

Title (en)

DEVICE FOR AUTOMATICALLY STOPPING THE FALL OF PERSONNEL WORKING HIGH ABOVE GROUND

Title (de)

AUTOMATISCHES FALLSCHUTZGERÄT FÜR GROSSE HÖHENARBEIT

Title (fr)

DISPOSITIF D'ARRET AUTOMATIQUE DE CHUTE POUR DES PERSONNELS TRAVAILLANT EN HAUTEUR

Publication

EP 0859648 B1 20030625 (FR)

Application

EP 97933737 A 19970715

Priority

- FR 9701305 W 19970715
- FR 9608841 A 19960716

Abstract (en)

[origin: WO9802210A1] The device comprises, inside a case, a tightening cam (7) hinged about an axis (8) such that, unused, it does not engage a belaying rope (2) passing through the case and, when the device is subjected to a set acceleration downwards, it pivots towards the rope (2) to tighten it to the case with self-tightening effect. On the cam (7) is mounted a detecting roller (10) which co-operates with the rope (2) when the cam (7) is unused. A spring actuated (13) friction piece (12), at a certain rotational speed of the roller (10), subjects it to a resisting moment which triggers off the pivoting of the cam (7) in the tightening direction. A lever (15), to which the user is linked, engages in a unidirectional manner the cam (7) to push it in tightening position if the user falls. The device simultaneously triggers off several tightening effects in case of a fall.

IPC 1-7

A62B 35/04

IPC 8 full level

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

CPC (source: EP US)

A62B 1/14 (2013.01 - EP US)

Designated contracting state (EPC)

DE ES GB IT NL

DOCDB simple family (publication)

WO 9802210 A1 19980122; AU 3698397 A 19980209; AU 729685 B2 20010208; BR 9702343 A 19991228; CA 2231722 A1 19980122; CA 2231722 C 20050322; CN 1100576 C 20030205; CN 1197401 A 19981028; CZ 292340 B6 20030917; CZ 79898 A3 19980617; DE 69723046 D1 20030731; DE 69723046 T2 20040401; EP 0859648 A1 19980826; EP 0859648 B1 20030625; ES 2202628 T3 20040401; FR 2751233 A1 19980123; FR 2751233 B1 19981009; JP 3262279 B2 20020304; JP H11512958 A 19991109; PL 184120 B1 20020930; PL 325518 A1 19980803; US 6056086 A 20000502

DOCDB simple family (application)

FR 9701305 W 19970715; AU 3698397 A 19970715; BR 9702343 A 19970715; CA 2231722 A 19970715; CN 97190905 A 19970715; CZ 79898 A 19970715; DE 69723046 T 19970715; EP 97933737 A 19970715; ES 97933737 T 19970715; FR 9608841 A 19960716; JP 50568998 A 19970715; PL 32551897 A 19970715; US 4317698 A 19980316