

Title (en)  
EMERGENCY STOP DEVICE FOR ELEVATOR

Title (de)  
NOTSTOPP-VORRICHTUNG FÜR AUFZUG

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

Publication  
**EP 1997767 A1 20081203 (EN)**

Application  
**EP 06715396 A 20060308**

Priority  
JP 2006304476 W 20060308

Abstract (en)  
In a safety device 3 of an elevator, there is provided an elevating/lowering body 1; a guide rail 2 erected in an elevator shaft to guide the elevation and lowering of the elevating/lowering body 1; a pressing piece that is provided on the elevating/lowering body 1 and is formed with a pressing surface 7b which faces to the guide rail 2 and the upper side of which tilts to the guide rail 2 side; and a braking wedge piece 8 that is in sliding contact with the pressing surface 7b of the pressing piece and is inserted under pressure between the guide rail and the pressing surface of the pressing piece at the time of emergency stop operation to brake the lowering of the elevating/lowering body 1. The pressing piece 8 includes a movable pressing piece 7a that is formed with the pressing surface 7b and is provided so as to be displaceable to the right and left direction; and a cam 12 that is disposed between the movable pressing piece 7a and a fixed portion 5 on the anti-guide rail side of the movable pressing piece 7a, holds the movable pressing piece 7a so that the braking wedge piece 8 and the guide rail 2 are separate from each other at the normal time, and rotates at the time of emergency stop operation to move the movable pressing piece 7a horizontally to the guide rail 2 side, whereby the braking wedge piece 8 is pressed on the guide rail 2.

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

CPC (source: EP)  
**B66B 5/20** (2013.01); **B66B 5/22** (2013.01)

Cited by  
DE102014004356A1; CN108742872A; WO2023023765A1; EP3286123B1

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1997767 A1 20081203; EP 1997767 A4 20180124; EP 1997767 B1 20181114; JP 4893628 B2 20120307; JP WO2007102211 A1 20090723; WO 2007102211 A1 20070913**

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