

2) Family number: 3889776 (DE3517343 A1)

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Title: Abduction splint

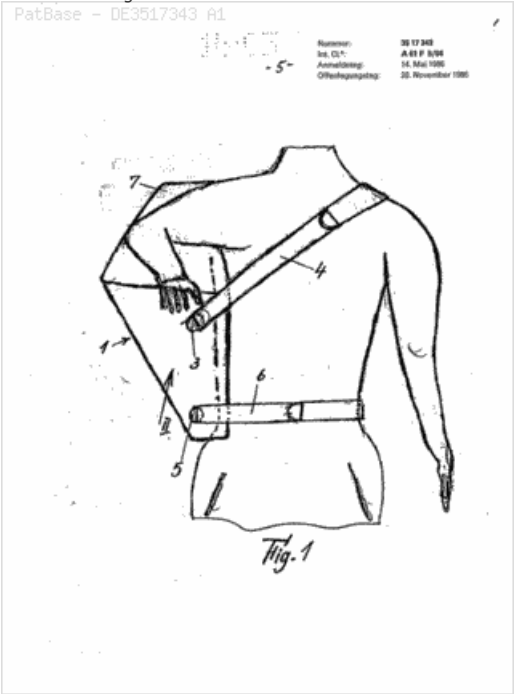
Abstract: The abduction splint comprises a support body of a flexible foam material having an upper support surface for the arm from which the support body tapers essentially in wedge shape toward the bottom. The support body which is held with straps against the side of the patient's body comes to bear against the patient's body in a sheet-like manner due to the type of its material and its concave support surface. The surface of the support body rises from the body side toward the outside and from back to front, or it is provided with a protuberance at the outer edge and at the front edge.

Classifications:

International (IPC 8-9): A61F5/37

International (IPC 1-7): A61F5/04

CPC: A61F5/3753



Family:

Publication number	Publication date	Application number	Application date
DE3517343 A1	19861120	DE19853517343	19850514

Priority:

DE19853517343 19850514

Probable Assignee: SCHUETT AND GRUNDEI KG WERKSTAET

Assignee(s): (std): SCHUETT AND GRUNDEI KG WERKSTAET ; SCHUETT AND GRUNDEI WERKSTAET KG

Assignee(s): SCHUETT AND GRUNDEI KG WERKSTAETTEN FUER ORTHOPAEDIETECHNIK

Inventor(s): (std): GRUNDEI HANS ; HENSSGE ERNST JOACHIM PROF ; PREUSS KLAUS

Inventor(s): JOACHIM PROF HENSSGE ERNST

3) Family number: 4210184 (US4951778 A)

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Title: SAFETY RESTRAINT FOR HUNTERS

Abstract: A safety restraint for hunters is disclosed. The safety restraint includes a user member for connection to the user, an anchor member for connection to a stationary object and means for connecting the user member and the anchor member such that the user may move freely and yet, is restrained by the stationary object.

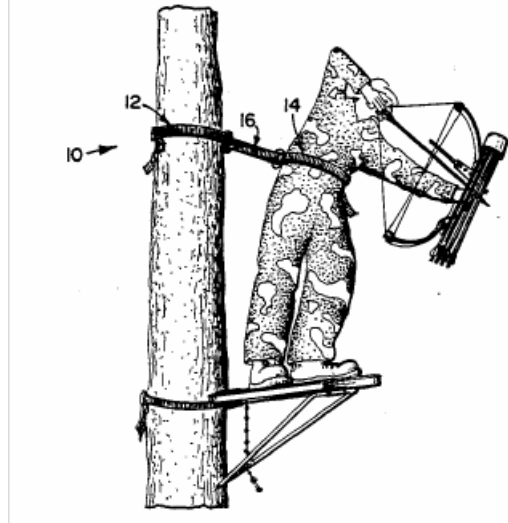
Classifications:

International (IPC 8-9): A01M31/00 A01M31/02 A62B35/00

International (IPC 1-7): A62B35/00

CPC: A01M31/02 A62B35/0025 A62B35/0068 Y10T24/4093

US: 182/9 24/200

**Family:**

Publication number	Publication date	Application number	Application date
US4951778 A	19900828	US19890400092	19890829

Priority:

US19890400092 19890829

Probable Assignee:

HALVORSON TERRY E

Assignee(s): (std):

HALVORSON TERRY E

Inventor(s): (std):

HALVORSON TERRY E

4) Family number: 17006330 (DE29922278 U1)

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Title: Safety against falling for lattice masts and similar buildings

Abstract: Source: DE29922278 U1 **Machine translation:** (Claim 1) 1. Safety against falling for mounting latticed masts or such (m) and for the execution of work on it by a person (P) with 1. a safeguard table-ware (SG), which carries the person (P) and which with a crash of the person a safe connection with this possesses or manufactures,

Classifications:**International (IPC 8-9):** A62B1/00 A62B1/04 A62B35/00 E04G21/32**International (IPC 1-7):** A62B1/06 E04G21/32 E04H12/10**CPC:** A62B1/04 A62B35/005 A62B35/0068 E04G21/3261 E04G21/3276 E04G21/3295

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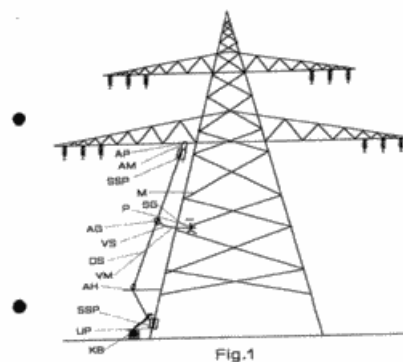


Fig.1

DE 299 22 278 U1

Family:

Publication number	Publication date	Application number	Application date
DE29922278 U1	20000427	DE19992022278U	19991218

Priority:

Probable Assignee: PREISING PAUL ERIC
Assignee(s): (std): POLSTER BERNHARD ; PREISING PAUL ERIC

5) Family number: 15355244 (SE470053 B)

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Title: SAFETY ARRANGEMENT FOR HOLDING A PERSON IN A FIXED ORIENTATION RELATIVE TO A CHAIR OR THE LIKE USING ONE OR MORE SAFETY BELTS

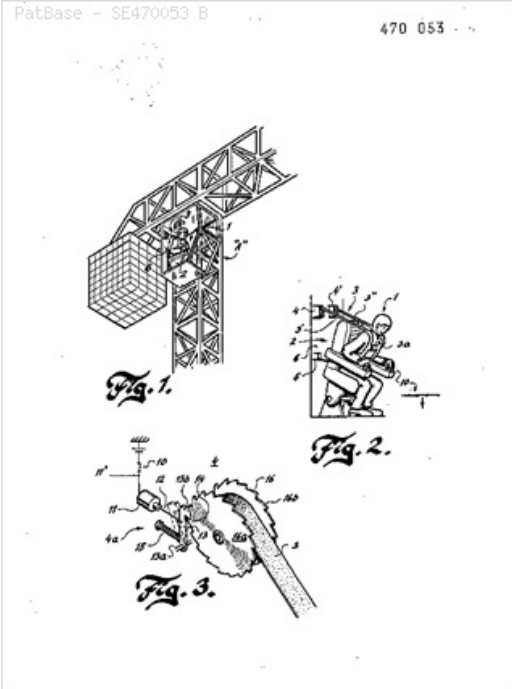
Abstract: The invention concerns a safety arrangement for holding a person 1 in a fixed orientation relative to a chair 2 or the like using one or more safety belts 3, in a position selected by the person, in which arrangement one or more safety belts 3 are adapted to be passed round and thus hold the person in the said position. Each safety belt, in each case at its point of attachment, cooperates with a catch mechanism 4 which can adopt an active position, locking the displacement of the belt relative to the catch mechanism, and an inactive position releasing the displacement of the belt relative to the catch mechanism. The said catch mechanism 4 can be acted upon 10 by the said person so as to assume an active position. The catch mechanism adopts the said active position as long as the said safety belt 3 acts with a tensile force on the catch mechanism 4 and, when the tensile force reduces and/or ceases, the catch mechanism 4 adopts the inactive position.

Classifications:

International (IPC 8-9): A62B35/00 B60R22/34

International (IPC 1-7): A62B35/00 B60R22/34

CPC: A62B35/0012 B60R22/347



Family:

Publication number	Publication date	Application number	Application date
SE470053 B	19931101	SE19910003296	19911108
SE470053 C	19940224	SE19910003296	19911108
SE9103296 A0	19911108	SE19910003296	19911108
SE9103296 L	19930509	SE19910003296	19911108

Priority:

SE19910003296 19911108

Probable Assignee: BOERJE LEONARD NILSSON
Assignee(s): (std): BOERJE LEONARD NILSSON
Inventor(s): (std): NILSSON BOERJE LEONARD
Inventor(s): BOERJE LEONARD NILSSON

6) Family number: 33036362 (US2006113147 AA)

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Title: FALL PROTECTION SYSTEM

Abstract: An improved fall protection system has been developed. The system functions by: (1) arresting the fall of such users, thereby protecting them from impact with the ground which could cause serious injury or death; (2) providing a method of recovery and escape from a fall-arresting device by providing a user with a controlled descent back to the ground or to a lower place of safety at a safe and gradual rate of descent; (3) providing greater simplicity and wearer comfort in fall-arresting and self-recovery devices; and (4) incorporating gear storage capability into such protective devices, in order to eliminate the need to wear a separate gear storage pack, vest, tool belt, or other such garment or accessory.

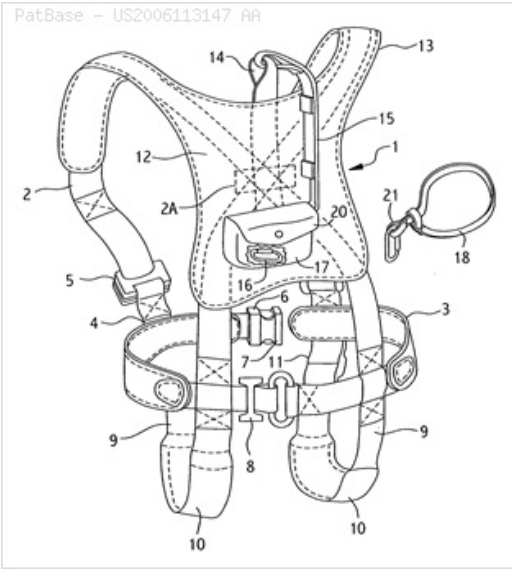
Classifications:

International (IPC 8-9): A01M31/02 A62B1/00 A62B1/14 A62B1/16

A62B35/00 A62B35/04

CPC: A62B35/0093 A62B1/14 A01M31/02 A62B35/0018

US: 182/187 182/231 182/235 182/241 182/3 182/3P 182/3S 182/5



Family:

Publication number	Publication date	Application number	Application date
US2006113147 AA	20060601	US20050099373	20050405
US8061479 BB	20111122	US20050099373	20050405
US2010122874 AA	20100520	US20090619040	20091116
US8312964 BB	20121120	US20090619040	20091116
US2012048646 AA	20120301	US20110288280	20111103
US8863898 BB	20141021	US20110288280	20111103
US2012073904 AA	20120329	US20110300821	20111121
US8931593 BB	20150113	US20110300821	20111121
US2013068561 AA	20130321	US20120676332	20121114
US2015217150 AA	20150806	US20150595367	20150113

Priority:

US20040559936P	20040406	US20050099373	20050405	US20080193296P	20081114
US20090619040	20091116	US20110288280	20111103	US20110300821	20111121
US20120676332	20121114	US20150595367	20150113		

Probable Assignee: DOWNSAFE SYSTEMS LLC

Assignee(s): (std): DOWNSAFE SYSTEMS LLC ; HARRIS JR RANO J ; HARRIS RANO J JR

Inventor(s): (std): HARRIS JR RANO J ; HARRIS RANO J ; HARRIS RANO J JR

Inventor(s): HARRIS RANO

Agent(s): BRADLEY ARANT ROSE AND WHITE LLP; CLARK AND BRODY

7) Family number: 66654390 (CN107050694 A)

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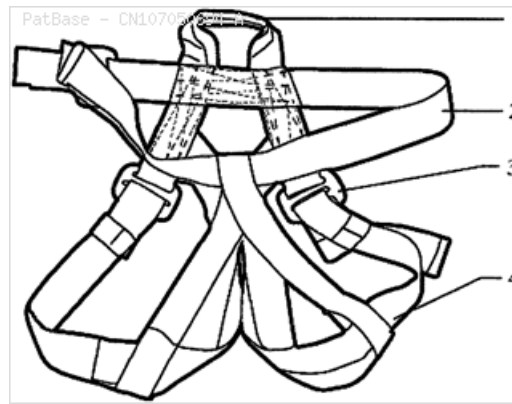
Title: SIMPLE SAFETY BELT FOR ESCAPE AND SELF-RESCUE IN HIGH-RISE BUILDING

Abstract: The invention provides a simple safety belt for escape and self-rescue in a high-rise building. Stitching connection is adopted between a bearing ring 1 and a waist ring 2 of the simple safety belt for escape and self-rescue in the high-rise building. A wear-resistant layer is arranged at a circular part of the bearing ring 1, and used for preventing damage to the whole safety belt due to wear during a process of connecting the safety belt with descending equipment. The waist ring 2 is connected with leg rings 4 in a stitching manner, metal clips 3 are arranged on both of the waist ring 2 and the leg rings 4, and the lengths of the waist ring 2 and the leg rings 4 can be adjusted through the connection of the metal clips 3, so that the safety belt is suitable for being used by people with different body shapes, without too-tight feeling or too-loose feeling, and is more comfortable to use. The simple safety belt for escape and self-rescue in the high-rise building can be used in the emergency situations of fire, robbers and the like, and is capable of being rapidly worn to enable people to timely keep out of a dangerous environment. The simple safety belt for escape and self-rescue in the high-rise building can be used with rescue equipment in a manner of random change, combination, complete set formation and superposition to achieve the maximization of function embodiment.

Classifications:

International (IPC 8-9): A62B35/00

CPC: A62B35/0012



Family:

Publication number	Publication date	Application number	Application date
CN107050694 A	20170818	CN201611173885	20161213

Priority:

CN201611173885 20161213

Probable Assignee: BEIJING INST PETROCHEM TECH

Assignee(s): (std): BEIJING INST OF PETROCHEMICAL TECH ; BEIJING INST OF PETROCHEMICAL TECHNOLOGY ; BEIJING INST PETROCHEM TECH ; DAXING DISTR CIVIL DEFENCE BUREAU ; WANG BOCHAO

Assignee(s): DAXING DISTRICT CIVIL DEFENCE BUREAU

Inventor(s): (std): WANG BOCHAO

8) Family number: 56264265 (SE201200560 A1)

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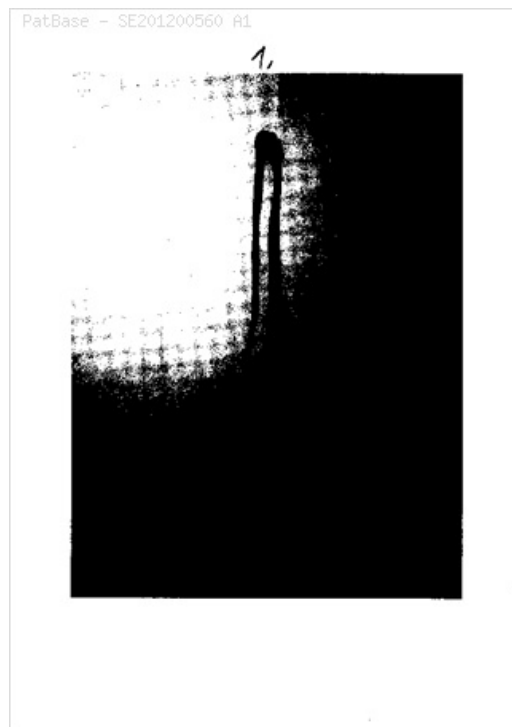
Title: HJAEPLMEDEL as a BAND FOR THE leg lifts, Traening AND GATRAENING (Machine translation)

Abstract: Source: SE201200560 A1 **Machine translation:** An adjustable band of polypropylene (1) tone seen with a fixed sewn, sammanlaenkande ankelstoed (2), (3) of the same material. Band fortsaetter during the foot (6). With the help of the band without clickspaeenne and anti-slip agents can muscle weakness or gipsade persons without the use of any addition above sjaelva lifting its legs and traena. The same band tone seen with clickspaeenne and anti-slip agents fits utoever benlyft and traening (7) in its basic settings to saeker gatraening without risk of slipping. With the help of clickspaennet gar band to adjust after use's length.

Classifications:

International (IPC 8-9): A61F5/37 A61H1/02

CPC: A61F5/3715 A61H1/0255



Family:

Publication number	Publication date	Application number	Application date
SE201200560 A1	20140314	SE20120000560	20120913

Priority:

Probable Assignee: LEHRMARK MARIE
Assignee(s): (std): LEHRMARK MARIE
Assignee(s): MARIE LEHRMARK
Inventor(s): (std): LEHRMARK MARIE
Inventor(s): MARIE LEHRMARK

9) Family number: 368306 (GB1259587 A) © PatBase

Title: Safety harness.

Abstract: 1,259,587. Safety harness. JIM ROBBINS SEAT BELT CO. 23 Jan., 1970 [7 Feb., 1969], No. 3487/70. Heading A3V. [Also in Division B7] In a vehicle a seat belt system comprises a support, a retractor member movable on the support to extend or retract the belt, has means for urging said member to retract the belt, a seat belt connected to the retractor member, a stop member mounted on the support to prevent or allow belt extension, means biasing the stop member toward the preventive position, an actuator which when electrically energised will move the stop member to the release position but when deenergised will lock the stop member, and an electrical circuit, including a power source, connected to the actuator to energise or deenergise it according to the condition of motion of the vehicle, a switch in the circuit sewing to lock the system on de-energisation of the vehicle ignition circuit. Two embodiments are disclosed of which one is a rotary reel retractor and the other a linear retractor. The electrical circuit may include devices for detecting vehicle conditions, such as a mercury switch to detect abrupt acceleration or deceleration or skew orientation, or a hydraulic pressure switch combined with the vehicle's braking system. In the linear retractor of Fig. 3, a carriage 42 slides in a channel-shaped housing 24 and is biased by a spring 44 toward the pivoted pulley 48, the seat belt being fastened at the end of the housing remote from the pulley and looped through a retractor bar 52 mounted on the carriage. A locking bar 64, biased by a spring 66, engages abutments 68 on the side of the housing to lock the carriage and hence the belt. The bar however is kept from engagement under normal vehicular conditions by the action of a plunger 72 and an energised solenoid 70, but when the solenoid is de-energised the plunger is released and the bar locks. The solenoid is energised with the ignition system of the vehicle, and a time delay switch may be included to ensure that the solenoid remains de-energised for a predetermined time. Fig. 8 shows a reel type retractor, in which a solenoid and plunger, when energised, prevent a toothed pawl 230 from engaging a toothed reel 222. On de-energisation of the solenoid, the pawl engages the reel, under the action of biasing spring 244, and locks the seat belt system.

Classifications:

International (IPC 8-9): B60R22/00 B60R22/34 B60R22/343 B60R22/48 B64D25/00 B64D25/06

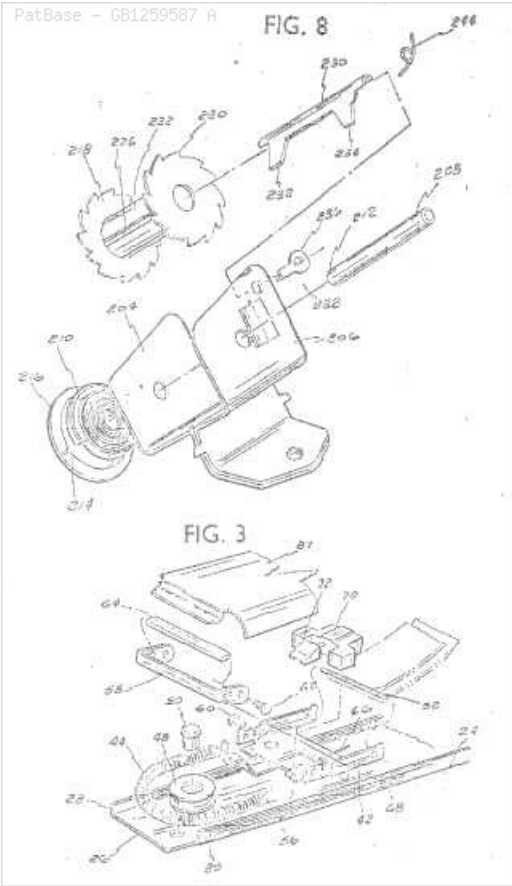
International (IPC 1-7): A62B35/00 A62B35/02 B60R21/00 B60R21/10 B64D25/06

CPC: B60R22/3405 B60R22/343

US: 180/270 180/82 242/384 280/806 297/479

JP F-Term: 3D018 3D140 3D141 3D018/CA02 3D018/CC02 3D018/CD00

JP F-Index: B60R22/195,108 B60R22/48@Z B64D25/06



Family:

Publication number	Publication date	Application number	Application date
DE2005608 A1	19700903	DE19702005608	19700207
FR2031235 A5	19701113	FR19700002830	19700127
GB1259587 A	19720105		19700123
JP50022297 B4	19750730	JP19700010577	19700207
US3610361 A	19711005	US19690797429	19690207

Priority:

US19690797429 19690207

Probable Assignee: ROBBINS SEAT BELT CO

Assignee(s): (std): ROBBINS SEAT BELT CO
Assignee(s): JIM ROBBINS SEAT BELT CO ; JIM ROBBINS SEAT BELT CY
Inventor(s): (std): PRINGLE WILLIAM L
Inventor(s): WILLIAM L PRINGLE

10) Family number: 294522 (GB1265726 A)

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Title: Safety harness retraction device.

Abstract: 1,265,726. Safety harness retraction device. JIM ROBBINS SEAT BELT CO. 2 April, 1969 [29 April, 1968], No. 17137/69. Heading A3V. A seat belt retracting device comprises a support 12, Fig. 1, a spring loaded reel, a locking pawl 70, Fig. 3, for preventing the reel rotating in an unwind direction, and a disabling cam follower 60 for disengaging the locking pawl 70 upon rotation of the reel through a predetermined angular distance in the winding direction. The belt 41 is stitched around a tube 36, Fig. 5, and clipped thereto by a member 42; the tube is rotatably mounted on plastics bushes 30, 32, the former being keyed to a non-rotatable inner tube 24 and bolt 18 and being connected by a spring 35 to the bush 32 which is keyed to the tube 36. Ratchets 43, 44 are keyed at 44' to the ends of the belt clip 42, and the reel assembly mounted on the support by bolt 18, with spring 35 biasing the belt to a wound up position. A grooved cam 52 is mounted by lugs 54 on one ratchet 43, and operates a folpin 62, Fig. 3, mounted on the follower 60 having a slotted portion 64 around the bolt 18, so that rotation of the reel translates the follower 60 transverse the bolt. An over-centre spring 65 is mounted on the support at 66 and connected to the follower at 68. Cam 52 has inner and outer circular grooves 56 and 55, centered on the bolt 18 and connected by a spiral groove 58. A pawl 70 is pivoted to the support at 72, and has a pin 78 slidably engaging a slot 80 in follower 60; when the follower is in its left side position shown in Fig. 3, the pawl is held away from ratchet teeth 48 by pin 78, and the reel may be unwound partially or wholly so that a wearer may buckle the belt. The follower 60 moves to the right, Fig. 4 (not shown), during unwinding. When the follower is free from pawl 70, a time delay dash pot 81, which is compressed by a member (75) riveted (at 76) to pawl 70 when the latter is in the position shown in Fig. 3, slowly expands as air enters it through a pin hole and moves pawl 70 into engagement with teeth 48 on ratchets 43. The reel is thus locked against unwinding shortly after the belt is buckled. The spiral groove 58 is formed so that when the reel rotates through a predetermined angle in the wind direction, as on unbuckling the belt, the follower 60 operates on pin 78 and disengages pawl 70. This angle is chosen such that the reel may take up slack in the buckled belt without freeing the pawl from the ratchet, but is also chosen so that the pawl is disengaged without completely winding in the belt.

Classifications:

International (IPC 8-9): B60R22/34 B60R22/35 B60R22/38 B64D25/00 B64D25/06

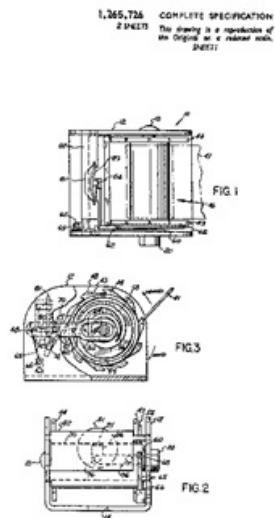
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CPC: B60R22/35

JP F-Term: 3D018 3D140 3D141 3D018/HA04 3D018/HB00 3D018/HC01 3D018/HD01 3D018/HE05

JP F-Index: B60R22/35 B60R22/38 B64D25/06

PatBase - GB1265726 A



Family:

Publication number	Publication date	Application number	Application date
DE1918493 A1	19691113	DE19691918493	19690411
FR2007151 A1	19700102	FR19690006306	19690306
GB1265726 A	19720308		19690402
JP50001531 B4	19750118	JP19690031075	19690423

Priority:

US19680724687 19680429

Probable Assignee: ROBBINS SEAT BELT CO

Assignee(s): (std): JIM ROBBINS SEAT BELT CO ; JIM ROBBINS SEAT BELT COMPANY ; ROBBINS SEAT BELT CO

Inventor(s): (std): L PRINGLE WILLIAM

11) Family number: 17754 (GB1217911 A)

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Title: CONNECTING DEVICES

Abstract: 1,217,911. Clamps. M. PASBRIG. 26 Jan., 1968 [17 Oct., 1967], No. 4262/68. Heading E2B. [Also in Division H2] A connecting device for releasably clamping one or two flexible elongated elements, comprises a sleeve 1, having a first bore 5 which extends in the longitudinal direction of the sleeve and which opens at at least one end face of the sleeve, one or two further bores 7 extending through the wall of the sleeve into the first bore such that the axis of the or each further bore lies at an acute angle to the axis of the first bore, one or two clamping members 8 retained within the sleeve in the first bore and loaded towards the or an end face by one or two springs 5 and being axially displaceable and limitedly tiltable relative to the axis of the first bore, and one or two axially extending slots 16 formed in the wall of the sleeve and capable of guiding a respective actuating member 15, 19 for axially displacing the or each clamping member, the arrangement being such that in use of the connecting device, an end portion of a corresponding said element inserted into the first bore is clamped within the sleeve by the or a respective clamping member. In the construction shown the clamping member has a dome shaped head and a series of annular steps 11 behind the head which engage the elongated element when it is inserted into the bore 7 the clamping member tilting for this purpose. The clamping member has a spherical end portion 13 connected by a neck 12 to the remainder of the clamping member and the spring 5 has several of its turns passed over the spherical end portion 13 to connect the spring to the clamping member. The neck portion is engaged by a loop of a wire member 15 which is connected to a handle 19, which together form the actuating member, the wire member passing through the slot 16 in the wall of the sleeve 1; the handle enables the clamping member to be withdrawn so that the flexible elongated element can be inserted into the bore 7. The sleeve 1 is connected by means of a screw thread to a member 2 which carries a hook 3, the hook having a shank 23 with a nut 24 on one end portion, a spring 22 being disposed between the nut and an end of a bore in the member 2. A dividing plate 25 is interposed between the sleeve 1 and member 2 and the end of the spring 21 bears on this plate. The hook can be a snap hook or an open hook. In an alternative construction the member 2 is omitted and a said clamping member 8 is disposed at each end of the bore 5 therebeing a common biasing spring between them and two bores 7 one for each clamping member at opposite end portions of the sleeve 1; the arrangement enables two elongated flexible elements to be connected together. Each clamping member is connected by an individual wire member 15 to its own handle 19 the slots for the wire members 15 being diametrically opposite each other and their axes being at angles of 90° to the axes of the bores 7 which are also on opposite sides of the member 1. Several similar devices which differ in that the bores 7 and slots 16 are diametrically opposed with one bore and one slot in each side of the sleeve, can be encased in an insulating plastics block for making electrical connections. A number of other constructions are described which differ in minor details from those described above.

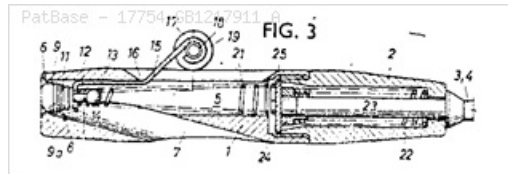
Classifications:

International (IPC 8-9): A44B11/00 A44B11/16 A44B11/25 A44C5/18 A44C5/20 B60M1/00 B60M1/26 F16B21/00 F16B21/14 F16G11/00 F16G11/04 F16G11/10 F16K24/00 F16K24/04 H01R11/11 H01R11/22 H01R13/02 H01R13/20 H01R4/52 H01R9/22 H02G1/04 H02G7/00 H02G7/05

International (IPC 1-7): A44B11/10 A44B11/25 A44C11/02 A62B35/00 B60R21/10 B64D25/06 F16G11/00 F16G11/10 F16G11/12 F16K45/00 F16K47/02 H01R11/22 H01R4/48 H01R4/52 H01R7/00 H01R7/06 H01R7/28 H02G1/00 H02G7/02 H02G7/05 H02G7/06

CPC: B60M1/26 H02G7/056 F16K24/04 F16G11/106 F16G11/108 H01R4/52 A44B11/16 A44B11/2519 A44C5/2052 F16B2/08 F16G11/105 F16L3/233 H01R13/20 Y10T24/3969 Y10T24/3978 Y10T24/4079 Y10T403/1658 Y10T403/1674 Y10T403/39 Y10T403/5721 Y10T403/5793 Y10T403/599 Y10T403/602 F16G11/08 F16G11/103 F16G11/12 F16G11/143 H01R9/226 H01R43/26

US: 226/147 226/167 24/126L 24/136B 24/136R 24/194 254/251 403/18 403/187 403/20 403/303 403/314 403/325 403/327 439/783



Family:

Publication number	Publication date	Application number	Application date
AT276286 B	19691125	AT19670010390	19671117
AT301651 B	19720911	AT19680012387	19681219
AT305407 B	19730226	AT19690001638	19690218
AT295092 B	19711227	AT19690002799	19690320
AT290448 B	19710611	AT19690005246	19680520
AT313721 B	19740115	AT19700000574	19690218
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AT311449 B	19731112	AT19700002261	19700310
BE705491 A	19680301		19671023
BE726126 A	19690627		00000000
BE732367 A	19691001		19690430
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CA947047 A2	19740514	CA19720141881	19720511
CA948382 A1	19740604	CA19720141882	19720511
CA948382 A2	19740604	CA19720141882	19720511
CA931330 A1	19730807	CA19720141883	19720511
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CA960442 A2	19750107	CA19720145793	19720627
CH518017 A	19720115	CH19680019050	19681220
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DE1914287 B1	19691120		00000000
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DE1914288 B1	19691211		00000000
DE1914289 B	19691211		19690320
DE1914289 B1	19691211		00000000
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DE1276773 B	19680905	DE19681276773	19680411
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Priority:

DE1967P043192	19671017	DE19670043192	19671017	BE19670705491	19671023
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SE19670017803	19671227	DE19681765335	19680502	DE19681280369	19680502
DE19681278583	19680502	DE19681765336	19680502	GB19680024444	19680522
DE19681765781	19680717	DE19681765782	19680717	DE19681765784	19680717
DE1968L032070	19680916	DE1968L032077	19680916	DE1968P032119U	19680925
DE1968L032119U	19680925	AT19690002799	19690320	DE19691914288	19690320
DE19691914287	19690320	DE19691914289	19690320	CA19720141881	19720511
CA19720141882	19720511	CA19720145793	19720627	NL19740015856	19741205

Probable Assignee: LACREX BREVETTI SA

Assignee(s): (std): LACREX BREVETTI SA ; PASBRIG ; PASBRIG M ; PASBRIG MAX

Assignee(s): 1LACREX BREVETTI SA ; LACREX BREVETTI CH SA ; LACREX BREVETTI SA CH ; MAX PASBRIG ; MAX PASBRIG TE ORSELINA ZWITSERLAND

Inventor(s): (std): MAX PASBRIG ; PASBRIG M ; PASBRIG MAX

Inventor(s): PASBRIG M CH

12) Family number: 3579427 (FR2313238 A1)

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Title: DOUBLE STRAP CAR SEAT BELT - HAS ANCHORING POINTS ON SEAT BACK AND FLOOR AND IS WORN WITH STRAPS VERTICALLY PARALLEL OR DIAGONALLY CROSSED

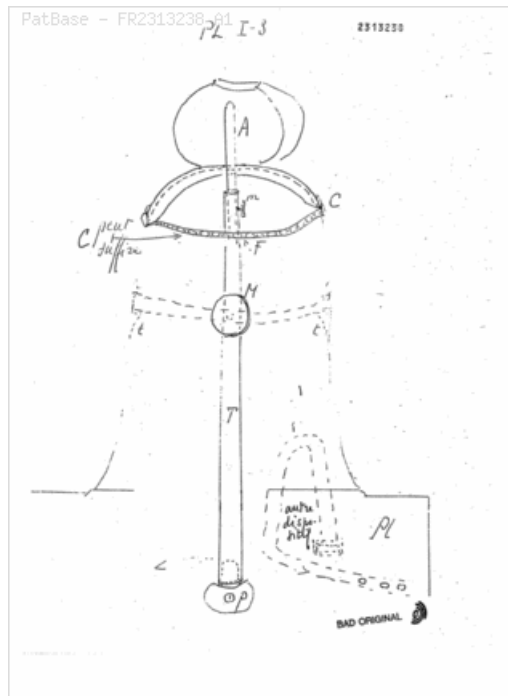
Abstract: The seat belt has two straps which have two anchors points on the top of the seat back and two anchoring points on either side of the seat on the floor. The seat back anchoring points are formed as an integral part of the horizontal metal tube which form part of the seat back structure. The tube has a central bracket through which slides the metal stem of an adjustable headrest. The belt is worn either with the straps parallel and on either side of the chest, or with the straps crossed diagonally over the chest.

Classifications:

International (IPC 8-9): B60R22/26

International (IPC 1-7): A62B35/00 B60R21/10

CPC: B60R22/26



Family:

Publication number	Publication date	Application number	Application date
FR2313238 A1	19761231	FR19750002593	19750128

Priority:

FR19750002593 19750128

Probable Assignee:

DENAT JEAN

Assignee(s): (std):

DENAT JEAN

13) Family number: 1735422 (DE2200565 A1)

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Title: SHOCK ABSORBER FOR SEAT BELTS - SPRING LOADED DIVERTING ROLLER DECREASES ANGLE OF CONTACT WITH INCREASING PULL

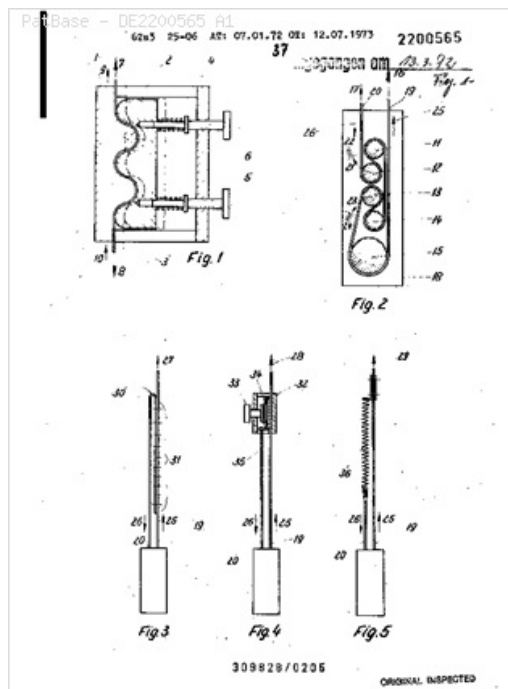
Abstract: The friction-controlled seat belt operates without any peaks during the entire operational path. The initial shock caused by inertia and other factors could cause damage to the user in case of a sudden deceleration of the vehicle. On the present arrangement the belt, before being wrapped around the actual roller - which is not rotary, but with fixed pivoting point - is wrapped around a second roller which is rotary and arranged in such a way that its pivoting point can swing around the previous roller. the swinging motion of the second roller takes place against the force of a spring. When the second roller deviates from its original position, the angle of contact on the fixed roller decreases.

Classifications:

International (IPC 8-9): B60R22/28 F16F7/00 F16F7/08

International (IPC 1-7): A62B35/00 A62B35/02 F16F7/12

CPC: B60R2022/288 B60R22/28 F16F7/082



Family:

Publication number	Publication date	Application number	Application date
DE2200565 A1	19730712	DE19722200565	19720107
DE2200565 B2	19750724	DE19722200565	19720107
DE2200565 C3	19760304	DE19722200565	19720107

Priority:

DE19722200565 19720107

Probable Assignee: ROEMER WINGARD AUTOGURTE GMBH
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