

Title (en)
EMERGENCY STOPPER OF ELEVATOR

Title (de)
NOTSTOPPEINRICHTUNG FÜR AUFZUG

Title (fr)
FREIN D'URGENCE POUR ASCENSEUR

Publication
EP 1449800 A4 20100623 (EN)

Application
EP 01274836 A 20011127

Priority
JP 0110325 W 20011127

Abstract (en)
[origin: EP1449800A1] An emergency elevator stopping apparatus provided on an elevator car 1 and adapted to stop the elevator car 1 by pressing a guide rail 2 along which the elevator car 1 is guided, including: an elliptic roller 15 disposed rotatably in the vicinity of the guide rail 2, and having a smaller diameter shorter than a distance between the guide rail 2 and a rotary shaft 15a and a larger diameter longer than the same distance, and a lever 13 adapted to set the direction in which the guide rail 2 extends and that in which the larger diameter of the roller 15 extends, substantially parallel to each other while the elevator car 1 moves at a speed not higher than a predetermined level, and turn the roller 15 when the elevator car 1 moves at a speed in excess of a predetermined level, and thereby cause the roller 15 to press the guide rail 2. <IMAGE>

IPC 1-7
B66B 5/18

IPC 8 full level
B66B 5/18 (2006.01); **B66B 5/20** (2006.01)

CPC (source: EP KR)
B66B 5/16 (2013.01 - KR); **B66B 5/20** (2013.01 - EP)

Citation (search report)

- [X1] US 6176350 B1 20010123 - SCHLOSSER GERHARD [DE]
- [X1] DE 19606861 A1 19970828 - SCHLOSSER GERHARD [DE]
- [X1] DE 2139056 A1 19730215 - SCHLOSSER GERHARD
- [A] EP 0640552 A1 19950301 - GARAVENTA HOLDING AG [CH]
- [A] DE 3422854 A1 19860102 - ZIMMERMANN GMBH F [DE]
- See references of WO 03045828A1

Cited by
EP1733992A1; US7299898B2

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 1449800 A1 20040825; EP 1449800 A4 20100623; EP 1449800 B1 20171025; CN 1297466 C 20070131; CN 1494512 A 20040505; JP 4019941 B2 20071212; JP WO2003045828 A1 20050407; KR 100620436 B1 20060912; KR 20030089705 A 20031122; WO 03045828 A1 20030605

DOCDB simple family (application)
EP 01274836 A 20011127; CN 01823075 A 20011127; JP 0110325 W 20011127; JP 2002589150 A 20011127; KR 20037012592 A 20030926