Title (en)

Fall arrest apparatus clamping automatically on a safety line

Title (de)

Abstürzsicherungsvorrichtung die selbsttätig auf einer Sicherheitslinie klemmbarer ist

Title (fr)

Appareil anti-chute verrouillable automatiquement sur une corde de sécurité

Publication

EP 0678310 B1 20000712 (FR)

Application

EP 95420104 A 19950418

Priority

FR 9405055 A 19940421

Abstract (en)

[origin: EP0678310A1] The braking mechanism consists of a lever (2) made from two articulated elements (20,21). The free end of the first element is connected to the harness, while its other end has a cam (20b) to press the cable (C) against the bottom of a U-shaped trough (1), the two sides of which have L-shaped notches (10b,11a) to receive the ends of a pivot pin (4) between the two lever elements. The free end of the second lever element (21) turns about a pivot (5) which can slide in a slot (10c) in an extension (10a) of the trough and is spring-loaded away from the notches. A gravity pin (13) on the trough shuts off the slots in the event of the mechanism being fitted upside-down, and a torsion spring (9) on the pivot (4) between the two lever elements keeps them in line. <IMAGE>

IPC 1-7

A62B 35/04; A62B 1/14

IPC 8 full level

A62B 1/14 (2006.01); **A62B 35/00** (2006.01); **A62B 35/04** (2006.01)

CPC (source: EP US)

A62B 1/14 (2013.01 - EP US); **A62B 35/04** (2013.01 - EP US)

Cited by

EP2191870A1; FR2938771A1; FR2763248A1; FR2751233A1; CN1100576C; EP3851697A1; US10036202B2; US11406851B2; WO9802210A1; WO2019149827A1; WO2013164366A3; WO2013164362A3; US8225905B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

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DOCDB simple family (application)

EP 95420104 A 19950418; AT 95420104 T 19950418; CA 2147233 A 19950418; DE 69517850 T 19950418; ES 95420104 T 19950418; FR 9405055 A 19940421; JP 9095495 A 19950417; US 41994595 A 19950411