

Title (en)

Double-effect emergency braking apparatus for elevator cars

Title (de)

Notbremse für Aufzugskabinen mit doppelter Auswirkung

Title (fr)

Dispositif freinant de secours double-effet pour cabine d'ascenseurs

Publication

EP 1783087 A2 20070509 (EN)

Application

EP 06380263 A 20061009

Priority

ES 200502509 A 20051014

Abstract (en)

The invention relates to a double-effect emergency braking apparatus for elevator cars having friction wedges (110) and friction shoes (120) configured to be applied on first and second surfaces (210, 220) of a rail (200) of the elevator. The friction wedges (110) are located in a prismatic cam (111) which is actuated so that the rail (200) is gripped by the friction wedges (110) and the friction shoes (120) so as to reach a friction between the friction wedge (110) and the friction shoes (120) with the rail (200) and thus brake the elevator when the actuation device (140) is activated.

IPC 8 full level

B66B 5/20 (2006.01)

CPC (source: EP ES)

B66B 5/20 (2013.01 - EP ES)

Cited by

CN104812689A; CN115092789A; EA030810B1; CN101808926A; CN111824883A; CN111776914A; JP2015535518A; EP2112116A1; EP3286123B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1783087 A2 20070509; EP 1783087 A3 20120404; EP 1783087 B1 20130508; ES 2284356 A1 20071101; ES 2284356 B1 20080916; ES 2424747 T3 20131008; PT 1783087 E 20130705

DOCDB simple family (application)

EP 06380263 A 20061009; ES 06380263 T 20061009; ES 200502509 A 20051014; PT 06380263 T 20061009