

Title (en)
ELEVATOR EMERGENCY STOP DEVICE

Title (de)
AUFZUG-NOT-STOPP-VORRICHTUNG

Title (fr)
DISPOSITIF D'ARRET D'URGENCE POUR ASCENSEUR

Publication
EP 1826168 A1 20070829 (EN)

Application
EP 04807079 A 20041215

Priority
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 and has a passenger car for accommodating passengers therein and frame members for supporting the passenger car; a wedge 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 for pressing by using an elastic member 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.

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CPC (source: EP)
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Cited by
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DE

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