

Title (en)  
DEVICE FOR PROTECTING A USER IN THE EVENT OF A FALL FROM AN ESSENTIALLY-VERTICAL PATH

Title (de)  
BENUTZER-SCHUTZVORRICHTUNG FÜR DEN FALL EINES ETWA SENKRECHTEN STURZES

Title (fr)  
DISPOSITIF DE PROTECTION D'UN UTILISATEUR EN CAS DE CHUTE D'UNE VOIE SENSIBLEMENT VERTICALE

Publication  
**EP 1651314 A1 20060503 (FR)**

Application  
**EP 04742702 A 20040511**

Priority  
• FR 2004001146 W 20040511  
• FR 0306019 A 20030520

Abstract (en)  
[origin: FR2855062A1] The device has a harness including an auto-blocking reel (22) that automatically retrieves a strap (23). The strap has a free end including a snap hook that hooks the strap to a slide. A tubular rod (25) is displaced along a ladder between a lower part and an upper part of a ladder and is immobilized in the vicinity of the upper part of the ladder. The rod has two ends arranged for receiving two pins integrated to a vehicle.

IPC 1-7  
**A62B 1/04**

IPC 8 full level  
**A62B 1/04** (2006.01); **E06C 7/18** (2006.01)

CPC (source: EP)  
**A62B 35/005** (2013.01); **A62B 35/0068** (2013.01); **A62B 35/0081** (2013.01); **E06C 7/186** (2013.01); **E06C 7/187** (2013.01)

Citation (search report)  
See references of WO 2004103473A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2855062 A1 20041126; FR 2855062 B1 20050624**; AT E401109 T1 20080815; DE 602004015112 D1 20080828; EP 1651314 A1 20060503; EP 1651314 B1 20080716; WO 2004103473 A1 20041202

DOCDB simple family (application)  
**FR 0306019 A 20030520**; AT 04742702 T 20040511; DE 602004015112 T 20040511; EP 04742702 A 20040511; FR 2004001146 W 20040511