

Title (en)
EMERGENCY STOP DEVICE FOR ELEVATOR

Title (de)
NOTSTOPP-VORRICHTUNG FÜR AUFZUG

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

Publication
EP 1806310 B1 20130327 (EN)

Application
EP 04793007 A 20041027

Priority
JP 2004015895 W 20041027

Abstract (en)
[origin: EP1806310A1] It is an object of the present invention to provide an emergency stop device of an elevator characterized in that : while the occurrence of malfunction is being prevented, a delay of the emergency stop action is reduced. An emergency stop device of an elevator comprises: a cage; a guide rail; a governor; a governor rope; a connecting means, to one end of which the governor rope is connected; an emergency stop means operated according to a position of the other end of the connecting means, for obtaining a braking force to brake the cage when the emergency stop means comes into pressure contact with the guide rail; a malfunction prevention means for preventing malfunction when a predetermined pushing force is given to the action of the emergency stop means; and a malfunction prevention release means for releasing the predetermined pushing force given by the malfunction prevention means according to a cage speed when the cage speed exceeds a predetermined value.

IPC 8 full level
B66B 5/18 (2006.01); **B66B 5/04** (2006.01); **B66B 5/06** (2006.01)

CPC (source: EP)
B66B 5/044 (2013.01); **B66B 5/06** (2013.01); **B66B 5/18** (2013.01)

Cited by
CN110282519A; EP2837592A1; US11292692B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1806310 A1 20070711; **EP 1806310 A4 20120321**; **EP 1806310 B1 20130327**; CN 100528727 C 20090819; CN 1930072 A 20070314; JP WO2006046284 A1 20080522; WO 2006046284 A1 20060504

DOCDB simple family (application)
EP 04793007 A 20041027; CN 200480040878 A 20041027; JP 2004015895 W 20041027; JP 2006542161 A 20041027