

Search history

Search 1: CPC=(A62B1/20 or A62B1/00) (Results 1559)

Search 2: 1 and (channel* or rail*) (Results 329)

Search 3: 2 and PD<20170310 (Results 302)

Search 4: 3 and harness (Results 31)

Title: **RAIL** LIFELINE FALL PROTECTION TURNTABLE ASSEMBLY

Abstract: A **rail** lifeline fall protection turntable assembly is provided that includes a base member with rotating disk, a center **rail**, **rail** sections, stop members and corner members. The center **rail** is coupled to the rotating disk. Each **rail** section is coupled to the base member and is positioned to align with the center **rail** at a select rotational orientation of the rotating disk. The stop members are coupled to the rotating disk and are positioned to prevent a sliding shuttle from falling off one of the **rail** sections not aligned with the center **rail**. The corner members coupled to the base member and are positioned to prevent a sliding shuttle from falling off of the center **rail** when the center **rail** is not aligned with one of the **rail** sections.

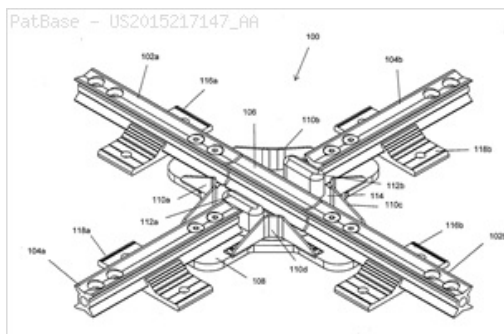
Classifications:

International (IPC 8-9): A62B1/00 A62B1/20 A62B35/00

E04G21/32 (Advanced/Invention)

CPC: A62B35/0062 A62B1/20

US: 182/36



Family:

Publication number	Publication date	Application number	Application date
AU2014200788 AA	20150820	AU20140200788	20140214
BR102014003535 A2	20151020	BR20141003535	20140214
CA2842924 AA	20150806	CA20142842924	20140214
US2015217147 AA	20150806	US20140174224	20140206

Priority:

US20140174224 20140206

Probable Assignee: CAPITAL SAFETY GROUP NORTHERN EUROPE LTD

Assignee(s): (std): CAPITAL SAFETY GROUP NORTHERN EUROPE LTD

Assignee(s): CAPITAL SAFETY GROUP NORTHERN EUROPE LTD ; ELTRINGHAM STEVEN ; HIRST ROBERT

Inventor(s): (std): ELTRINGHAM STEVEN ; HIRST ROBERT

Inventor(s): ROBERT HIRST ; STEVEN ELTRINGHAM

Agent(s): PHILLIPS ORMONDE FITZPATRICK; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC

Title: Skid-out highrise fire escape device

Abstract: A highrise fire escape device gravity operated and particularly adaptable for use in highrise building and modern skyscraper structures as an escape apparatus from any floor of a building for use in the rescue of an occupant who may be trapped and prevented from using the conventional stairways or elevator due to a natural or man-made disaster such as fire, electrical or power failure, building collapse or personal injury of the occupants, etc. The apparatus or device comprises the combination of a vertical skid track member attached to the wall of a building with a skid which is inserted into a guide **channel** located in the track. The skid track is designed to be attached to either a new or existing building with access to the skid track being available at the outside of the building at predetermined locations, such as, building corners or a plurality of locations intermediate to the corners between the building windows so as not to impede the architecture design of the building. The skid track has a back and guide portion with a plurality of spring loaded or hinged skid track doors which allows the insertion of a skid to which the occupant of a building may be attached. The skid is so designed to allow its movement down the vertical skid track with the occupant attached, with its rate of descent being controlled by a plurality of descent retarders suitably disposed along the skid tracks entire length. The descent retarder is disposed within the back section of the skid track and partially protrudes into the guide **channel** of said track. As the skid moves down the guide **channel** of the skid track it comes into fractional contact with the biased plane frictional surface of the plurality of protruding descent retarders disposed along its vertical axis causing the descent retarder to be displaced in a horizontal direction perpendicular to direction of the skid movement. The movement of the descent retarders in a horizontal direction is resisted by means just as a plurality of springs interposed between the rear of the descent retarders and the inside the back portion of the skid track. While the majority of the descent retarders are spaced uniformly along the entire length of the vertical skid track, there are some that are placed in a closer or cluster configuration near the end of the vertical skid track to more greatly impede the rate of descent or velocity of the **occupant** user so as to prevent forceful contact with the ground. During an emergency, a building occupant may put on a **harness** of any standard construction and attach it to the skid which can easily be inserted into the guide portion of the vertical skid track through any of the plurality of track doors disposed along said skid track.

Classifications:

International (IPC 8-9): A62B1/00 A62B1/14 A62B1/16 A62B1/20 (Advanced/Invention)

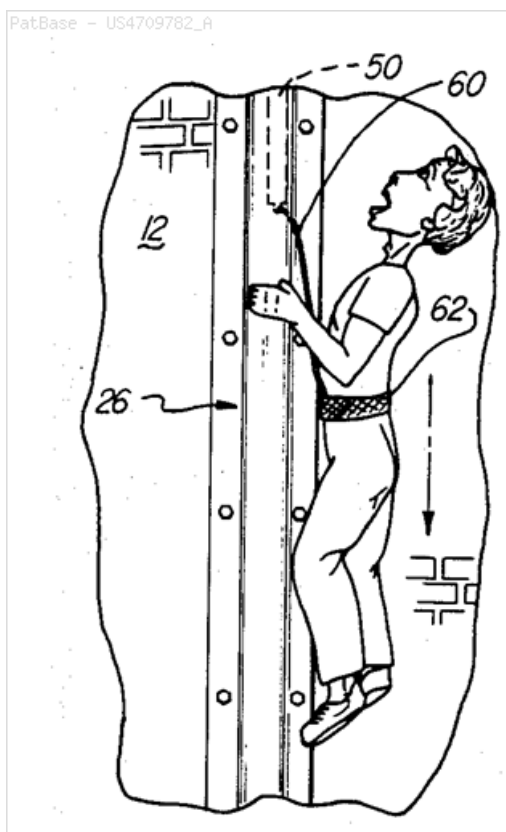
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CPC: A62B1/00 A62B35/0062

European: A62B1/00 A62B35/00B4

US: 182/3 182/82

PatBase - US4709782_A



Family:

Publication number	Publication date	Application number	Application date
CA1275390 A1	19901023	CA19870547648	19870923
DE3734463 A1	19880721	DE19873734463	19871012
GB2202439 A1	19880928	GB19870022809	19870929
GB8722809 A0	19871104	GB19870022809	19870929
JP63156654 U1	19881014	JP19870156011U	19871012
US4709782 A	19871201	US19870002953	19870113

Priority:

US19870002953 19870113 CA19870547648 19870923

Probable Assignee: LIPINSKI HENRY

Assignee(s): (std): LIPINSKI THERESA J ; SOBOCIENSKI JAMES R ; LIPINSKI THERESA JANET ; SOBOCIENSKI JAMES ROBERT ; LIPINSKI H ; LIPINSKI HENRY ; SOBOCIENSKI LORRAINE

Assignee(s): JAMES ROBERT SOBOCIENSKI ; SOBOCIENSKI LORRAINE WYANDOTTE MICHIGAN ; THERESA JANET LIPINSKI ; LIPINSKI HENRY WYANDOTTE MICHIGAN ; LIPINSKI HENRY WYANDOTTE MICHIGAN LIPINSKI THERESA ; LIPINSKI THERESA JANET WYANDOTTE MICHIGAN ; SOBOCIENSKI JAMES ROBERT WYANDOTTE MICHIGAN ; LORRAINE SOBOCIENSKI

Inventor(s): (std): LIPINSKI HENRY

Inventor(s): HENRY LIPINSKI

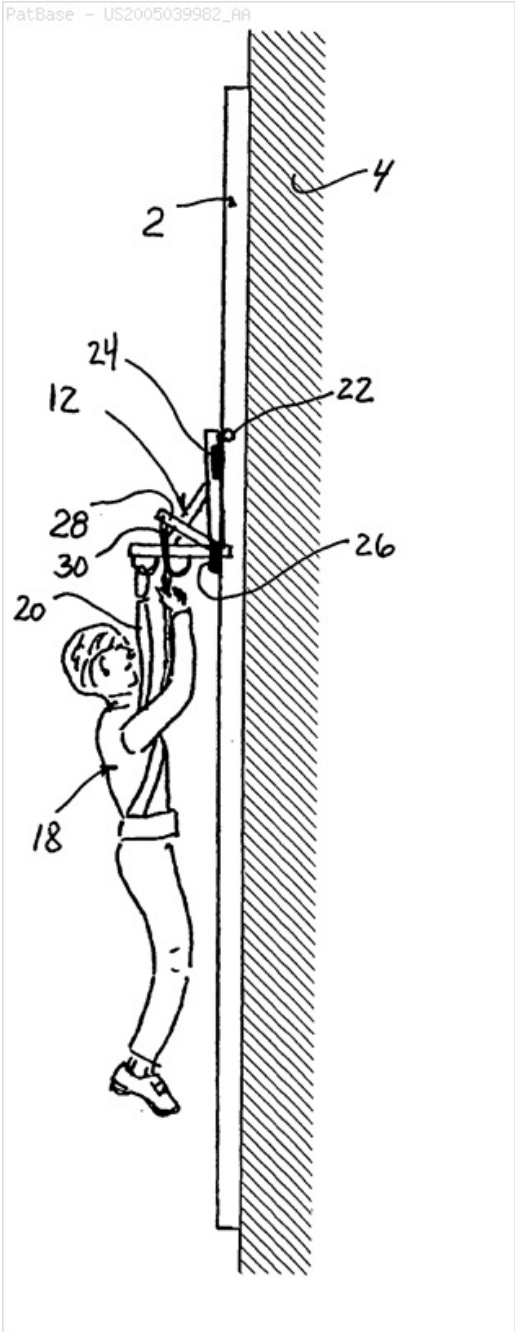
Agent(s): FETHERSTONHAUGH AND CO

Title: RESCUE SYSTEM

Abstract: There is described a rescue system including a profile **rail** (2) adapted for securing in mainly vertical position either externally of a building (4) or to be incorporated in an outer wall of a building in connection with rescue apertures on respective storeys, the profile **rail** (2) having an outwards open vertical slot (10) and external and internal contact faces (14,16) at both sides of said slot (10), and a number of lowering devices (12) with associated rescue **harnesses** (20), where each lowering device includes upper transverse coupling and connecting means (22) arranged to be inserted in the profile **rail** (2) and be fixed in this by turning the lowering device (12) downwards and by inserting and fixing a lower guide part of this in the vertical slot (10), the guide part including a fixing device arranged to interact with internal edge parts of the said slot of the profile **rail**, where each lowering device (12) includes a suspending part with a hook part or an eyelet for connecting with a hook part or an eyelet of the rescue **harness** (20), and where each lowering device (12) includes brake means (24, 26) arranged for interacting with said internal or external contact surfaces (14, 16) of the profile **rail** (2). By means of simple measures, it is hereby possible to achieve a very simple and optimally functioning rescue system of the kind concerned in practice.

Classifications:

International (IPC 8-9): A62B1/20 (Advanced/Invention);
A62B1/00 (Core/Invention)
International (IPC 1-7): A62B1/02 A62B1/20 A62B37/00
CPC: A62B1/20 A62B35/0062
European: A62B1/20 A62B35/00B4
US: 182/82 182/82P



Family:

Publication number	Publication date	Application number	Application date
EP1444011 A1	20040811	EP20020785086	20021028
US2005039982 AA	20050224	US20020493431	20021028
WO03035179 A1	20030501	WO2002DK00716	20021028

Priority:

DK20010001586 20011026 WO2002DK00716 20021028

Probable Assignee: JENSEN GUNNI ALLAN

Assignee(s): (std): JENSEN GUNNI ALLAN

Inventor(s): (std): JENSEN GUNNI ALLAN ; ROSEMOSE GUNNI ALLAN

Inventor(s): JENSEN GUNNI
Agent(s): ANTONELLI TERRY STOUT AND KRAUS LLP
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ
LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Containers

Abstract: A container comprises a rectangular hollow box divided into four wall components by lines contained in the planar portions of the walls so that the wall components each include portions of two walls. Splines are provided for locating the adjacent wall components together along said lines and a locking frame is provided for locking the wall components together when so located. The interior walls of the box are covered with a multiplicity of protrusions arranged in rows in two directions for locating shelves, drawers and the like.

Classifications:

International (IPC 8-9): A47B47/00 A47B47/04 A47B63/00 A62B1/00 B42F17/00 B42F7/14 B65D25/06

B65D85/575 (Advanced/Invention);

A47B47/00 A47B63/00 B42F17/00 B42F7/00 B65D25/04

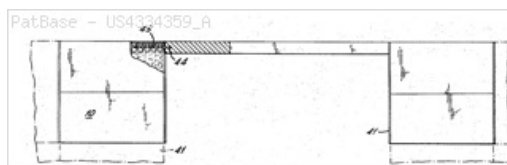
B65D85/575 (Core/Invention)

International (IPC 1-7): A47B27/00 A47B3/06 A47B47/00 A47B57/06 A47B63/00 A62B1/20 B42F7/14 B43M B65D6/00 B65D85/67 B66F19/00 F16B12/00

CPC: A62B1/00 A62B35/0062 A47B47/04 A47B63/00 B42F7/14 B42F17/00 B65D11/1873 B65D25/06

European: A47B47/04 A47B63/00 A62B1/00 A62B35/00B4 B42F17/00 B42F7/14 B65D11/18H3 B65D25/06

US: 108/61 220/4.28 312/111



Family:

Publication number	Publication date	Application number	Application date
DE2847726 A1	19790726	DE19782847726	19781103
FR2407689 A1	19790601	FR19780031152	19781103
GB1605044 A	19811216	GB19770046013	19771104
GB2035944 A1	19800625	GB19790031626	19790912
GB2035944 B2	19821117	GB19790031626	19790912
IT1100686 A	19850928	IT19780029411	19781103
IT7829411 A0	19781103	IT19780029411	19781103
JP54103170 A2	19790814	JP19780135639	19781102
US4334359 A	19820615	US19800128843	19800310

Priority:

GB19770046013 19771104 GB19780024986 19780531 GB19780046013 19780531
US19780956276 19781031 GB19790031626 19790912

Probable Assignee: KUMP E J

Assignee(s): (std): AANESUTO JIYOSUFU KAMUPU ; GRAHAM F ; KUMP E J ; KUMP ERNEST ; KUMP ERNEST JOSEPH ; KUMP ERNEST J

Inventor(s): (std): KUMP ERNEST J ; AANESUTO JIYOSUFU KAMUPU

Inventor(s): WIRD SPAETER GENANNT WERDEN

Title: MULTISTORY BUILDING FAST ESCAPE AND RESCUE DEVICE USING A BODY THAT SLIDES THROUGH A PRESSURIZED TUBE

Abstract: An escape and rescue device used in a multistory building during a terrorist threat or a fire to: a) evacuate a person or persons attached to a plunger shaped body lowered from an upper level of a building through a vertical tube, by using two different pressures, a lesser pressure at the entrance of the tube and a higher pressure at the exit of the tube, using air tight compartments and doors at one or both sides of the tube or by artificial air pressure, thereby permitting the fast evacuation of many people in a short time, b) it can be used by fireman in training in its use and benefits, c) also at amusement parks, where there would be a ride that would teach the users about its reliability and safety, and d) to transport firemen in a fast way from the ground to the upper floors without interfering with the evacuation in process at the stairways of the building.

Classifications:

International (IPC 8-9): A62B1/00 A62B1/20

A62B35/00 (Advanced/Invention);

A62B1/00 A62B35/00 (Core/Invention)

CPC: A62B1/20

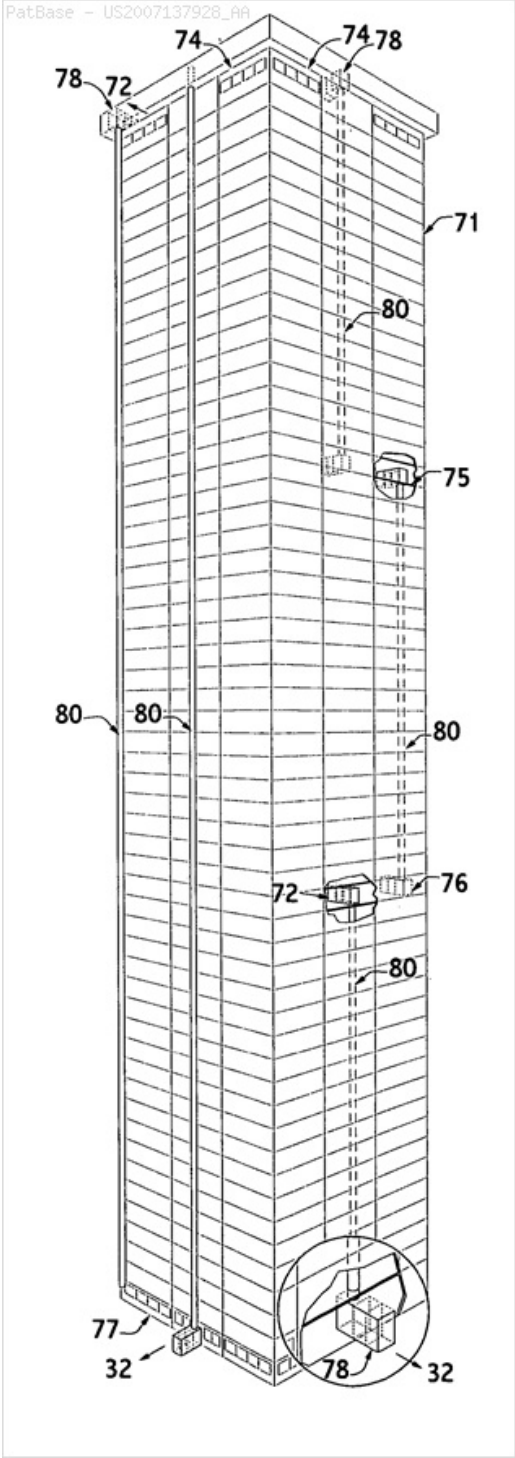
European: A62B1/20

US: 182/3 182/3P 182/48 182/48P 182/48S 182/49 182/71 187/239

187/240 187/273 187/275 187/277 193/2.00R 193/25.00E

193/25.00R 193/25E 193/25R 193/2R 193/32 193/33 472/131

472/133 472/49 472/50



Family:

Publication number	Publication date	Application number	Application date
US2007137928 AA	20070621	US20050313059	20051219
US2010193289 AA	20100805	US20100755208	20100406
US2012160605 AA	20120628	US20120404953	20120224
US8122999 BB	20120228	US20100755208	20100406

Priority:

US20050313059 20051219 US20100755208 20100406 US20120404953 20120224

Probable Assignee: GUILLERMETY MANUEL IVAN

Assignee(s): (std): GUILLERMETY MANUEL I ; GUILLERMETY MANUEL IVAN

Inventor(s): (std): GUILLERMETY MANUEL I ; GUILLERMETY MANUEL IVAN

Inventor(s): GUILLERMETY MANUEL

Agent(s): MANUEL IVAN GUILLERMETY; BROWDY AND NEIMARK PLLC 624 NINTH STREET NW; BROWDY AND NEIMARK PLLC

Title: WINDAGE BRAKING

Abstract: A windage brake for a fan descender comprises a rotatable spool connected by drive belts to a fan comprising a radial flow air impeller. A line is wound helically upon the spool. A user of the fan descender puts on a **harness** (not shown) at the free end of the line and jumps from an elevated position. The line is thereby drawn off the spool and rotates it. The rotating spool drives the fan and also winds a power spring formed by a resilient strip. The windage of the fan regulates the descent of the jumper, the fan being accelerated to a speed at which the braking force is such that the jumper descends at a rate safe for landing on the ground. When the jumper is on the ground, he removes the **harness** and releases the free end of the line. The line is then automatically retrieved by the power spring and rewound on the spool.

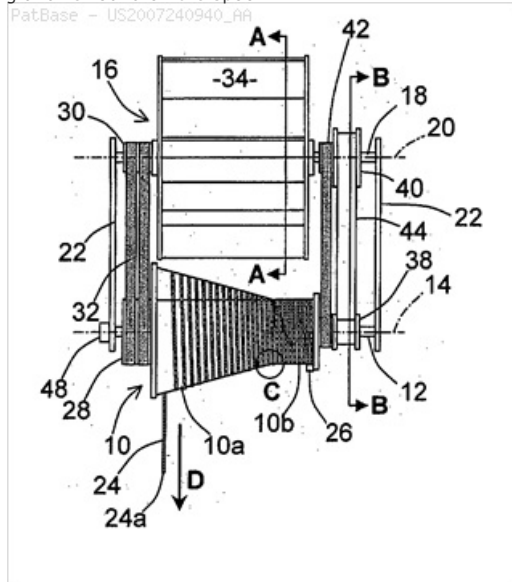
Classifications:

International (IPC 8-9): A62B1/00 A62B1/08 A62B1/10 A62B1/12 A63B21/008 B65H75/30 B65H75/34 (Advanced/Invention); A62B1/00 A63B21/008 (Core/Invention)

CPC: A63B21/0088 A62B1/12 A63B21/153 B66D5/026 A62B1/00 A62B1/10

European: A62B1/10 A62B1/12 A63B21/008C4 A63B21/15F4 B66D5/02B K62B1/00

US: 182/231 182/237 182/238 182/70 188/270 254/4.00R 254/47 254/4R



Family:

Publication number	Publication date	Application number	Application date
AT477837 E	20100915	AT20070732081T	20070320
AU2007228630 AA	20070927	AU20070228630	20070320
AU2007228630 BB	20120426	AU20070228630	20070320
DE602007008534 D1	20100930	DE200760008534T	20070320
EP1996296 A1	20081203	EP20070732081	20070320
EP1996296 B1	20100818	EP20070732081	20070320
ES2352661 T3	20110222	ES20070732081T	20070320
GB200605563 A0	20060426	GB20060005563	20060320
GB2436324 A1	20070926	GB20060005563	20060320
US2007240940 AA	20071018	US20070725545	20070320
US8061483 BB	20111122	US20070725545	20070320
WO07107746 A1	20070927	WO2007GB00989	20070320

Priority:

GB20060005563 20060320 WO2007GB00989 20070320

Probable Assignee: DROP ZONE UK LTD

Assignee(s): (std): DROP ZONE UK LTD ; MORIARTY NICHOLAS

Assignee(s): DROP ZONE UK LIMITED

Inventor(s): (std): MORIARTY NICHOLAS

Inventor(s): NICHOLAS MORIARTY

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; CULLENS PATENT AND TRADE MARK ATTORNEYS; HANSFORD KATHERINE JOY ET AL; HANSFORD KATHERINE JOY; NIXON AND VANDERHUYE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: EVACUATION SYSTEM, IN PARTICULAR FOR HIGH-RISE BUILDINGS

Abstract: The invention relates to an evacuation system, in particular for high-rise buildings, comprising at least one vertically arranged sliding profiled element (1) having a guide channel (8), wherein said sliding profiled element is arranged on the outside wall of a building and is provided for accommodating sliding elements (4) arranged at a distance from each other for transporting persons, at least one decelerating device (5) being provided along the vertical sliding profiled element, wherein said at least one decelerating device reduces at least in some sections the speed of the sliding elements moving downward on the vertical sliding profiled element (1). The evacuation system is characterized by the following characteristics: a) in addition to the vertical sliding profiled element (1), the evacuation system comprises at least one further sliding profiled element (2), which is substantially horizontally arranged and which is connected to the vertical sliding profiled element by means of a connecting sliding profiled element (3) that is curved at least in some sections; b) furthermore, at least one decelerating device (5, 6) is provided that allows a sliding element to be braked depending on one or more sliding elements located in, above, and/or below the connecting section or connecting area (A) of the connecting sliding profiled element (3) and the vertical sliding profiled element and/or one or more sliding elements located in the sliding profiled element and/or in the connecting sliding profiled element.

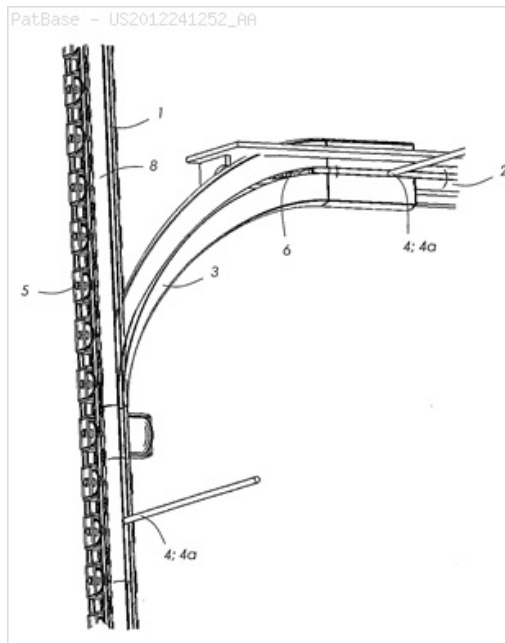
Classifications:

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CPC: A62B1/00 A62B35/0062

European: A62B1/00 A62B35/00B4

US: 182/48



Family:

Publication number	Publication date	Application number	Application date
DE102009050705 A1	20110428	DE200910050705	20091026
DE112010004149 A5	20120823	DE201011004149T	20101019
EP2493578 A1	20120905	EP20100795198	20101019
US2012241252 AA	20120927	US20100509280	20101019
WO11050769 A1	20110505	WO2010DE01211	20101019

Priority:

DE200910050705 20091026 DE201011004149T 20101019 WO2010DE01211 20101019

Probable Assignee: URBAN DAVID

Assignee(s): (std): URBAN DAVID

Assignee(s): URBAN

Inventor(s): (std): URBAN DAVID

Agent(s): LIMBECK ACHIM

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

Title: IMPROVED FIRE ESCAPE APPARATUS

Abstract: A fire escape apparatus comprises a vertically extending **channel** member (1) defining a **channel** into which opens a slot (12) formed between flanges (2) constituting a front wall of the **channel** member. Rows of staggered projections within the **channel** are formed by bolts (4) extending between the flanges (2) and a rear wall (3) of the **channel** member. A **harness** (9) for supporting a person escaping in the event of fire or other emergency is suspended from a T-shaped support (5) including a cross-piece (6) and an upright (7). In use, the cross-piece (6) and upright (7) are introduced into the **channel** through the slot (12). A lug (8) on the upright projects through the slot (12) and limits side-to-side movement as the **harness** support (5) descends under the weight of the person escaping, the cross-piece (6) co-operating with the bolts to perform a stepping movement.

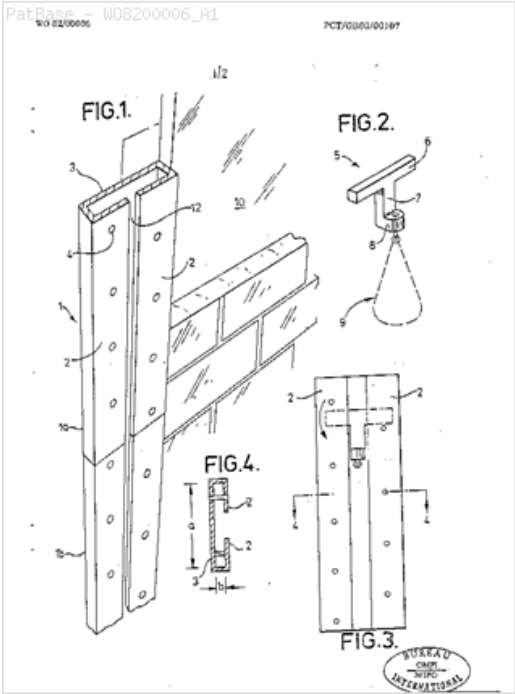
Classifications:

International (IPC 8-9): A62B1/00 (Advanced/Invention); A62B1/00 (Core/Invention)

International (IPC 1-7): A62B1/00 E06C7/18

CPC: A62B1/00 A62B35/0062

European: A62B1/00 A62B35/00B4 E06C7/18



Family:

Publication number	Publication date	Application number	Application date
EP0054541 A1	19820630	EP19800901074	19800624
WO8200006 A1	19820107	WO1980GB00107	19800624

Priority:

WO1980GB00107 19800624

Probable Assignee:

GRAHAM F

Assignee(s): (std):

GRAHAM F ; GRAHAM FINLAY M

Inventor(s): (std):

GRAHAM F ; GRAHAM FINLAY M

Designated states:

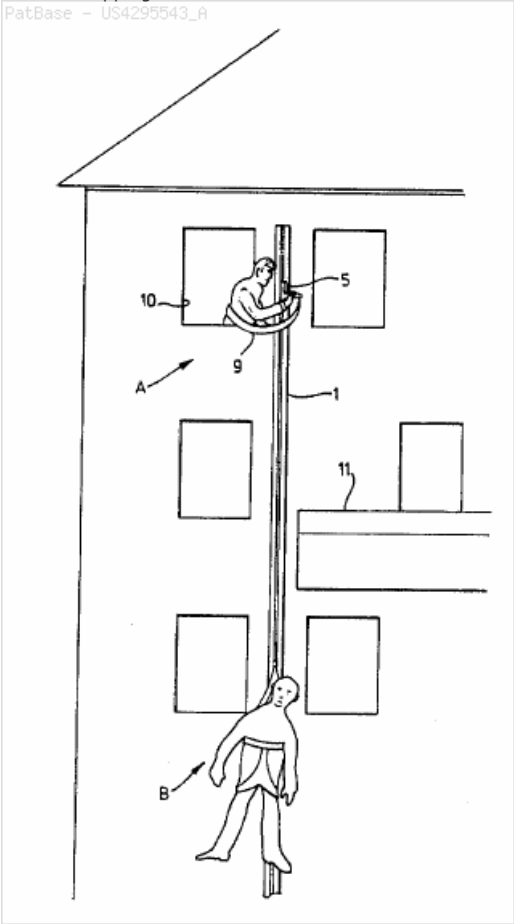
AT CH DE FR JP NL SE

Title: Fire escape apparatus

Abstract: A fire escape apparatus comprises a vertically extending **channel** member defining a **channel** into which opens a slot formed between flanges constituting a front wall of the **channel** member. Rows of staggered projections within the **channel** are formed by bolts extending between the flanges and a rear wall of the **channel** member. A **harness** for supporting a person escaping in the event of fire or other emergency is suspended from a T-shaped support including a cross-piece, and an upright. In use, the cross-piece and upright are introduced into the **channel** through the slot. A lug on the upright projects through the slot and limits side-to-side movement as the **harness** support descends under the weight of the person escaping, the cross-piece co-operating with the bolts to perform a stepping movement.

Classifications:

International (IPC 8-9): A62B1/00 (Advanced/Invention)
International (IPC 1-7): A62B1/20
CPC: A62B1/00 A62B35/0062
European: A62B1/00 A62B35/00B4
US: 182/3 446/314



Family:

Publication number	Publication date	Application number	Application date
US4295543 A	19811020	US19800119086	19800206

Priority:

US19800119086 19800206

Probable Assignee:

GRAHAM FINLAY M

Assignee(s): (std):

GRAHAM FINLAY M

Inventor(s): (std):

GRAHAM FINLAY M

