

Title (en)
Elevator safety device

Title (de)
Fahrstuhlsicherheitsvorrichtung

Title (fr)
Dispositif de sécurité d'ascenseur

Publication
EP 2517998 A1 20121031 (EN)

Application
EP 12177599 A 20041215

Priority

- EP 12177599 A 20041215
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- JP 2004018720 W 20041215

Abstract (en)
An object of the present invention is to obtain an elevator safety device that does not make passengers feel uncomfortable and nor causes damage to ascending/descending body and counterweight by reducing deceleration during braking operation with a simple structure and without a complicated control. To realize this object, the elevator safety device comprises an ascending/descending body that travels up and down along guide rails 11 and has a passenger car 2 for accommodating passengers therein and frame members 3 for supporting the passenger car; a wedge 55 that is provided on the ascending/descending body and shifts in an emergency upward relative to the ascending/descending body along the guide rail; a pressing member 53 for pressing by using an elastic member 52 the wedge onto the guide rail; a pressing-force-adjusting means for setting pressing force to be smaller when the ascending/descending body load mass, which fluctuates with passengers getting on and off, becomes larger, and to be larger when the load mass becomes smaller.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)
DE

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EP 1826168 A1 20070829; EP 1826168 A4 20120215; EP 1826168 B1 20130417; CN 1960931 A 20070509; CN 1960931 B 20110420; EP 2517998 A1 20121031; EP 2517998 B1 20140402; JP 4710834 B2 20110629; JP WO2006064555 A1 20080612; WO 2006064555 A1 20060622

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