

Title (en)

EMERGENCY BRAKING DEVICE FOR A LIFT CABIN

Title (de)

NOTBREMSEINRICHTUNG FÜR EINE AUFZUGSKABINE

Title (fr)

DISPOSITIF DE FREINAGE D'URGENCE DESTINE A UNE CABINE D'ASCENSEUR

Publication

EP 1841679 A1 20071010 (DE)

Application

EP 06707780 A 20060120

Priority

- EP 2006050333 W 20060120
- AT 932005 A 20050121

Abstract (en)

[origin: WO2006077244A1] According to the invention, a lift cabin is equipped with a detector (11) that records the speed of the cabin, said detector comprising a unit (13) that identifies an excess speed and that electrically controls a braking device. The aim of the invention is to ensure the reliable detection of the speed of the lift cabin. To achieve this, in order to determine said speed, two rollers (9) are provided on a guide track (2). The speed of each roller (9) is recorded independently by detectors (11) and the unit (13) triggers an emergency braking procedure, if one of the detectors (11) indicates an excess speed. The two rollers (9) can be mounted to pivot on a rocker bar (10) on either side of the guide track (2), the rocker bar (10) being eccentrically pre-tensioned by a spring (15). The invention also relates to a method, according to which the actuating force for the braking device can be mechanically increased with the aid of the rollers.

IPC 8 full level

B66B 5/06 (2006.01); **B66B 5/16** (2006.01)

CPC (source: EP)

B66B 5/06 (2013.01); **B66B 5/18** (2013.01)

Citation (search report)

See references of WO 2006077244A1

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

DOCDB simple family (publication)

WO 2006077244 A1 20060727; WO 2006077244 B1 20061109; AT 501326 A1 20060815; AT 501326 B1 20080615; CN 100572245 C 20091223; CN 101107189 A 20080116; EP 1841679 A1 20071010; EP 1841679 B1 20130116; EP 1841679 B9 20130529; ES 2403223 T3 20130516; RU 2007121078 A 20081220; RU 2403203 C2 20101110

DOCDB simple family (application)

EP 2006050333 W 20060120; AT 932005 A 20050121; CN 200680002831 A 20060120; EP 06707780 A 20060120; ES 06707780 T 20060120; RU 2007121078 A 20060120