

Title (en)
SAFETY DEVICE FOR ELEVATOR

Title (de)
AUFZUGSSICHERHEITSVORRICHTUNG

Title (fr)
DISPOSITIF DE SECURITE POUR ASCENSEUR

Publication
EP 1813566 A1 20070801 (EN)

Application
EP 04822652 A 20041116

Priority
JP 2004016976 W 20041116

Abstract (en)
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)

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

Designated contracting state (EPC)
DE

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