

Title (en)
Safety brake device

Title (de)
Bremsfangvorrichtung

Title (fr)
Dispositif parachute

Publication
EP 1733992 A1 20061220 (DE)

Application
EP 06115315 A 20060612

Priority
• EP 05105374 A 20050617
• EP 06115315 A 20060612

Abstract (en)
The brake chopper (1) comprises a brake unit (2) and trip unit (3). The trip unit has a trip arm (17) which is set in motion by movement of the lift cabin and can be brought into friction engagement with the guide rail on which the lift cabin and counter weight move. The movement of the trip arm brings the brake shoes (6,9,10) into contact with the guide rail. The trip arm is moved by a compression spring against the guide rail and can be unlocked by an electromagnetic actuator. Independent claim describes method for engaging brake chopper in a lift wherein the trip arm is moved through the movement of the cabin and brings the brake shoes into contact with the guide rail.

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

CPC (source: EP KR US)
B66B 5/02 (2013.01 - KR); **B66B 5/16** (2013.01 - KR); **B66B 5/18** (2013.01 - EP KR US); **B66B 5/20** (2013.01 - EP US)

Citation (search report)
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• [A] EP 1449800 A1 20040825 - MITSUBISHI ELECTRIC CORP [JP]
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2007007083 A1 20070111; US 7299898 B2 20071127; AT E457954 T1 20100315; AU 2006202693 A1 20070111; AU 2006202693 B2 20110630; BR PI0601926 A 20070213; BR PI0601926 B1 20180612; CN 1880208 A 20061220; CN 1880208 B 20100915; DE 502006006147 D1 20100401; EP 1733992 A1 20061220; EP 1733992 B1 20100217; EP 1733992 B2 20130227; ES 2341359 T3 20100618; ES 2341359 T5 20130625; JP 2006347771 A 20061228; JP 5026743 B2 20120919; KR 101227710 B1 20130129; KR 20060132506 A 20061221

DOCDB simple family (application)
US 42117606 A 20060531; AT 06115315 T 20060612; AU 2006202693 A 20060616; BR PI0601926 A 20060525; CN 200610092577 A 20060616; DE 502006006147 T 20060612; EP 06115315 A 20060612; ES 06115315 T 20060612; JP 2006159310 A 20060608; KR 20060054621 A 20060617