	19730322	DE19722243462	19720904
DE2243462 B2	19760129	DE19722243462	19720904
DE2243462 C3	19760909	DE19722243462	19720904
FR2152674 A1	19730427	FR19720031582	19720906
FR2152674 B1	19761029	FR19720031582	19720906
JP48035195 A2	19730523	JP19710069440	19710907
JP49029286 U1	19740313	JP19720058026U	19720517
JP50017594 B4	19750621	JP19710069440	19710907
JP51021193 Y2	19760602	JP19720058026U	19720517
US3733723 A	19730522	US19720285219	19720831

Probable Assignee: MATSUSHITA ELECTRIC IND CO LTD

Assignee(s):(std)**:** MATSUSHITA ELECTRIC IND CO LTD ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD KADOMA OSA

Assignee(s): MATSUSHITA ELECTRIC INDUSTRIAL CO ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD KADOMA OSAKA ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD KADOMA OSAKA JAPAN ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD KADOMA OSAKA (JAPAN) ; TAKAKUWA SHIGERU ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD ; MATSUSHITA ELECTRIC INDU ; MATSUSHITA ELECTRIC INDUSTRIAL ; MATSUSHITA ELECTRIC IND CO LTD JA ; IDE MITSUO ; IWAMI KENICHI

Inventor(s):(std)**:** IDE MITOUO ; IDE MITSUO ; IDE MITSUO TAKAISHI ; IWAMI K ; IWAMI KENICHI ; IWAMI KENICHI KAWANISHI ; IWAMI KENICKI ; IDE M ; TAKAKUWA S ; TAKAKUWA SHIGERU ; TAKAKUWA SHIGERU SUITA

Inventor(s): TAKAKUWA S JA ; IDE M JA ; KENICKI IWAMI ; MITOUO IDE ; SHIGERU TAKAKUWA ; SHIGERU TAKAKUWA KENICHIIWAMI AND MITSUO IDE ; IWAMI K JA

International class (IPC 8–9): D06B1/02 D06F75/30 D06F87/00 (Advanced/Invention); D06B1/00 D06F75/00 D06F87/00 (Core/Invention)

International class (IPC 1–7): A47J51/00 D06B1/02 D06C1/00 D06F87/00 F24D15/00

CPC: D06F75/30

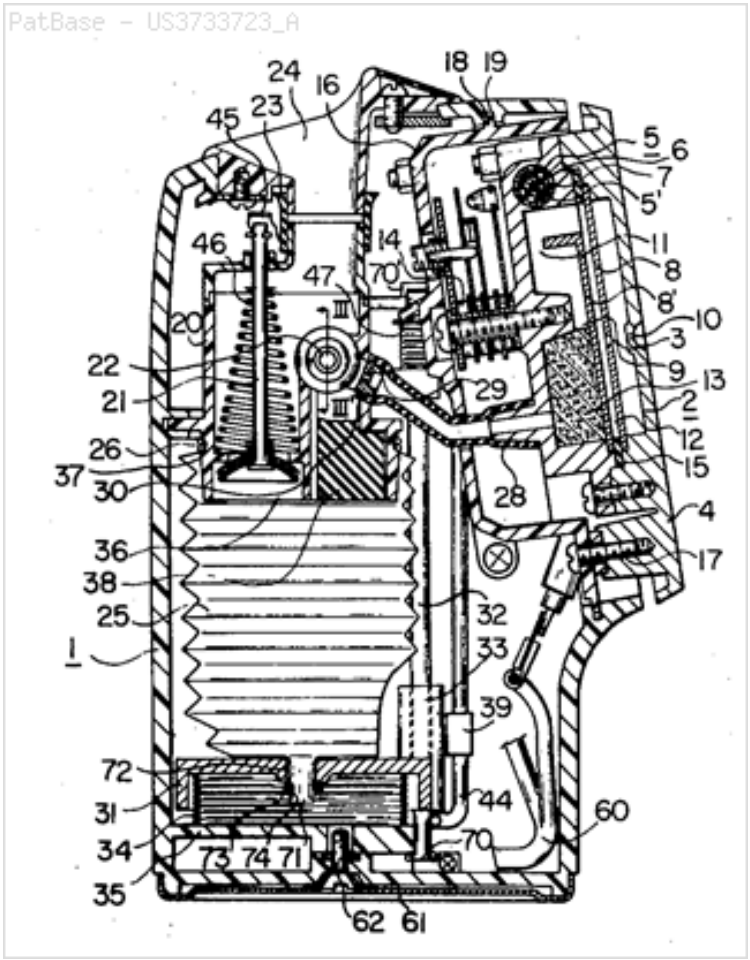
European class: D06F75/30

US class: 38/69 392/399 392/404

Classification Explorer

Forward Citations: US8272152, US6321035, US5121464, US4616122, US4536977, US3805425, US2010058623, JP61177965, DE4013026, DE4013026,

Abstract:
Source: US3733723A A steamer having pressure imparting means for imparting pressure to a flexible tank containing water for compressing the tank thereby forcedly feeding water in the tank into a vaporizing chamber, in which steamer manual push button means are provided so that steam can be ejected and ejection of steam can be ceased as desired in response to the manipulation of the manual push button means.



0) US2003141075A – APPARATUS AND METHOD FOR OBTAINING PROPER SPACE...

78) Family number: 28878830 (US2003141075A) © PatBase

Title: APPARATUS AND METHOD FOR OBTAINING PROPER SPACE–OUT IN A WELL

Priority: US20020233900 20020903 US20020352664P 20020129

Family:

Publication number	Publication date	Application number	Application date
US2003141075 AA	20030731	US20020233900	20020903
US6758272 BB	20040706	US20020233900	20020903

Probable Assignee: SCHLUMBERGER TECHNOLOGY CORP

Assignee(s):(std)**:** BIXENMAN PATRICK W ; SCHLUMBERGER TECHNOLOGY CORP ; TOFFANIN EZIO

Inventor(s):(std)**:** BIXENMAN PATRICK W ; TOFFANIN EZIO

International class (IPC 8–9)**:** E21B47/04 E21B47/09 (Advanced/Invention); E21B47/00 E21B47/04 (Core/Invention)

International class (IPC 1–7)**:** E21B19/16 E21B47/09

CPC: E21B47/04 E21B47/09

European class: E21B47/04 E21B47/09

US class: 166/113 166/255.1 166/380 166/65.1 166/651

Classification Explorer

Cited documents: US6409219 BA, US6173773 BA, US5967816 A, US5823257 A, US5820416 A, US5450904 A, US5389003 A, US5370545 A, US5020592 A, US4997384 A, US4765402 A, US4628998 A, US3861463 A, GB2360536 A1, EP0921267 A2, EP0810348 A2,

Forward Citations: WO14046651, WO13103786, WO05045174, WO05045174, US9546548, US9464506, US9316754, US9068435, US8924158, US8757891, US8550722, US8550721, US8523454, US8511907, US8485837, US8408064, US8286713, US7938178, US7934553, US7735559, US7641395, US7611290, US7604047, US7594763, US7556093, US7419001, US7252437, US7228898, US7210856, US7191832, US7165892, US2014048271, US2012045917, US2010107754, US2010086257, US2009211761, US2009065200, US2008156478, US2008073084, US2007253665, US2007081768, US2006260799, US2006159400, US2005281511, US2005263293, US2005232548, US2005194150, US2005074210, US2005074196, US2005072564, RU2590636, NO333359, EP2828477, AU2012390273,

Abstract:
Source: US2003141075A The present invention provides an apparatus and method for achieving proper space−out of well components. One aspect of the invention utilizes a dummy production string with a sliding measurement device to measure the proper space−out distance. It is emphasized that this abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).

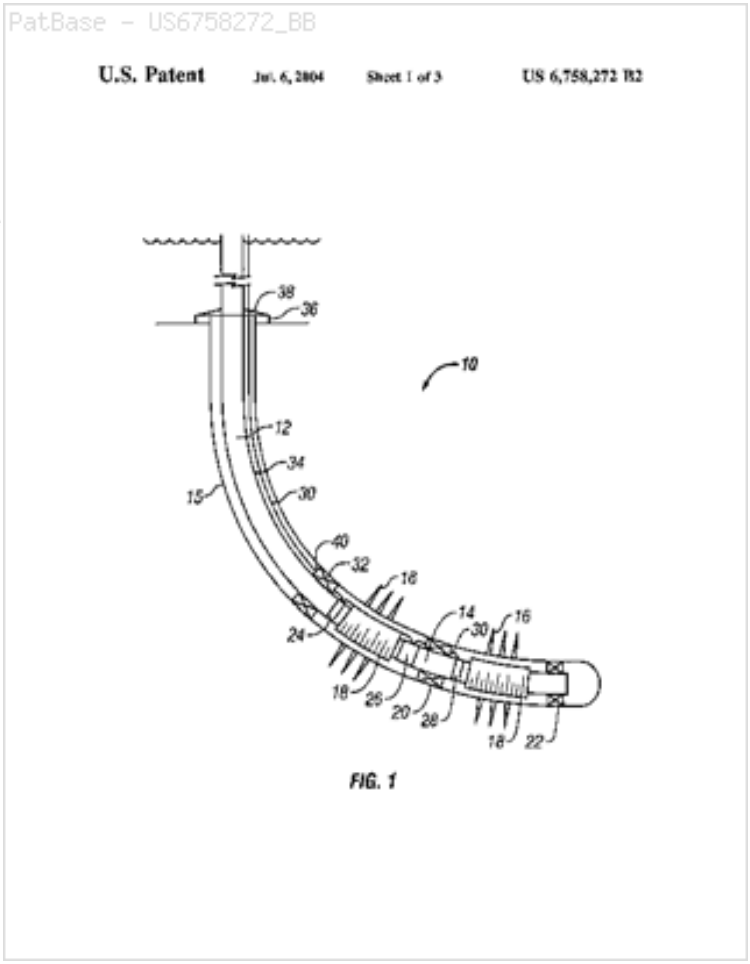


FIG. 1

0) US2193612A – PUMP

79) Family number: 29700660 (US2193612A) © PatBase

Title: Pump

Priority: US19320636791 19321008 US19370135846 19370409

Family:

Publication number	Publication date	Application number	Application date
US2087233 A	19370720	US19320636791	19321008
US2193612 A	19400312	US19370135846	19370409

Probable Assignee: EX CELL O CORP

Assignee(s):(std)**:** EX CELL O CORP

Assignee(s): EXCELL O CORP

Inventor(s):(std)**:** ALDEN CARROLL R

International class (IPC 8–9)**:** F02M41/08 F02M59/04 F02M69/00 F04B1/06 (Advanced/Invention); F02M41/08 F02M59/00 F02M69/00 F04B1/00 (Core/Invention)

International class (IPC 1–7)**:** F02M59/04 F02M69/00 F04B1/06

CPC: F02M41/08 F02M59/04 F02M69/00 F02M2700/1329 F04B1/06

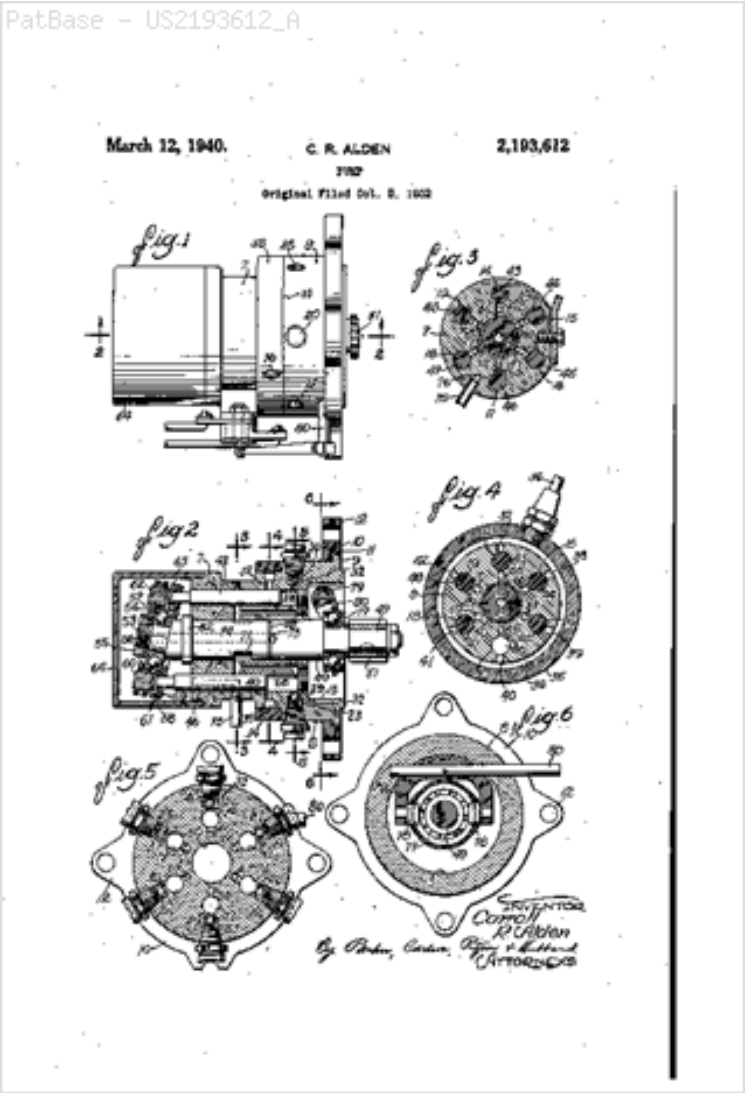
European class: F02M41/08 F02M59/04 F02M69/00 F04B1/06 R02M700/13E2

US class: 123/462 123/463 123/505 261/27 261/50.1 417/269 417/494 D15/007 D15/7

Classification Explorer

Forward Citations: US8627789, US4694804, US3469566, US3151561, US3044401, US2995292, US2713829, US2672819, US2645182, US2611318, US2585544, US2578561, US2534153, US2474396, US2452470, US2436797, US2418412, US2011005496, DE1010325,

Abstract:
Source: US2193612A 1. A pump comprising. in combination, a casing, a plurality of pump cylinders formed in said. casing in parallel uniformly peripherally spaced rotation, aplurality oi pistons respectively reciprocable in said cylinders, a plurality of fuel inlet ports opening respectively to said cylinders in a common transverse plane and adapted to be covered and uncovered Ln the reciprocation of said pistons. a plurality of fuel outlet ports opening from said cylinders, a valve bore in said casing, a rotary valve in said bore, a plurality of by−pass passages opening respectively from said cylinders to said valve bore. and means for reciprocating said pistons in uniformly timed sequence and for driving said valve in timed relation thereto to interconnect those of said by−pass passages opening to cylinders wherein the pistons are on their suction stroke.



0) DE8111834U1 – TROCKENFUELL– ODER BETONBEREITUNGSANLAGE IN CON...

80) Family number: 16527465 (DE8111834U1) © PatBase

Title: TROCKENFUELL– ODER BETONBEREITUNGSANLAGE IN CONTAINERBAUWEISE TROCKENFUELL OR CONCRETE PREPARATION PLANT CONSTRUCTION IN CONTAINERS (Machine translation)

Priority: DE19810011834U 19810418

Family:

Publication number	Publication date	Application number	Application date
DE8111834 U1	19841025	DE19810011834U	19810418

Probable Assignee: STETTER GMBH 8940 MEMMINGEN DE

Assignee(s): STETTER GMBH 8940 MEMMINGEN DE

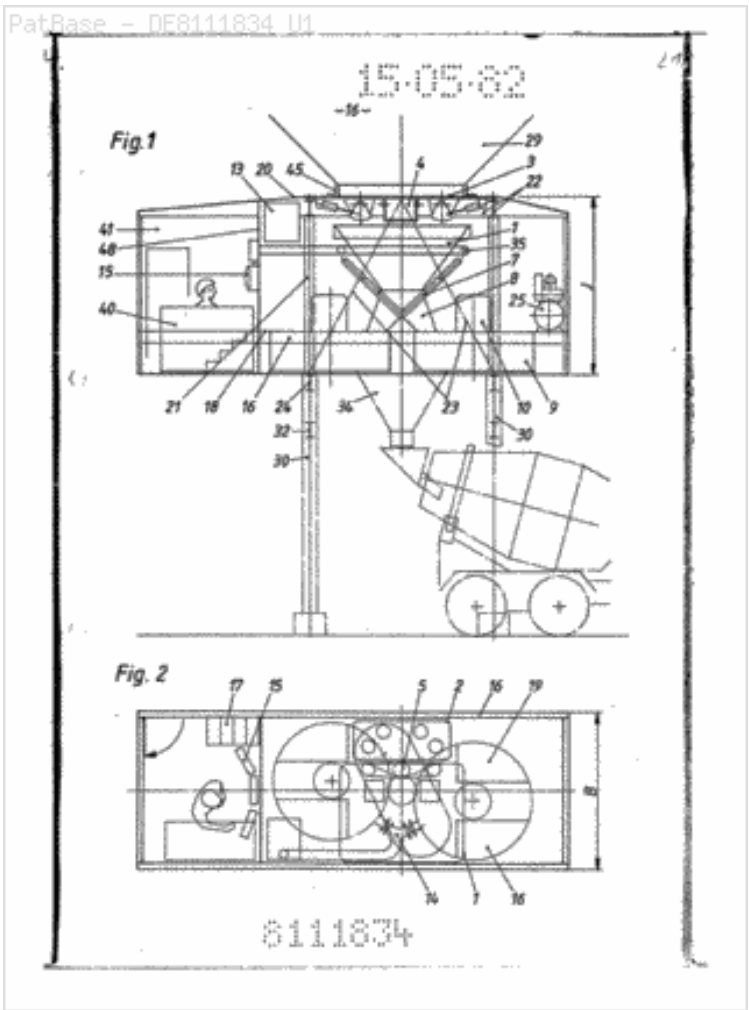
International class (IPC 8–9): B28C9/04 (Advanced/Invention); B28C9/00 (Core/Invention)

International class (IPC 1–7): B28C9/04

Classification Explorer

Forward Citations: DE202010003642, CN102189601,

Abstract:
Source: DE8111834U1 (Claim 1) 1. Trockenfuell– oder Betonbereitungsanlage, insbesondere in Turmbauweise, bestehend aus einer Siloanlage fuer die Zuschlagstoffe mit zugehoeriger Hochfoerderung, einer Siloanlage fuer Zement und pulvrige Zuschlagstoffe mit Zufoerdereinrichtung in einem Wiegebehaelter, einer unterfahrbaren Stuetzkonstruktion (A) sowie Einrichtungen fuer die Dosierung der Zuschlag– stoffe, des Zementes, der Zusatzstoffe und Zusatzmittel, Einrichtungen zur Verwiegung, der Abgabe und Verteilung, der Anzeige, der mechanischen Krafteinleitung, vorzugsweise einem Druckluft–Krafterzeuger und mit einem oder mehreren Mischern, sowie der Steuereinheit mit Programmierung der Gesamtanlage (B), dadurch gekennzeichnet, dass saemtliche Funktionsteile (B–Teile) der Trockenfuellstation oder der Beton– bereitungsanlage zu einem vollintegrierten, fabrikmaessig hergestellten und funktionsgeprueften sowie wahlweise vollkommen wettergeschuetzten strassen–, schiff–und bahntransportablen Containerbaueinheit zusammengefasst sind.



Machine translation: (Claim 1) 1 Trockenfuell or concrete production plant, in particular in tower construction, consisting of a silo for the aggregates with associated high promotion, a silo for cement and powdery aggregates with Zufoerdereinrichtung in a Wiegebehaelter, one among mobile Stuetzkonstruktion (A) as well as facilities for the dosage of aggregate materials, the marked cement, additives and admixtures, equipment for weighing, supply and distribution, display, mechanical force, preferably an air–force generator and one or more mixers, and the control unit to program the entire system (B), wherein all functional parts (parts B) or Trockenfuellstation the streets, the concrete treatment system to a fully integrated and function–tested and manufactured fabrikmaessig either completely wettergeschuetzten ship–and ground–transportable Containerbaueinheit are summarized.

0) US4321938A – DOSING DEVICE

81) Family number: 1805076 (US4321938A) © PatBase

Title: DOSING DEVICE

Priority: DE19792927617 19790707 DE19803060915 19800606 EP19800103144 19800606

Family:

Publication number	Publication date	Application number	Application date
AT1631 E	19821015	AT19800103144T	19800606
DE2927617 A1	19810108	DE19792927617	19790707
DE3060915 D1	19821111	DE19803060915	19800606
EP0022179 A1	19810114	EP19800103144	19800606
EP0022179 B1	19821006	EP19800103144	19800606
JP56014916 A2	19810213	JP19800090814	19800704
US4321938 A	19820330	US19800165182	19800701

Probable Assignee: CILLICHEMIE

Assignee(s):(std)**:** CILLICHEMIE

Assignee(s): CILLICHEMIE ERNST VOGELMAN GMBH AND CO ; CILLICHEMIE ERNST VOGELMANN GMBH AND CO

Inventor(s):(std)**:** BEANTRAGT NICHTNENNUNG ; RUUDEI JIRAA ; SILLER RUDI

Designated states: AT BE DE FR GB IT

International class(IPC 8–9)**:** C02F1/00 C02F1/68 F04B13/00 F04B23/02 G01F11/02 (Advanced/Invention); C02F1/00 C02F1/68 F04B13/00 F04B23/00 G01F11/02 (Core/Invention)

International class(IPC 1–7)**:** C02F1/00 E03C1/046 F04B13/00 F04B23/02 G01F11/02 G05D11/02 G05D11/03

CPC: Y10T137/2516 Y10T137/6137 Y10T137/86324 Y10T137/86348 F04B13/00 C02F1/686 F04B23/026

European class: C02F1/68P2 F04B13/00 F04B23/02C2

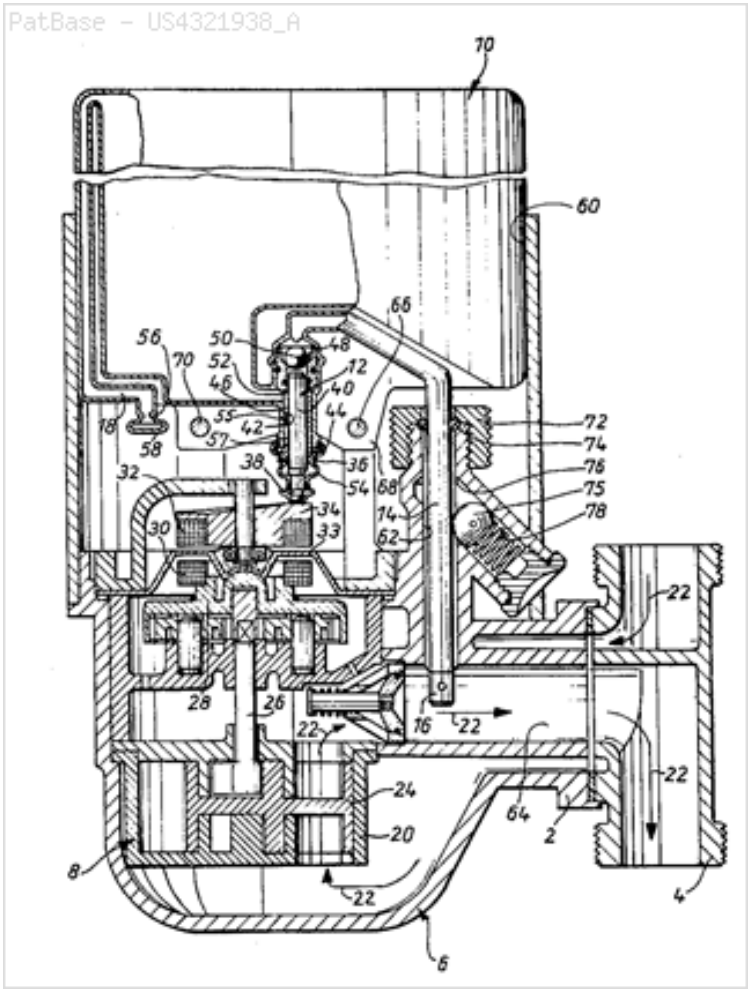
US class: 137/322 137/587 137/590 137/99 220/367.1 222/325 222/57 251/149.3 264/524

Classification Explorer

Cited documents: US4257440 A, US4236651 A, US4141467 A, US4135647 A, US3945366 A, US3549048 A, US3308955 A, US3138279 A, US2837105 A, US2148671 A, US2038833 A, US1726082 A, GB2023223 A1, FR2248080 A1, DE2524732 A1, DE2112654 A1, DE1802844 A1,

Forward Citations: WO9524556, WO0242055, US9578996, US9339968, US9314955, US9254617, US9221223, US9216537, US9044887, US9038862, US8968636, US8858214, US8834778, US8828308, US8827688, US8740609, US8727758, US8721315, US8714964, US8714963, US8684723, US8573964, US8435026, US8017064, US7914726, US7735685, US7141190, US6561287, US5558116, US2014203047, US2011135778, US2011024457, US2010225031, US2010136158, US2009218733, US2008029928, US2004265151, US2004113328, US2003188893, JP2011058777, ITPD20110240, FR2904381, FR2544890, EP1939348, EP1832746, EP1820966, EP1377726, EP1095573, EP0029979, DE3930709, DE3902116, AU681762, AT389136,

Abstract:
Source: US4321938A In a device for dosing a liquid effective substance into flowing water, a housing forms a flow path for the water and contains a drive mechanism arranged to be driven by the water. A disposable tank unit is mounted on the housing and includes a dosing pump and an injection valve. The dosing pump is driven by the drive mechanism and withdraws the liquid effective substance from the tank and directs it into the injection valve for introduction into the water flowing through the housing.



0) GB704756A – IMPROVEMENTS RELATING TO LIQUID MEASURING AND D...

82) Family number: 20012903 (GB704756A)

© PatBase

Title:	Improvements relating to liquid measuring and dispensing apparatus
Priority:	GB19500013688 19500601

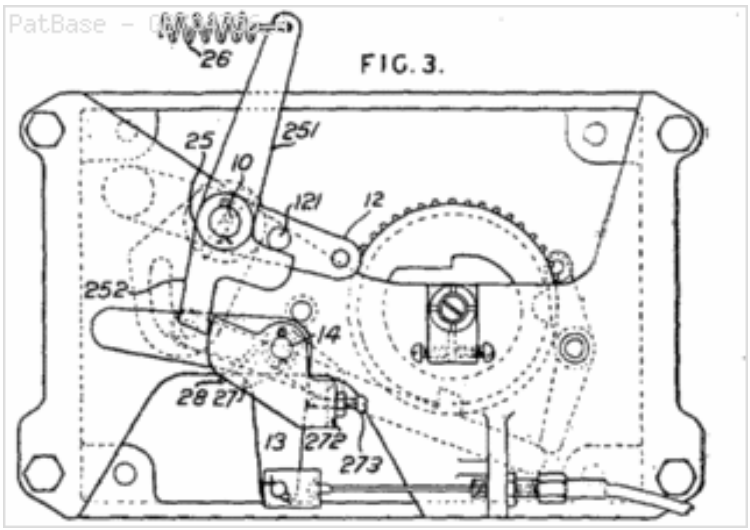
Family:

Publication number	Publication date	Application number	Application date
GB704756 A	19540303	GB19500013688	19500601

Probable Assignee:	WAYNE TANK AND PUMP CO LTD
Assignee(s):(std):	WAYNE TANK AND PUMP CO LTD
Assignee(s):	WAYNE TANK AND PUMP CO LIMITED
Inventor(s):(std):	SMALE NORMAN EDWIN
International class (IPC 8–9):	D06F33/00 (Advanced/Invention)
International class (IPC 1–7):	G01F13/00
CPC:	D06F33/00
European class:	42E21D D06F33/00

Classification Explorer

Abstract:
Source: GB704756A 704,756. Dispensing liquids. WAYNE TANK and PUMP CO., Ltd. Aug. 7, 1951 [June 1, 1950], No. 13688/50. Class 116 Liquid measuring and dispensing apparatus having preset mechanism incorporates a cocking lever on the motor switch operating shaft and means associated with the shaft to operate the switch, a catch member urged by a spring to retain the lever in cocked position after switching on the motor subsequently to opening the cutoff valve and means associated with the cut–off valve for tripping the catch member to free the cocking lever to operate the switch when the cut–off valve has moved to fully closed position on completion of the delivery operation. The apparatus incorporates preset mechanism such as is described in Specification 690,990. The apparatus is preset to the required amount, the shaft 10 is then rotated to switch on the motor, simultaneously opening the valve. A lever 25 on the shaft 10 is thereby rotated, one end 252 of the lever bears on and rotates a plate 27 on the valve operating shaft 14 carrying a lever 13 connected to the valve; the other end of the lever 25 is connected by a spring 26 to a fixed part. A torsion spring 28 is mounted on the shaft 14 and a yoke 272 embraces the lever 13 and a screw 273 contacts the lever. By rotating the plate 27 the screw 273 disengages from the lever, the end 252 rides over the plate, the plate being then free to rotate under the action of the spring 28 so that the lever end 252 abuts the surface of the plate, Fig. 3, locking it in position and keeping the motor switch closed and the screw 273 in contact with the plate. At the completion of delivery the valve shaft 14 is rotated and with it the plate 27, freeing the end 252, the lever 25 then being free to rotate to switch off the motor under the action of the spring 26 by engaging a roller 121 on an interlock lever 12. The motor can be switched off at any time during delivery by turning the shaft 10. So that a lighter spring 26 may be used the switch operating rod is associated with a weight. Specification 690,991, [Group XXIX], also is referred to.



0) DE202010008927U1 – THERMISCHES VERBUND–SYSTEM FUNKTIONELL ZUSAMMEN...

83) Family number: 48934564 (DE202010008927U1) © PatBase

Title: Thermisches Verbund–System funktionell zusammenhaengender Gegenstaende Thermal compound system of functionally connected articles (Machine translation)

Priority: DE200910044441 20091030 DE201020008927U 20101030

Family:

Publication number	Publication date	Application number	Application date
DE202010008927 U1	20110505	DE201020008927U	20101030

Probable Assignee: SCHATZ VIKTOR

Assignee(s):(std): SCHATZ VIKTOR

International class (IPC 8–9): F16L59/12 (Advanced/Invention)

CPC: F16L51/025 F16L59/065 F16L59/11

European class: F16L51/02J F16L59/065 F16L59/11

Classification Explorer

Cited documents: EP0619452 B1,

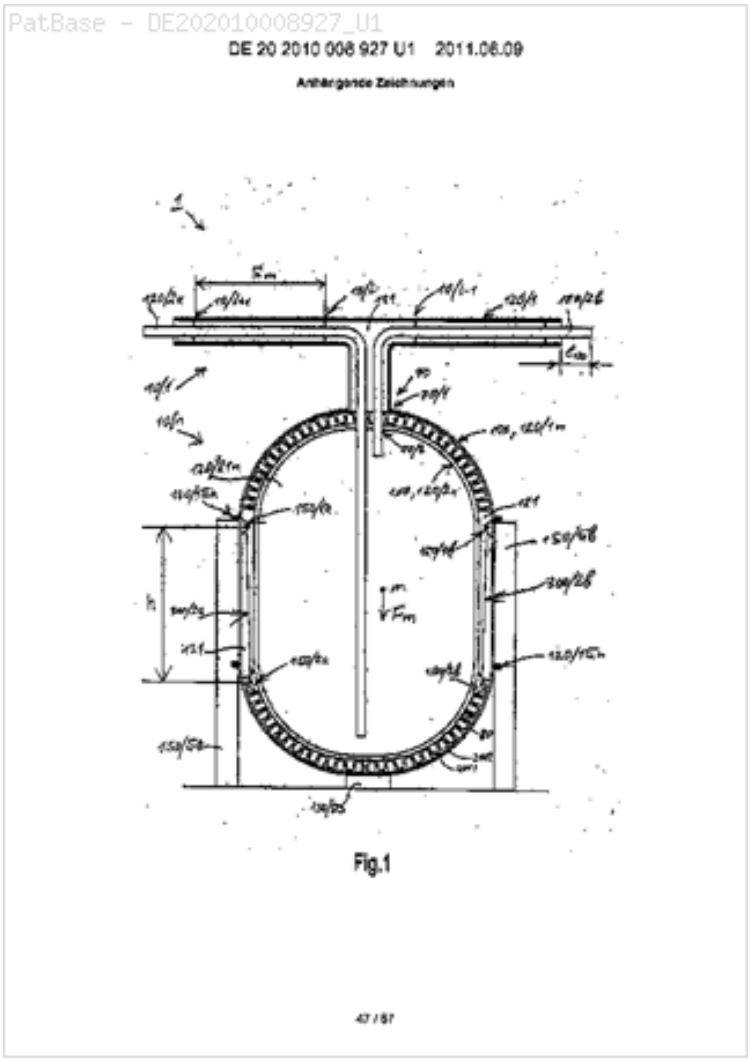


Fig.1

Abstract:
Source: DE202010008927U1 (Claim 1) 1. Thermisches Verbund–System (1) aus funktionell zusammenhaengenden thermoisolierenden oder thermoisolierten Ummantelungs–Gegenstanden (2), wobei wenigstens zwei Gegenstaende (2/1, 2/2) mit durch wenigstens jeweils eine evakuierbare Abstandhalteranordnung (10) gegen wenigstens eine beaufschlagende Kraft (Fm, F[Delta]p) beabstandeten nutzraumseitigen und umgebungsraumseitigen Wandungen (106, 107) und/oder Oberflaechen, die eine jeweilige Aussen– und eine Innenhuelle ausbilden, ausgestattet sind, und im jeweiligen Hohlraum (121, 121/1, 121/2) zwischen den beabstandeten Wandungen (106, 107) oder Oberflaechen ein fluides Medium oder Vakuum (121) vorgesehen und/oder bewirkbar ist, wobei jeweils eine nutzraumseitige und eine umgebungsraumseitige gasdichte Barriere (106, 107, 140) vorhanden ist und jeweiliger Nutzraum (120/21) einen thermisch zu isolierenden Inhalt beherbergt und/oder durchleitet, wobei die Wandungen flach, beliebig gekruemmt und/oder gewellt/geriffelt sein koennen, dadurch gekennzeichnet, dass wenigstens zwei angrenzend angeordnete erster und zweiter Ummantelungs–Gegenstaende (2/1, 2/2) jeweils wenigstens umgebungsraumseitig (120/1) und/oder nutzraumseitig (120/2) gleichseitig einstueckig ausgebildete oder gasdicht verbundene Barriere/n (106, 107, 140, 120/1, 120/1n) aufweisen, sodass deren Hohlraeume (121/1, 121/2) einen zusammenhaengenden Gesamthohlraum (121) bilden. (Claim 1) 1. Thermal compound system (1) from functional which is connected thermalisolating or thermalisolated shroud–against–stood (2), whereby at least two articles (2/1, 2/2) also by at least in each case an evacuable measuring rod arrangement (10) against at least a subjecting strength (FM, F [delta] p) beabstandeten store–lateral and environment–spacelateral walls (106, 107) and/or surfaces, which train a respective outside and an interior

covering, are equipped, and in the respective cavity (121, 121/1, 121/2) between the beabstandeten walls (106, 107) or surfaces fluid a medium or a vacuum (121) intended and/or causable is, whereby in each case a store−lateral and a environment−spacelateral gas density barrier (106,) available and respective store (120/21) is accommodated 107, 140 contents of which can be isolated thermally and/or through−led, whereby the walls can be grooved flat, arbitrarily curved and/or curved/, thereby characterized that at least two adjacent arranged of first and second shroud articles (2/1, 2/2) at least in each case environment−spacelaterally (120/1) and/or store−laterally (120/2) equilaterally einstueckig trained or gas−tight connected Barriere/n (106, 107, 140, 120/1, 120/1n) to exhibit, so that their cavities (121/1, 121/2) a connected total cavity (121) to form.

0) US4606370A – FLOW–SWITCHING WATER–MIXING FAUCET ASSEMBLY

84) Family number: 18979516 (US4606370A) © PatBase

Title: FLOW–SWITCHING WATER–MIXING FAUCET ASSEMBLY

Priority: CA19850472177 19850116 DE19843401352 19840117 EP19850100236 19850111 DE19853564994 19850111

Family:

Publication number	Publication date	Application number	Application date
AT37221 E	19880915	AT19850100236T	19850111
CA1253414 A1	19890502	CA19850472177	19850116
DE3401352 A1	19850718	DE19843401352	19840117
DE3564994 D1	19881020	DE19853564994	19850111
DK163599 B	19920316	DK19850000200	19850116
DK163599 C	19920803	DK19850000200	19850116
DK20085 A	19850718	DK19850000200	19850116
DK20085 A0	19850116	DK19850000200	19850116
EP0149477 A2	19850724	EP19850100236	19850111
EP0149477 A3	19860122	EP19850100236	19850111
EP0149477 B1	19880914	EP19850100236	19850111
EP0149477 B2	19921007	EP19850100236	19850111
ES283865 U	19850501	ES19850283865U	19850109
ES283865 Y	19851216	ES19850283865U	19850109
ES283865 Y1	19860116	ES19850283865U	19850109
US4606370 A	19860819	US19850692036	19850116
ZA8409983 A	19860129	ZA19840009983	19841221

Probable Assignee: FRIEDRICH GROHE AND CO AG KG

Assignee(s):(std): GROHE ARMATUREN FRIEDRICH ; GROHE ARMATURENFABRIK GMBH AND CO FRIEDRICH ; GROHE FRIEDRICH ARMATURENFABRIK AND CO GMBH ; FRIEDRICH GROHE AKTIENGESELLSC ; FRIEDRICH GROHE AKTIENGESELLSCHAFT

Assignee(s): FRIEDRICH GROHE ARMATURENFABRICK GMBH AND CO ; FRIEDRICH GROHE AND CO AG KG ; FRIEDRICH GROHE ARMATURENFABRIK GMBH ; FRIEDRICH GROHE AG ; FRIEDRICH GROHE ARMATURENFABRIK GMBH AND CO ; GROHE FRIEDRICH ARMATURENFABRIK G M B H AND CO ; GRENDEL VINZENZ ; GEIPEL WERNER ; GROHE FRIEDRICH ARMATURENFABRIK GMBH AND CO ; HEIMANN BRUNO

Inventor(s):(std): BRUNO HEIMANN ; GEIPEL WERNER ; GRENDEL VINZENZ ; HEIMANN BRUNO ; VINZENZ GRENDEL ; WERNER GEIPEL

Agent(s): SMART AND BIGGAR

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

International class (IPC 8–9): E03C1/04 F16K11/044 G05D11/00 (Advanced/Invention); E03C1/04 F16K11/02 (Core/Invention)

International class (IPC 1–7): E03C1/02 E03C1/04 F16K11/00 F16K11/044 F16K31/44 G05D11/00

CPC: Y10T137/2685 Y10T137/6977 Y10T137/7734 Y10T137/9464 F16K11/0445

European class: F16K11/044U

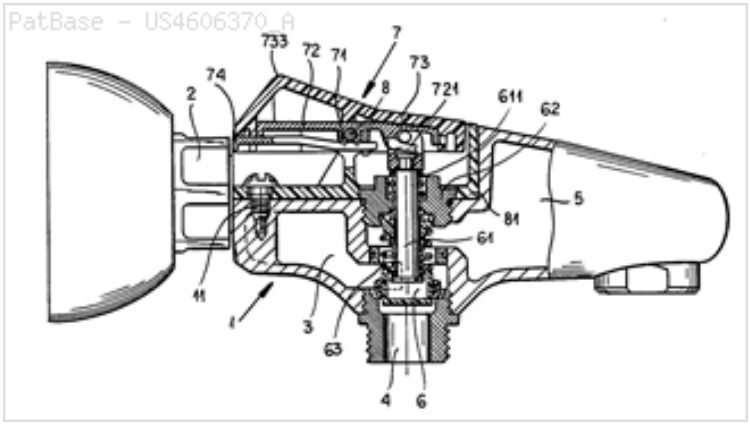
US class: 137/119 137/119.05 137/359 137/467 137/801

Classification Explorer

Cited documents: US3746031 A, US3545473 A, US3498546 A, US3192952 A, US3086748 A, US2986158 A, US2507467 A, US2206609 A, GB2121122 A1, FR1576074 A, DE2739196 C2, DE2725047 A1, DE2524176 A1, DE2424044 A1, DE2125762 A1, DE1970312 U, DE1775781 A1,

Forward Citations: WO06128605, USD663804, USD663383, US9581255, US8763624, US8448667, US8424781, US8220480, US8152078, US7871020, US7850098, US7343930, US7082626, US7000854, US6449784, US6085790, US6065694, US5845670, US5608928, US5279005, US5148551, US5082023, US5069241, US4987924, US4874006, US2016305100, US2012211108, US2011091403, US2008223462, US2006117477, US2004112985, ES2114360, EP2085669, DE10259008,

Abstract:
Source: US4606370A An operating mechanism for a fluid flow shifting valve of a sanitary mixing faucet assembly or the like of, for example, a bathtub and shower, which raises or lowers a flow shifting valve stem guided in the mixing faucet body so as to shift the fluid flow between two outlets, comprises an operating lever pivotally connected to the valve stem and also attached pivotally to a preferably rodlike, centrally located pivot bearing, wherein the lever arm of the operating lever is proportioned so that a reduced applied force is sufficient to effect a shift in fluid flow. Advantageously the operating lever may be provided with a press contact or a lever cap attached to its top for ease of operation. The operating mechanism is essentially integrated in the mixing faucet body so that it does not protrude significantly.



0) CH248644A – VERFAHREN ZUR GLEICHMAESSIGEN DOSIERUNG DER DEM...

85) Family number: 25120216 (CH248644A) © PatBase

Title: VERFAHREN ZUR GLEICHMAESSIGEN DOSIERUNG DER DEM WASSER BEI DER ERZEUGUNG VON LUFTSCHAUM FUER FEUERLOESCHZWECKE ZUZUSETZENDEN SCHAUMBILDNERMENGE UND VORRICHTUNG ZUR DURCHFUEHRUNG DIESES VERFAHRENS. METHOD FOR THE DOSAGE GLEICHMAESSIGEN THE WATER IN THE PRODUCTION OF AIR FOAM FOR FIRE CLEAR PURPOSES be added SCHAUMBILDNERMENGE AND DEVICE FOR IMPLEMENTING THE METHOD. (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
CH248644 A	19470515		19430831

Probable Assignee: MINIMAX AG

Assignee(s):(std)**:** MINIMAX AG

Assignee(s): MINIMAX AKTIENGESELLSCHAFT

Inventor(s): AKTIENGESELLSCHAFT MINIMAX ; MINIMAX AG

International class (IPC 8–9)**:** B01F5/04 (Advanced/Invention); B01F5/04 (Core/Invention)

International class (IPC 1–7)**:** A62C5/02

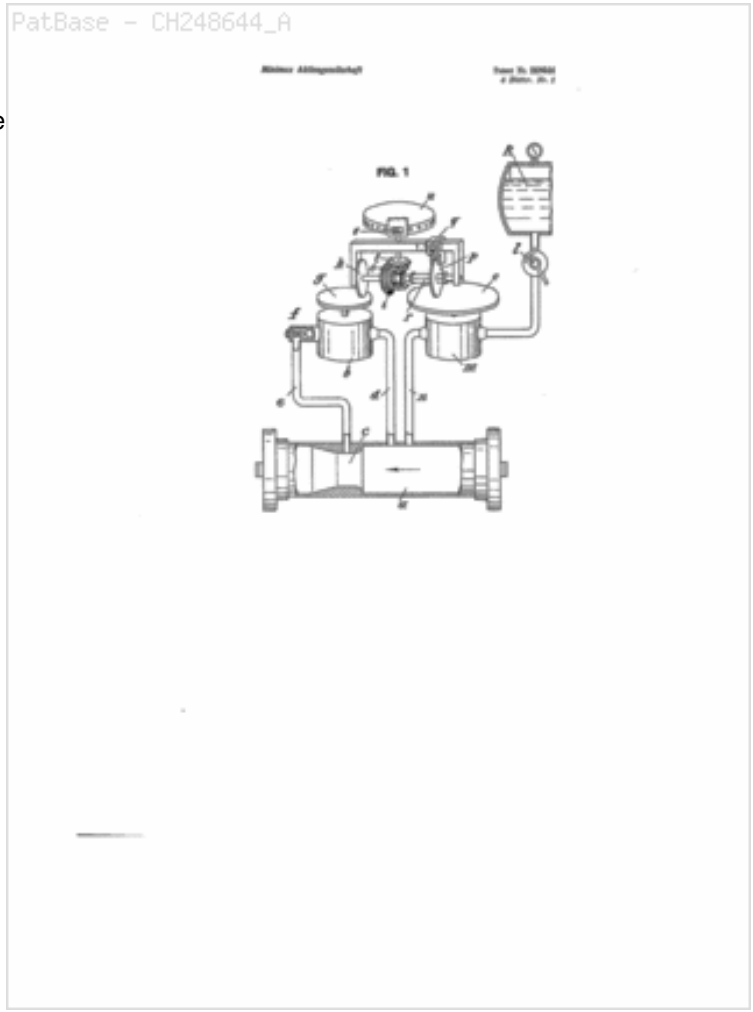
CPC: B01F5/0411

European class: B01F5/04C11B6

Classification Explorer

Abstract:
Source: CH248644A (Claim 1) 1. Verfahren nach Patentanspruch I, dadurch gekennzeichnet, dass man n fuer die Men–genmessung des Betriebswassers und fuer die Mengenmessung des Schaumbildners gleich–artige Einrichtungen verwendet.

Machine translation: (claim 1) 1 Method according to claim I, characterized in that n represents the human genmessung of the process water and for the volume measurement of the foaming agent is–like devices used.



0) WO05030657A1 – MODULAR PANEL UNIT FOR PRODUCING PURIFIED WATER...

86) Family number: 31796149 (WO05030657A1) © PatBase

Title:	MODULAR PANEL UNIT FOR PRODUCING PURIFIED WATER HAVING SECURITY FEATURES
Priority:	US20030506580P 20030926

Family:

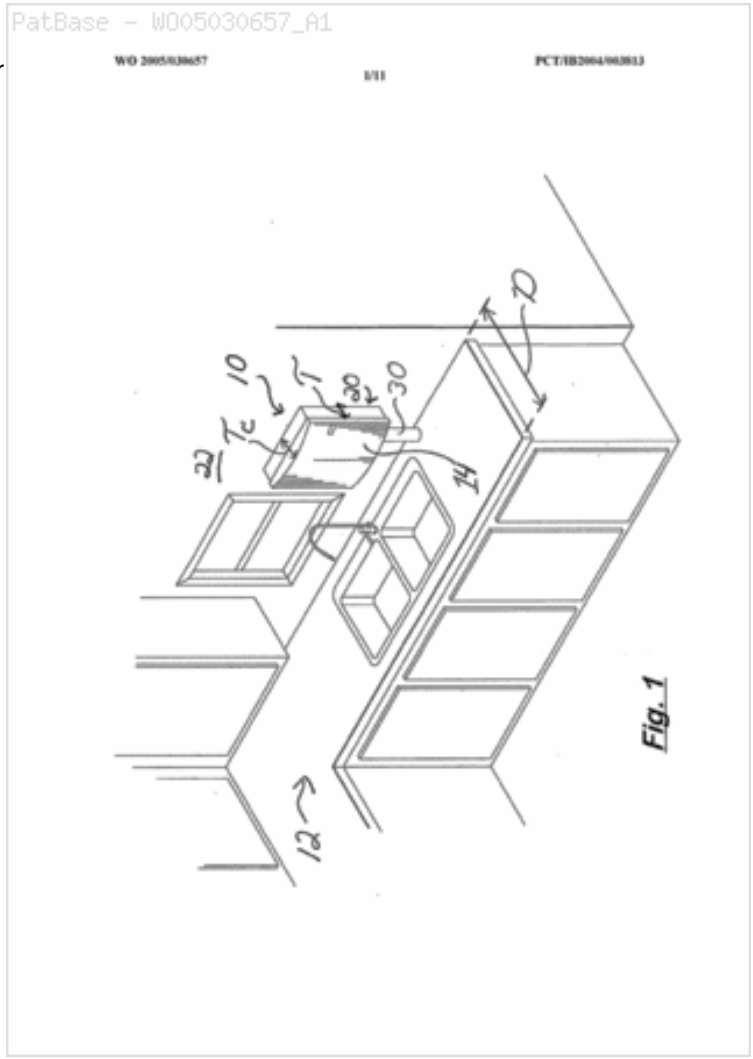
Publication number	Publication date	Application number	Application date
WO05030657 A1	20050407	WO2004IB03813	20040927

Probable Assignee:	PROVITAL AS
Assignee(s):(std):	PROVITAL AS ; THORSEN KJELD
Assignee(s):	PROVITAL A S
Inventor(s):(std):	THORSEN KJELD
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):	B01D61/08 B67D1/00 C02F9/00 (Advanced/Invention); C02F1/28 C02F1/44 (Advanced/Non–invention); B01D61/02 (Core/Invention)
International class (IPC 1–7):	C02F9/00
CPC:	B01D61/08 B67D1/0009 B67D1/0872 B67D2210/0001 B67D2210/00034 B67D2210/00039 C02F1/283 C02F1/441 C02F9/005
European class:	B01D61/08 B67D1/00E4 B67D1/08F C02F9/00B L67D210/00B2D L67D210/00D2B L67D210/00D2D M02F1/28D M02F1/44B

Classification Explorer

Cited documents: US6228255, US5679243, US4909931, US4110219, US4049550, FR2200202,

Abstract:
A space−saving water purification system produces safe and pure water, for example, for drinking, cooking and other household, office, school, and business uses. The purification system is housed in one or more compact, thin−profile, aesthetically−pleasing "cabinets" or "panels" that may be hung on the surface of a without requiring cutting into or other significant modification of the wall. Compact, aesthetically−pleasing cover/conduits may be provided, for water and electrical lines, that also may extend along the surface of existing walls within being imbedded or recessed into the wall. Compact, high−pressure housings include an annular sealing system that seals around the inside circumference of the main housing body, along side the process element rather than axially spaced from the element at an end of the housing. An discreet, nearly−hidden lock may be used to prevent unauthorized people from opening the cabinets.



0) AT234834B – EINRICHTUNG ZUR VERRECHNUNG DES VERBRAUCHES EIN...

87) Family number: 40442808 (AT234834B)

© PatBase

Title: EINRICHTUNG ZUR VERRECHNUNG DES VERBRAUCHES EINES STROEMENDEN MEDIUMS DURCH EINZELNE ABNEHMER DEVICE FOR THE CLEARING OF USAGE OF STREAMING MEDIA BY INDIVIDUAL CUSTOMER (Machine translation)

Priority: 19610915

Family:

Publication number	Publication date	Application number	Application date
AT234834 B	19640727	AT19610007581	19611009

Probable Assignee: ELECTROMETRE

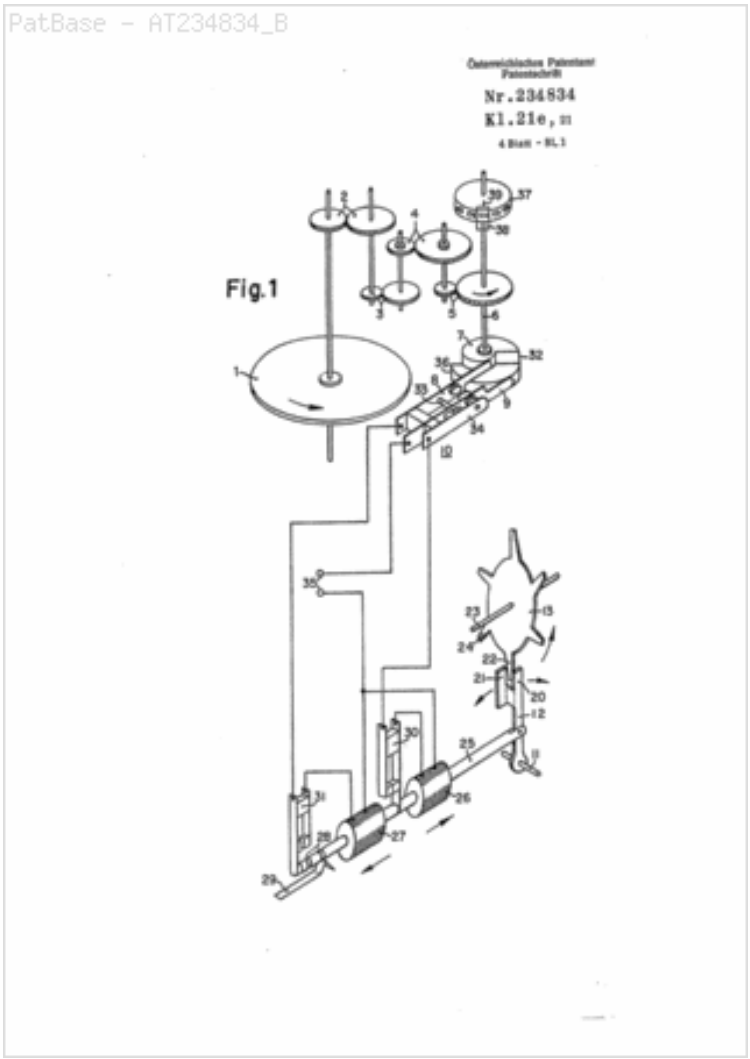
Assignee(s):(std)**:** ELECTROMETRE

Assignee(s): ELECTROMETRE S A

Inventor(s):(std)**:** WINIGER EDGAR

Inventor(s): EDGAR WINIGER

Abstract:
Source: AT234834B [Source: Claim 1] 1.



0) US9186232B – HYPERBARIC OXYGEN THERAPY CHAMBER AND SYSTEM FO...

88) Family number: 60800551 (US9186232B) © PatBase

Title: HYPERBARIC OXYGEN THERAPY CHAMBER AND SYSTEM FOR USE IN VETERINARY MEDICINE

Priority: US20120598534P 20120214 US20130767128 20130214

Family:

Publication number	Publication date	Application number	Application date
US9186232 BA	20151117	US20130767128	20130214

Probable Assignee: OTTO EDGAR

Assignee(s):(std)**:** OTTO EDGAR

Inventor(s):(std)**:** OTTO EDGAR

Agent(s): MARK D; MALIN HALEY DIMAGGIO AND BOWEN PA

International class (IPC 8–9)**:** A61B5/00 A61D3/00 A61D7/00 A61G10/00 A61G10/02 A61G10/04 A61M16/00 (Advanced/Invention)

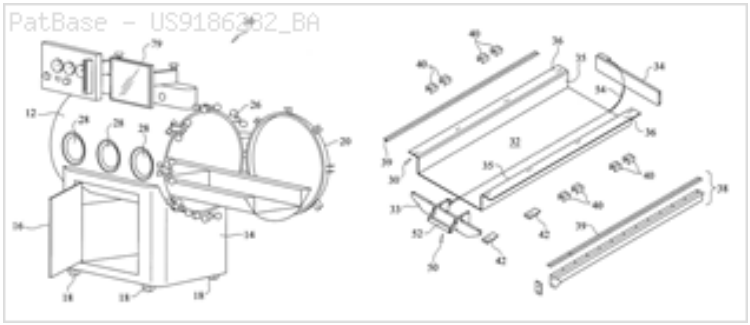
CPC: A61B5/0013 A61B5/0077 A61D3/00 A61M16/0051 A61D7/04 A61G10/026 A61D7/00

US class: 1/1

Classification Explorer

Cited documents: US7665463 BB, US7402137 BB, US6497231 BA, US6443148 BA, US6352076 BA, US5109837 A, US4941431 A, US4727870 A, US4577628 A, US4365590 A, US4305347 A, US4227524 A, US4085705 A, US3587574 A, US2007175475 AA,

Forward Citations: CN105362024,



Abstract:
Source: US9186232B Systems and methods for use in providing hyperbaric oxygen therapy ("HBOT") sessions to veterinary patients includes providing HBOT chambers specifically adapted for use with veterinary patients. HBOT chambers are adapted with a rail mounted platform upon which one or more animals may be supported and confined within an enclosure during the application of HBOT. Viewing ports are provided at the appropriate level to allow the pets being treated to see out from their position within the chamber. The system is provided with a closed circuit video system including a plurality of chamber mounted cameras configured allow for remote monitoring of the animals within the chamber, and a room mounted camera configured to allow for remote monitoring of the chamber and surrounding environment. Remote central station monitoring allows for widespread deployment of hyperbaric chambers in accordance with a business method wherein revenue is generated on per−use and/or per−patient basis.

0) DE417818A – SELBSTTAETIGE ZUGSIGNAL– UND KONTROLLVORRICHTUN...

89) Family number: 18818131 (DE417818A)

© PatBase

Title: SELBSTTAETIGE ZUGSIGNAL– UND KONTROLLVORRICHTUNG SELBSTTAETIGE ZUGSIGNAL– AND CONTROL DEVICE (Machine translation)

Family:

Publication number	Publication date	Application number	Application date
DE417818 A	19250821		00000000

Probable Assignee: HEINRICH KARL

Assignee(s):(std)**:** HEINRICH KARL

International class (IPC 8–9): B61L3/10 (Advanced/Invention); B61L3/00 (Core/Invention)

International class (IPC 1–7): B61L3/02

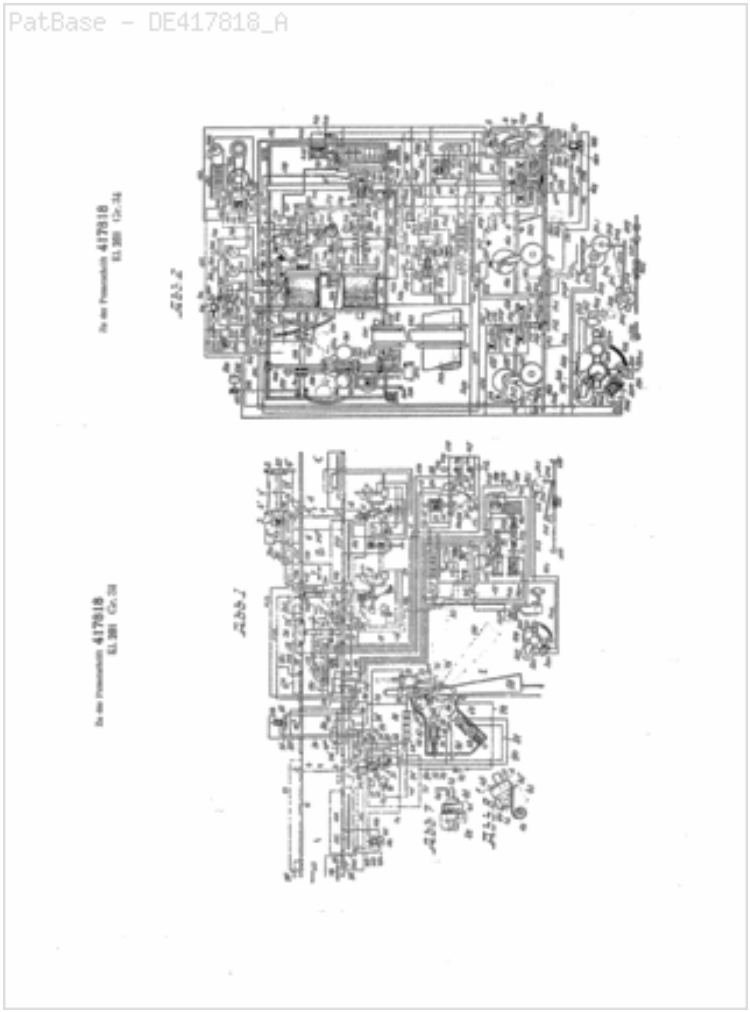
CPC: B61L3/106

European class: B61L3/10B

Classification Explorer

Abstract:
Source: DE417818A (Claim 1) **WARNUNG** Anfang CLMS Feld konnte Ende DESC uberlappen **. welle 549.

Machine translation: (claim 1) ** WARNING ** end of DESC field early CLMS could overlap. ** wave 549th



0) GB733156A – A NEW OR IMPROVED COIN INSERTION PREPAYMENT MEC...

90) Family number: 19806120 (GB733156A)

© PatBase

Title: A new or improved coin insertion prepayment mechanism

Priority: GB19510030104 19511224

Family:

Publication number	Publication date	Application number	Application date
GB733156 A	19550706	GB19510030104	19511224

Probable Assignee: SYDNEY HARRISON

Assignee(s):(std): METROPOLITAN GAS METERS LTD ; SYDNEY HARRISON

Assignee(s): METROPOLITAN GAS METERS LIMITED

International class (IPC 8–9): G07F15/02 (Advanced/Invention); G07F15/00 (Core/Invention)

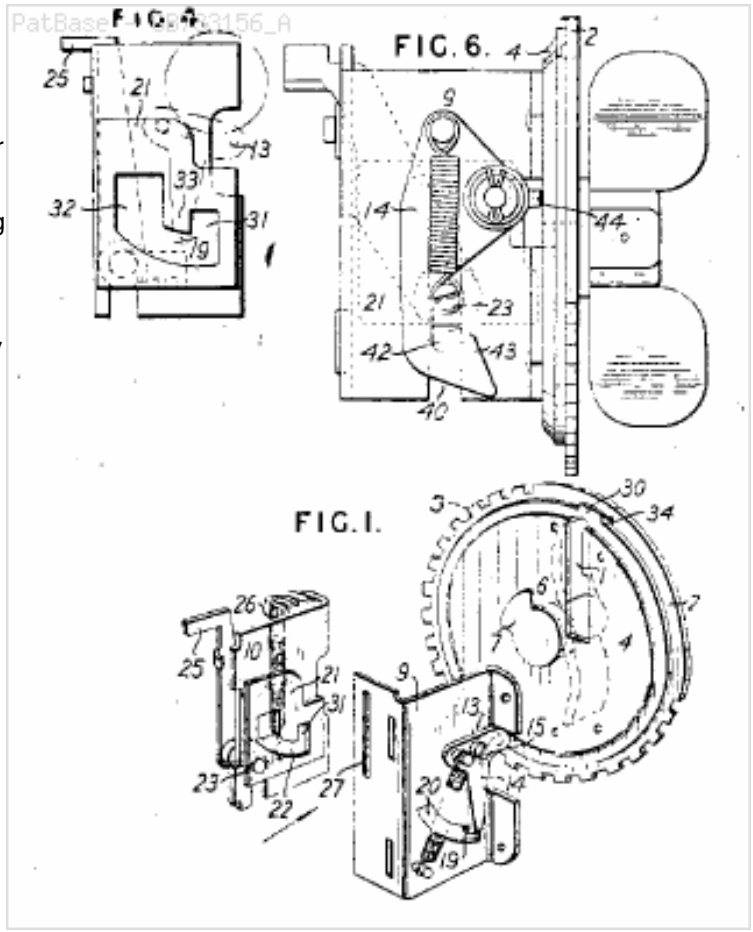
International class (IPC 1–7): G07F5/02

CPC: G07F15/02

European class: G07F15/02

Classification Explorer

Abstract:
Source: GB733156A 733,156. Prepayment meters. METROPOLITAN GAS METERS, Ltd., and HARRISON, S. Oct. 31, 1952 [Dec. 24, 1951], No. 30104/51. Class 27. A prepayment mechanism for gas, electric, water and other meters and operable by a selected coin of two different diameters has a single coin slot 1 and detector means 14 for detecting the insertion of a coin of intermediate diameter and preventing operation of the mechanism consequent upon such insertion. A pair of interlocking pressings 9, 10 are secured to the rear of a disc 4 rotatable on a disc 2 adjustably fixed on the meter housing by serrations 3 and between them, in register with the coin slot, a plate 21 is slidable against the action of a spring 26 and is connected by a pin 23 to a striker 25 projecting through a slot 27 in the pressing 10. The spring–loaded detector lever 14 is pivoted at 15 and has a roller 13 projecting across the coin pocket between the pressings 9, 10 and a lug 19 projecting through a slot 20 into a slot 22 in the plate 21, the slot 22 being formed with recesses 31, 32. If a sixpence is inserted, it clears the roller 13 but depresses the plate 21 until the lug 19 engages the top of the recess 31, so setting the striker 25 to engage a quantity wheel corresponding to the value of sixpence. If a shilling is inserted, it depresses the roller 13 and pivots the lever 14 so that the projection 19 moves into the longer recess 32, thus allowing a greater movement of the plate 21 and setting the striker to engage a further quantity wheel corresponding to the value of a shilling. If a coin of a diameter intermediate a sixpence and a shilling is inserted, as shown in Fig. 4., the projection 19 engages below the leg 33 between the recesses thus preventing depression of the plate 21 and full insertion of the coin. The mechanism is rotated to set the selected quantity wheel by a shaft 6 having a projection 7 that engages the side of pressing 10 and a lug 34 and projection 30 limit the return rotation of the mechanism. As a further safeguard, the shaft 6 may have a leaf fitted between the discs 2, 4 so as to engage a coin that has not been fully inserted and thus prevent rotation of the mechanism. In a modification, Fig. 6, the lever 14 has a detector lug 44 and a hook–shaped end and the pin



23 on the plate 21 projects through a slot 40 in the pressing 9. Coins of the prescribed diameters either set the lever 14 so that the recess is below the pin 23 or move the lever clear of the pin and coins of intermediate diameter bring a projection 43 below the pin to prevent depression of the plate 21. Specification 704,477 is referred to.

0) ES1067449U – BUZON COMUNITARIO PARA LLAVES DE ACCESO A OPERA...

91) Family number: 41808170 (ES1067449U)

© PatBase

Title: BUZON COMUNITARIO PARA LLAVES DE ACCESO A OPERARIOS DE SERVICIOS MAILBOX KEYS COMMUNITY ACCESS SERVICES OPERATORS (Machine translation)

Priority: ES20080000434U 20080229

Family:

Publication number	Publication date	Application number	Application date
ES1067449 UA	20080516	ES20080000434U	20080229
ES1067449 Y1	20080816	ES20080000434U	20080229

Probable Assignee: INSTALACIONES Y MANUFACTURAS A

Assignee(s):(std)**:** INSTALACIONES Y MANUFACTURAS A

Assignee(s): INSTALACIONES Y MANUFACTURAS ARTILES S L

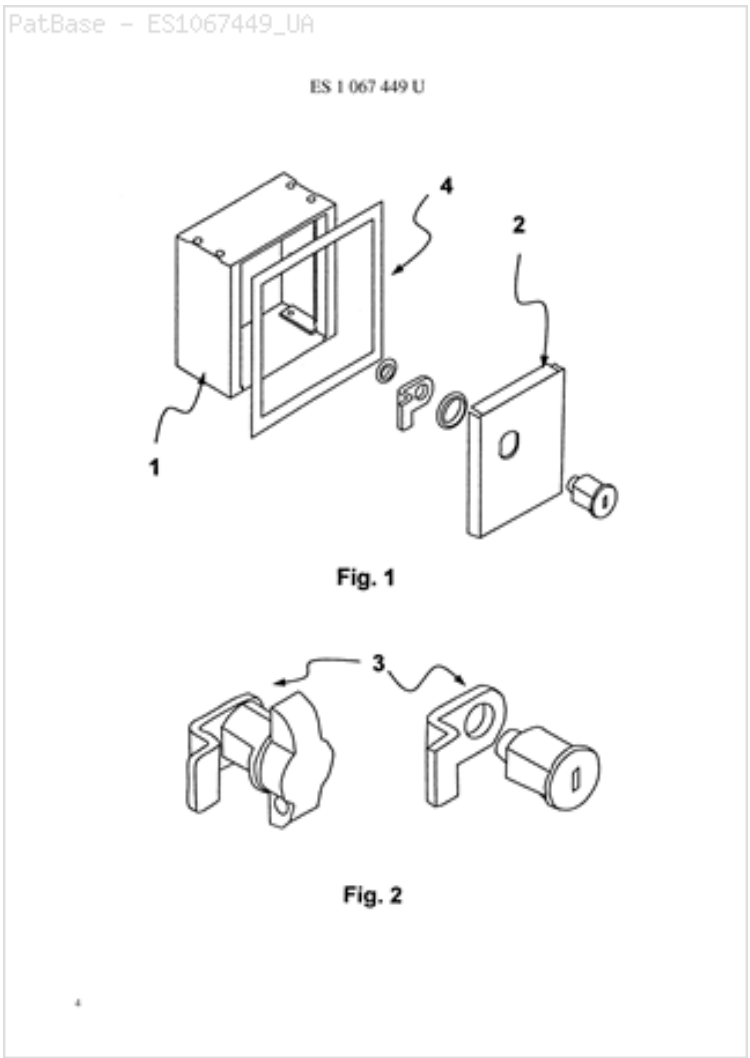
Inventor(s):(std)**:** ARTILES BOLANOS TITO NATANAEL ; GARCIA QUINTANA GUSTAVO ; GONZALEZ ORTEGA RUYMAN

International class (IPC 8–9): A47G29/14 (Advanced/Invention); A47G29/00 (Core/Invention)

Classification Explorer

Abstract:
Source: ES1067449U (Claim 1) 1. Buzon comunitario para llaves de acceso a operarios de servicios, que se **caracteriza** por estar compuesto por una caja de acero inoxidable y por una puerta con una cerradura de seguridad, y porque que puede ser instalado tanto empotrado como sobrepuesto.

Machine translation: (Claim 1) 1. Community Mailbox keys operators access to services, which are characterized To be composed of a stainless steel case and a door with a safety lock, and because it can be installed both recessed and superimposed.



0) US3051456A – AGITATING DEVICE

92) Family number: 22798466 (US3051456A) © PatBase

Title:	AGITATING DEVICE
Priority:	US19590830142 19590728

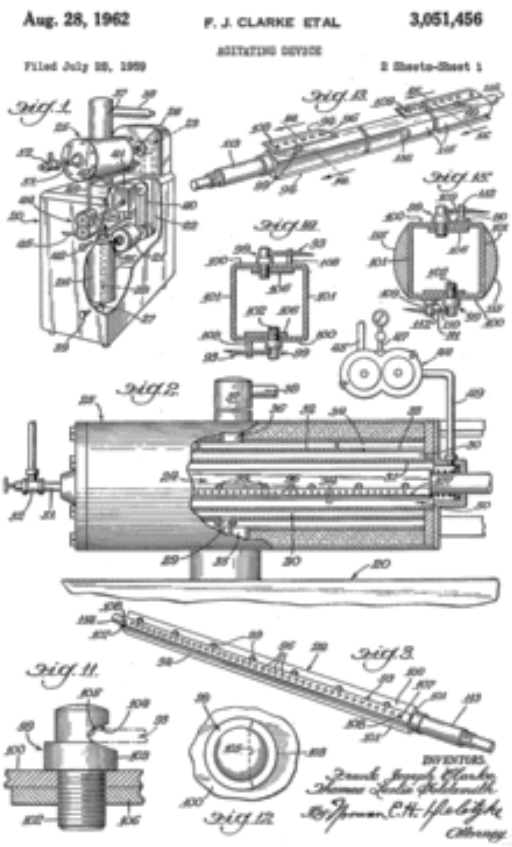
Family:

Publication number	Publication date	Application number	Application date
US3051456 A	19620828	US19590830142	19590728

Probable Assignee:	CLARKE BUILT LTD
Assignee(s):(std)**:**	CLARKE BUILT LTD
Assignee(s):	CLARKE BUILT LIMITED
Inventor(s):(std)**:**	JOSEPH CLARKE FRANK ; LESLIE GOLDSMITH THOMAS
Inventor(s):	CLARKE FRANK JOSEPH ; GOLDSMITH THOMAS LESLIE
International class (IPC 8–9)**:**	A23G9/20 A23G9/22 B01F13/10 B01F5/14 B01F7/04 (Advanced/Invention); B01F7/00 (Advanced/Non–invention); A23G9/04 B01F13/00 B01F5/00 B01F7/02 (Core/Invention); B01F7/00 (Core/Non–invention)
CPC:	A23G9/20 A23G9/224 B01F5/14 B01F7/003 B01F7/00533 B01F7/007 B01F7/04 B01F13/1027
European class:	A23G9/20 A23G9/22H B01F13/10C2 B01F5/14 B01F7/00B16F3B B01F7/04 L01F7/00B16B5A L01F7/00C4B
US class:	366/162.2 366/312 418/169 62/342
Classification Explorer	
Cited documents:	US2810557 A, US2576995 A, US2538716 A, US2526367 A, US2425671 A, US2306602 A, US2282298 A, US2278340 A, US2211387 A, US2063065 A, US1907486 A,
Forward Citations:	US4566287, US3902704, US3389567, US3330127, US3190082, US3166443,

Abstract:
Source: US3051456A (Claim 1) An agitator and scraper blade supporting device adapted to be mounted coaxially within an elongated and cylindrical product processing cylinder having a product inlet end and a product outlet end, comprising, an elongated and imperforate shaft means having at the product inlet portion thereof a substantially square cross section extending lengthwise thereof throughout approximately 25 one–half of the length of said shaft means and having on that portion an outer surface comprised of four longitudinally extending straight and flat major surfaces of substantially equal width and of substantially equal length and having throughout the remaining portion of the length 30 of said shaft means at the outlet portion thereof a pair of substantially equal length and substantially equal width and parallel and opposed major flat surfaces which extend longitudinally of said shaft and which are joined along their juxtaposed edges by two outwardly convex 35 and opposed and uniformly curved major surfaces of equal length and of equal width and uniformly spaced from the longitudinally extending central axis of said shaft means, said curved major surfaces each having a radius equal to the radial spacing af the edges of said –0 pair of parallel and opposed flat surfaces.

PatBase - US3051456_A



0) DE102013111201A1 – SENSORADAPTER, VERBINDUNGSELEMENT, ANORDNUNG AU...

93) Family number: 59001622 (DE102013111201A1) © PatBase

Title: SENSORADAPTER, VERBINDUNGSELEMENT, ANORDNUNG AUS SENSORADAPTER UND ULTRASCHALLDURCHFLUSSMESSGERAET SENSOR ADAPTER CONNECTOR, ARRANGEMENT OF SENSOR ADAPTER AND ultrasonic flowmeter (Machine translation)

Priority: DE201310111201 20131010

Family:

Publication number	Publication date	Application number	Application date
DE102013111201 A1	20150416	DE201310111201	20131010

Probable Assignee: FLOWTEC AG

Assignee(s):(std)**:** FLOWTEC AG

Assignee(s): ENDRESS AND HAUSER FLOWTEC AG

Inventor(s):(std)**:** BERGER ANDREAS ; WIEST ACHIM

International class (IPC 8–9): G01D11/30 G01F1/66 G01F15/18 (Advanced/Invention)

CPC: G01D11/30 G01F15/18 G01F1/662

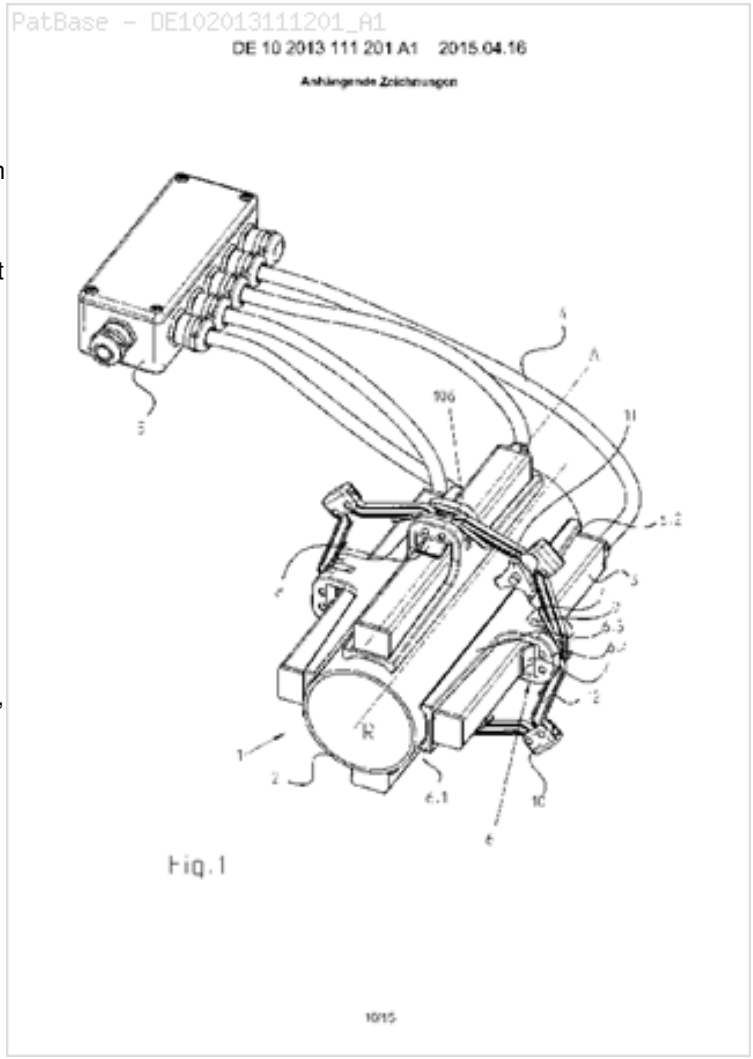
Classification Explorer

Cited documents: WO12047621 A1, WO10009973 A1, US6397683 BA, US4286470 A, US3955425 A,

DE102012009076 A1

DE102007023802 A1

Abstract:
Source: DE102013111201A1 Ein Sensoradapter (6, 14, 23, 53, 59, 61, 68) zur Festlegung zumindest eines Ultraschallsensorelements (3, 43) an einem Rohr (2, 13, 40, 52, 67), wobei der Sensoradapter (6, 14, 23, 53, 59, 61, 68) einen Adapterkorpus (6.4, 23.1) aufweist an oder in welchem der Ultraschallsensorelement (3, 43) am Rohr (2, 13, 40, 52, 67) festlegbar ist und wobei am Adapterkorpus (6.4, 23.1) zumindest ein erster Abstandshalter (12, 17, 26, 47, 54, 66, 69) vorgesehen ist, zur Beabstandung des Sensoradapters (6, 14, 23, 53, 59, 61, 68) von einem weiteren Sensoradapter (106) und/oder einem Verbindungselement (32), sowie ein Verbindungselement, eine Anordnung und ein Ultraschalldurchflussmessgeraet. One sensor adapter (6, 14, 23, 53, 59, 61, 68) for determining at least one ultrasound sensor element (3, 43) to a pipe (2, 13, 40, 52, 67), wherein the sensor adapter (6, 14, 23, 53, 59, 61, 68) an adapter body (6.4, 23.1) on or in which the ultrasonic sensor element (3, 43) on the pipe (2, 13, 40, 52, 67) is securable and wherein at Adapter body (6.4, 23.1) at least a first spacer (12, 17, 26, 47, 54, 66, 69) is provided for spacing the sensor adapter (6, 14, 23, 53, 59, 61, 68) of a further Sensor adapter (106) and / or a connecting element (32), and a connecting element, an arrangement and a ultrasonic flow rate.



0) FR1465489A – ABRI POUR COMPTEURS SHELTER FOR COUNTERS (MA...

94) Family number: 21964022 (FR1465489A)

© PatBase

Title: ABRI POUR COMPTEURS SHELTER FOR COUNTERS (Machine translation)

Priority: FR19653401728 19651028

Family:

Publication number	Publication date	Application number	Application date
FR1465489 A	19670113	FR19653401728	19651028

Inventor(s):(std)**:** CROUZET ROGER LOUIS PIERRE HYA

Inventor(s): CROUZET ROGER LOUIS PIERRE HYACINTHE

International class (IPC 8–9): E04H1/12 (Advanced/Invention); E04H1/12 (Core/Invention)

International class (IPC 1–7): E04H1/12

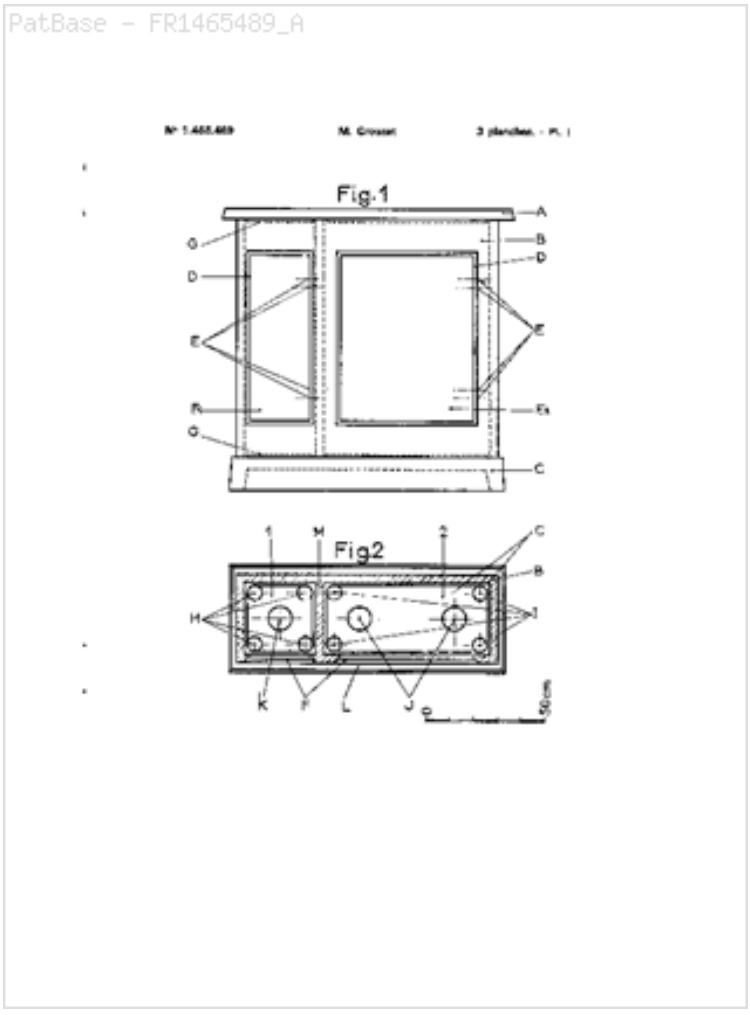
CPC: E04H1/1238

European class: E04H1/12B6

Classification Explorer

Forward Citations: FR2498660, EP0057803,

Abstract:
Source: FR1465489A 1. Grouper tous les compteurs d'une villa particuliere: eau, gaz et electricite; 1. Grouping all counters of a particular villa: water, gas and electricity;



0) US2008121309A – SYSTEM, METHOD, AND APPARATUS FOR BALLOON AND T...

95) Family number: 41845928 (US2008121309A) © PatBase

Title: SYSTEM, METHOD, AND APPARATUS FOR BALLOON AND TOY FILLER, KIT, AND STAND

Priority: US20060557116 20061107

Family:

Publication number	Publication date	Application number	Application date
US2008121309 AA	20080529	US20060557116	20061107

Probable Assignee: BOISE LEO WAYNE

Assignee(s):(std)**:** BOISE LEO WAYNE ; BOISE WAYNE SCOTT ; WOOD LAWRENCE WILLIAM

Inventor(s):(std)**:** BOISE LEO WAYNE ; BOISE WAYNE SCOTT ; WOOD LAWRENCE WILLIAM

Agent(s): MAXVALUEIP CONSULTING

International class (IPC 8–9): B65B1/04 (Advanced/Invention); B65B1/04 (Core/Invention)

CPC: A63H27/10 A63H2027/1033

European class: A63H27/10 K63H27/10G

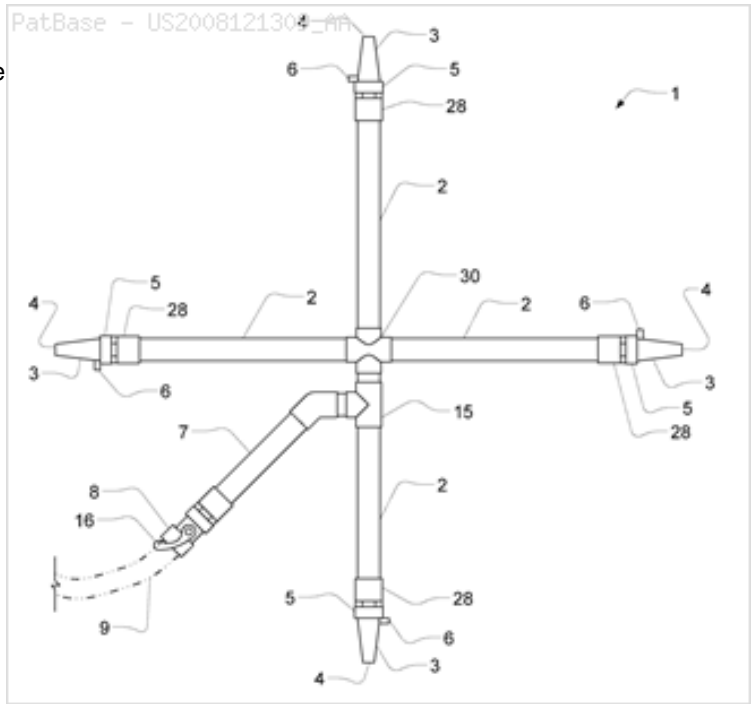
US class: 141/313

Classification Explorer

Cited documents: US6932125 BB, US6351675 BA, US6149488 A, US6112781 A, US5603361 A, US5439199 A, US4909518 A, US4243220 A,

Forward Citations: WO15119516, USD739474, USD633598, US9533779, US9527612, US9399176, US9352240, US9315282, US9314706, US9283491, US9242749, US9226630, US9192870, US9051066, US8789565, US8708765, US8141326, US2016083121, US2013118640, US2012030895, US2011030847, US2011030844, US2009050234, ITMI20100146, GB2537748, GB2525306, GB2476817, GB2476817, FR2955036, ES2376563, DE202015007466, AU2016100289, AU2015101248, AU2010200104,

Abstract:
Source: US2008121309A This is a balloon filling system or device that can fill one or more balloons at a time. The balloon filler is intended for use in water balloon activities, such as games, where many balloons need to be filled at the same time. The balloon filler can be attached to any source or filler. The balloon filler can also be attached to a stand, such as a set of legs or a freestanding or mobile container, with a set of wheels. Some versions of the balloon filler can be preassembled, while others can be sold as a kit, which a user can assemble into many desired arrangements or configurations. The balloon material and the filling material can be from many choices. It can also cover the toys attached to the system.



0) DE102009047068A1 – CONTROLLER FOR DAMPER, HAS HOUSING FOR DRIVE UN...

96) Family number: 48930966 (DE102009047068A1) © PatBase

Title: CONTROLLER FOR DAMPER, HAS HOUSING FOR DRIVE UNIT AND ELECTRONIC UNIT, WHERE HOUSING IS FORMED AS PLASTIC INJECTION PART WITH METAL SUPPORTING BODY

Priority: DE200910047068 20091124

Family:

Publication number	Publication date	Application number	Application date
DE102009047068 A1	20110526	DE200910047068	20091124

Probable Assignee: BOSCH GMBH ROBERT

Assignee(s):(std)**:** BOSCH GMBH ROBERT

Assignee(s): ROBERT BOSCH GMBH

Inventor(s):(std)**:** BRAUN SIGMUND ; ZLINDRA MARTIN

International class (IPC 8–9)**:** F16F9/46 (Advanced/Invention)

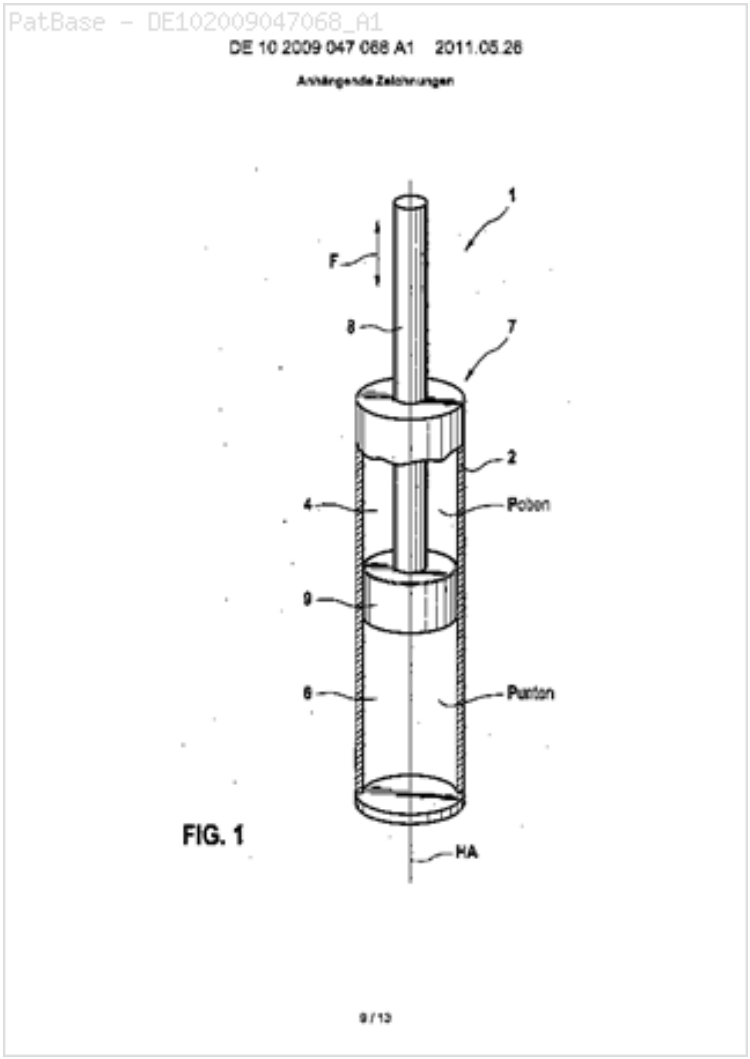
CPC: F16F9/3207 F16F9/3292 F16F9/463

European class: F16F9/32B F16F9/32S F16F9/46L

Classification Explorer

Cited documents: DE102007025966 A1

Abstract:
The controller has housing for a drive unit and an electronic unit. The housing is formed as a plastic injection part with a metal supporting body. An inner plastic cover forms a plastic tank for receiving the electronic unit or drive unit. Another plastic tank is provided for receiving the drive unit of electronic unit. An independent claim is also included for a damper with a damper cylinder.



0) SE200004550A – HAVSHUS

97) Family number: 14263547 (SE200004550A) © PatBase

Title: HAVSHUS

Priority: SE20000004550 20001211

Family:

Publication number	Publication date	Application number	Application date
SE200004550 A	20020612	SE20000004550D	20001211
SE200004550 A0	20001211	SE20000004550	20001211
SE200004550 L	20020612	SE20000004550	20001211
SE523904 C2	20040601	SE20000004550	20001211

Probable Assignee: KEMENY JOSEF

Assignee(s):(std)**:** JOSEF KEMENY ; KEMENY JOSEF

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

Inventor(s): JOSEF KEMENY

International class (IPC 8–9)**:** B63B35/44 (Advanced/Invention); B63B35/44 (Core/Invention); B63B (Subclass/Invention)

International class (IPC 1–7)**:** B63B35/44

CPC: B63B35/44

European class: B63B35/44

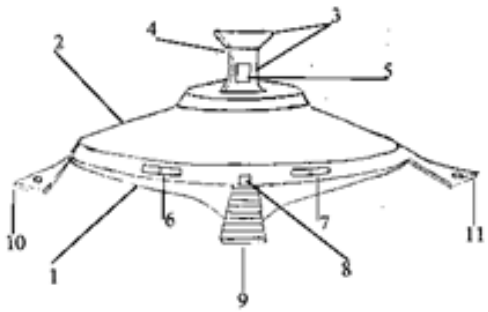
Classification Explorer

Abstract:
Source: SE200004550A The sea house comprises a base or body (1), an intermediate part for residence (2), a cylindrical upper part (3) with a roof terrace/landing place for small, light helicopters and is placed onn four equal size lowerable and regulatable legs (9,10,11,13) which stand freely from the ground on a stable concrete platform. When the water level rises, the water mass lifts up the house, so that it floats like a boat. Two columns locate firmly in the ground surface, maintaining the house in place.

PatBase - SE523904_C2

523 904 PRV00-12-11

Fig. 1



0) DE2759556A1 – KOORDINATENSCHREIBER VEHICLE WHEEL ALIGNMENT A...

98) Family number: 1689179 (DE2759556A1) © PatBase

Title: KOORDINATENSCHREIBER VEHICLE WHEEL ALIGNMENT AND CAMBER METER – HAS LINE WHICH IS TRACED ON SCREEN REPRESENTING LOCUS OF POINTS WHEN ONLY ONE OF WHEEL ADJUSTMENT POINTS IS MOVED

Priority: DE19772759556 19770920 DE19772742247 19770920

Family:

Publication number	Publication date	Application number	Application date
DE2742247 A1	19790322	DE19772742247	19770920
DE2759556 A1	19790802	DE19772759556	19770920
DE2759556 C2	19840628	DE19772759556	19770920

Probable Assignee: DAIMLER BENZ AG

Assignee(s):(std): DAIMLER BENZ AG

Assignee(s): DAIMLER BENZ AG 7000 STUTTGART ; DAIMLER BENZ AG 7000 STUTTGART DE ; DAIMLER BENZ 7000 STUTTGART AG

Inventor(s):(std): BREMER GUENTER ; THIENEMANN JOACHIM DIPL ING ; WEULE HARTMUT DR ING

Inventor(s): WEULE HARTMUT DR ING 7036 SCHOENAICH ; THIENEMANN JOACHIM DIPL ING 7032 SINDELFINGEN ; BREMER GUENTER 7031 BONDORF ; BREMER GUENTER 7031 BONDORF DE

International class (IPC 8–9): G01B11/275 (Advanced/Invention); G01B11/275 (Core/Invention)

International class (IPC 1–7): G01B11/275 G01D9/28

CPC: G01B11/2755 G01B2210/306 G01B2210/303

European class: G01B11/275B S01B210/30A S01B210/30B

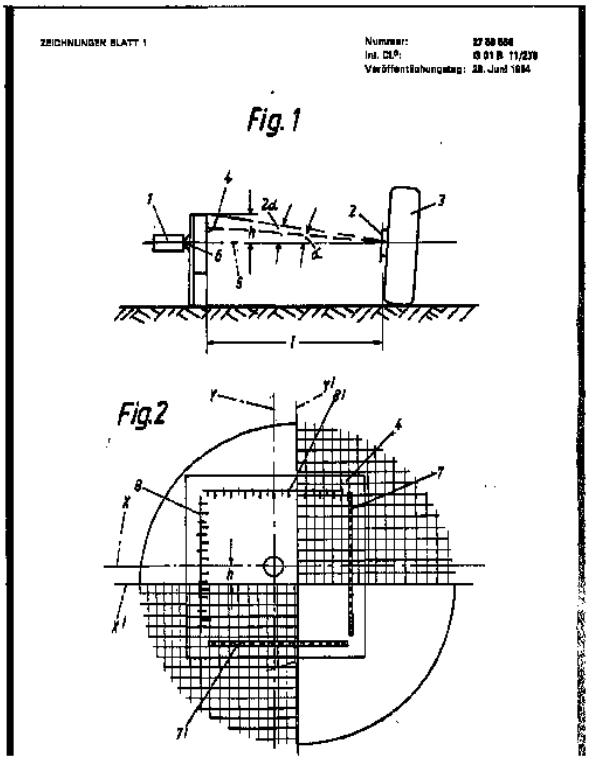
Classification Explorer

Cited documents: US3876310, US2249226, DE1943465,

Forward Citations: US6274862, US4594789, EP1636542, DE3335336, DE19838460,

Abstract:
Source: DE2759556A1 The measuring device has a light source projecting a coordinate system image, and a mirror mounted on the wheel to be measured, deflected from a normal position and reflecting the test beam. A projection surface has a series of opto electric transducers parallel to the coordinate axes, for automatic scanning of the test beam point of impact. An adjustment line is traced on the screen of a CRO or on a projection surface of a mirror galvanometer, passing through a reference point corresponding to the wheel normal position. It is the locus of display points when only one of the adjustment points of the wheel is moved.

PatBase - DE2759556_C2



0) US4852409A – SIGNAL RECOVERY SYSTEM FOR MASS FLOWMETER

99) Family number: 3102594 (US4852409A) © PatBase

Title: Signal recovery system for mass flowmeter

Priority: US19880204565 19880609

Family:

Publication number	Publication date	Application number	Application date
US4852409 A	19890801	US19880204565	19880609

Probable Assignee: FISCHER AND PORTER CO

Assignee(s):(std): FISCHER AND PORTER CO

Assignee(s): FISCHER AND PORTER COMPANY ; BA BUSINESS CREDIT INC

Inventor(s):(std): HERZL PETER J

International class (IPC 1–7): G01F1/84

CPC: G01F1/8409 G01F1/8431 G01F1/8486

European class: G01F1/84D G01F1/84D8 G01F1/84F8L2

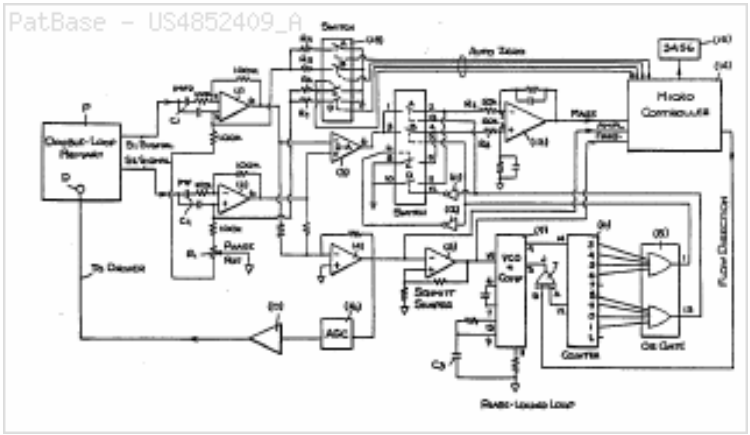
US class: 73/861.356 738/613.8

Classification Explorer

Cited documents: WO8803261 A1, US4756197 A, US4660421 A, US4655089 A, US4311054 A, US3355944 A, US3276257 A,

Forward Citations: WO05017469, US9279710, US9200936, US9091580, US9080909, US9046401, US9046400, US9021892, US9014997, US8972207, US8965715, US8892370, US8887579, US8775110, US8483979, US8467986, US8117921, US8000906, US7979230, US7690240, US7571062, US7337084, US7234363, US7185526, US6997032, US6457372, US6073495, US6064169, US5231884, US5228327, US5024104, US5020375, US2011016988, US2010307220, US2010107778, US2008115561, US2007144234, US2007124090, US2007017304, US2006287839, US2006090537, US2004200259, EP1484585, EP0866319, EP0421812, DE19831505, DE19831505,

Abstract:
Source: US4852409A A mass flowmeter of the Coriolis–type having a primary wherein fluid being metered is conducted through a flow tube in the form of a double loop whose loops are excited by a driver to vibrate in phase opposition at the resonance frequency of the tuning fork. Because fluid passing through the flow tube is subjected to Coriolis forces, the vibrating loops are caused to torsionally oscillate in accordance with the mass flow of the fluid. A pair of sensors mounted on the respective loops sensor signals which are applied to a differential amplifier in a signal recovery system forming the secondary of the meter to produce an output voltage that is a function of mass flow. This output voltage is applied to the input of a microcontroller coupled to an indicator providing a reading of mass flow. The meter is calibrated so that at the resonance frequency under normal operating conditions it produces a reading proportional to mass flow. Because of changes in the density of the fluid and other variables encountered under actual operating conditions which bring about deviations in the resonance frequency and in the amplitude of the torsional oscillations, also applied to the microcontroller are frequency and amplitude signals which reflect these deviations. The microcontroller, in response to these signals, acts to correct the mass flow indication to provide an accurate mass flow reading.



0) DE3421390A1 – HIGH–PRESSURE CATHETER WITH A CUTTING AND/OR AB...

100) Family number: 3764432 (DE3421390A1) © PatBase

Title: High–pressure catheter with a cutting and/or abrasion device

Priority: DE19843421390 19840608 DE19843421390 19840608

Family:

Publication number	Publication date	Application number	Application date
DE3421390 A1	19851212	DE19843421390	19840608
DE3421390 C2	19860717	DE19843421390	19840608

Probable Assignee: SCHUBERT WERNER

Assignee(s):(std)**:** SCHUBERT WERNER

Assignee(s): SCHUBERT WERNER DR MED ; SCHUBERT WERNER DR MED 4330 MUELHEIM DE

Inventor(s):(std)**:** SCHUBERT WERNER DR MED

International class (IPC 8–9)**:** A61B17/22 A61B17/32 (Advanced/Invention); A61B17/00 A61B17/54 (Advanced/Non–invention); A61B17/22 A61B17/32 (Core/Invention); A61B17/00 A61B17/54 (Core/Non–invention)

International class (IPC 1–7)**:** A61B17/22 A61B17/32

CPC: A61B17/32002 A61B17/3203 A61B17/32037 A61B17/320758 A61B17/545 A61B2017/00464 A61B2017/320004

European class: A61B17/3203R A61B17/3207R A61B17/32E2 K61B17/00H2 K61B17/3203 K61B17/32A K61B17/54P

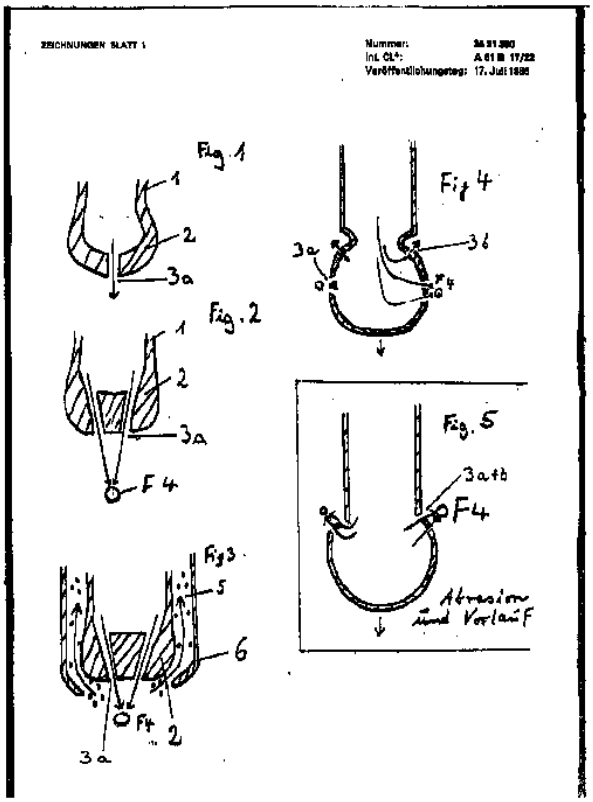
Classification Explorer

Cited documents: US3930505 A, DE7815019 U, DE3408809 A1, DE3402573 A1, DE3326648 A1, DE3320076 A1, DE3111497 A1, DE3019115 A1,

Forward Citations: WO9428807, WO05084561, WO05079681, WO02071955, WO0150965, USD451196, USD450842, US9586023, US9566088, US9550052, US9517085, US9498610, US9486615, US9474886, US9468464, US9056193, US9050133, US8998843, US8974418, US8851866, US8814836, US8721662, US8647294, US8597238, US8439878, US8343116, US8303538, US8236008, US8187251, US8162966, US8162878, US8162877, US8012117, US7996974, US7951161, US7951156, US7951107, US7879022, US7717685, US7658742, US7572244, US7147633, US6926681, US6923792, US6899712, US6669710, US6582442, US6544209, US6511493, US6451017, US6387103, US6299620, US6277128, US6216573, US6162232, US6096001, US5944686, US5785678, US5496267, US5395315, US5320599, US5318518, US5259842, US5199946, US5135484, US5135482, US5037432, US5037431, US4950238, US4926859, US4898574, US4747821, EP2719344, EP1718225, EP1453558, EP1367947, EP1246576, EP0954244, EP0485133, EP0470781, EP0411170, EP0232678, DE4201992, DE4126886, DE4018736, DE3715418, DE3704153, DE19742669, DE19522403, DE102011101188, CH670947, AU725925,

PatBase - DE3421390_C2

Abstract:
Source: DE3421390A1 If water emerges at high pressure through a nozzle it can be used for cutting, and this effect was utilised by Japanese researchers for severing the hepatic tissue of a rat with a water gun or nozzle which had a diameter of only 0.2 mm, using 10 atm. If these conditions are extrapolated to a pressure–tight catheter, called high–pressure catheter by me, 17.5 atm are necessary for this purpose according to calculations. Such high–pressure catheters can be inserted transluminally via the skin in stenosed or partially occluded pathways in the body, for example highly sclerosed coronary arteries for the gentle re–opening of pathological occlusions of pathways and for elimination of numerous stenoses. If segmentally arranged nozzles which are located obliquely toward the back and proximally on the nozzle head and form foci or coherent foci annularly are used and if the foci of the nozzle jets project above the lateral outer edge of the nozzle head, an abrasion effect is obtained at the front of the high–pressure catheter in addition to the forward motion, and this should also be utilised for the preparation of effective curettes, for example for extraction of the endometrium.



0) WO08127210A2 – ENERGY AND TRANSFORMATION FROM SUN, WATER, VAPO...

101) Family number: 42396983 (WO08127210A2) © PatBase

Title: ENERGY AND TRANSFORMATION FROM SUN, WATER, VAPOR, WAVE, AIR, WIND ETC.

Priority: TR20070002522 20070413

Family:

Publication number	Publication date	Application number	Application date
TR200907649 T1	20100521	TR20090007649T	20080413
WO08127210 A2	20081023	WO2008TR00037	20080414
WO08127210 A3	20090924	WO2008TR00037	20080414

Probable Assignee: GENCER IRFAN

Assignee(s):(std)**:** GENCER IRFAN

Assignee(s): IRFAN GENCER

Inventor(s):(std)**:** GENCER IRFAN

Inventor(s): IRFAN GENCER

Agent(s): DESTEK PATENT INC

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): F03B17/06 (Advanced/Invention); F03B17/00 (Core/Invention)

CPC: F03B17/063 Y02E10/28

European class: F03B17/06C2 Y02E10/28

Classification Explorer

Cited documents: WO8203662 A1, WO06124006 A2, US441183 A, US4241579 A, US390136 A, US1368454 A, US1074292 A, JP55023306 A2, GB191014012 A, FR2696789 A3, FR2465896 A1, EP0048004 A1, DE2730735 A1, DE2730658 A1, DE2555663 A1,

Abstract:
This patent expresses that against the global warming with different instruments how electricity production and / or energy transformation can be. These are; 1) Pumping water to long distances with a machine running with river (water mill), 2) Producing electricity with a machine running with river (water mill), 3) Producing electricity with any kind of pressurized water pumped by the machine running with river, 4) The methods of producing electricity with the air pumped by the pressurized water, 5) Pumping water with wind power (energy) 6) Continuing to pump water (with pumped air) on during absence of wind energy, 7) Producing electricity with wind energy, 8) Producing electricity with water pumped by the wind, 9) Producing electricity (with pumped air) on during absence of wind energy, 10) Getting kinetic energy from water heaters such as radiators etc., 11) Getting kinetic energy from sun hot water panels, 12) Producing electricity with air on the sporting equipment such as treadmill, 13) Producing electricity with the waves on the seas or lakes, 14) Producing electricity with the instruments such as spinning wheel which pump air with the power of animal and /or human, 15) At high buildings, pumping air when coiling the rope to the spinning wheel and /or storing the pressurized air to the tank when letting go with the weight in the tip, 16) Storing the pressurized air to the tank at escalators and 17) Storing the pressurized air to the tank at elevators and 18) When starting the vehicle engines, giving the first move to the vehicle with pressurized air, air regulator (engine) instead of starter motor, 19) Storing air in vehicles for economizing on and 20) The transfer of water and liquids without pump, 21) Automatic filter will be presented here.

