

Title (en)
SAFETY DEVICE FOR ELEVATOR

Title (de)
AUFZUGSSICHERHEITSVORRICHTUNG

Title (fr)
DISPOSITIF DE SECURITE POUR ASCENSEUR

Publication
EP 1813566 A4 20120509 (EN)

Application
EP 04822652 A 20041116

Priority
JP 2004016976 W 20041116

Abstract (en)
[origin: EP1813566A1] A safety device for an elevator capable of reducing the time period required for stoppage of a car after detection of a speed abnormality of the car of the elevator. A brake element is provided between one side surface of a guide rail for guiding the car and a guide surface placed so as to be distanced away from one side surface of the guide rail along a downward direction, and an attraction portion which is attracted to the guide rail when a speed abnormality of the car is detected is provided on the brake element. When a speed abnormality of the car is detected, the attraction portion is attracted to the guide rail to stop the brake element from descending, and the brake element bites into the guide rail with a wedging effect to produce a braking force.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 5/22** (2006.01)

CPC (source: EP)
B66B 5/04 (2013.01); **B66B 5/18** (2013.01)

Citation (search report)

- [XY] US 6161653 A 20001219 - SKALSKI CLEMENT ALEXANDER [US], et al
- [Y] US 5386889 A 19950207 - PIPES GEORGE R [US]
- See references of WO 2006054328A1

Cited by
KR20170018884A; CN106458511A; EP3112306A1; US11066274B2; US10618776B2; US10654686B2; US10494227B2; WO2015191696A1; WO2015191695A1; WO2017087978A1; WO2017050647A1; EP3789335A2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1813566 A1 20070801; EP 1813566 A4 20120509; EP 1813566 B1 20130918; CN 1886320 A 20061227; CN 1886320 B 20100721; JP 4672656 B2 20110420; JP WO2006054328 A1 20080529; WO 2006054328 A1 20060526

DOCDB simple family (application)
EP 04822652 A 20041116; CN 200480035084 A 20041116; JP 2004016976 W 20041116; JP 2006518998 A 20041116