Title (en)
BRAKE SYSTEM FOR ELEVATOR

Title (de)
BREMSSYSTEM FÜR AUFZUG

Title (fr)
SYSTEME DE FREIN POUR ASCENSEUR

Publication
EP 1953107 A4 20120627 (EN)

Application
EP 05809480 A 20051121

Priority
JP 2005021362 W 20051121

Abstract (en)
[origin: EP1953107A1] A brake device can perform a plurality of different braking operations. When the brake device performs each of the braking operations, a car is thereby braked. The car is mounted with an safety gear for preventing the car from falling. The safety gear is operated when a speed of the car reaches an emergency stop overspeed. A plurality of overspeed levels corresponding to the braking operations, respectively, and being values lower than the emergency stop overspeed are set in a safety device based on a position of the car. When the speed of the car reaches each of the overspeed levels, the safety device causes the brake device to perform one of the braking operations which corresponds to the overspeed level reached by the speed of the car.

IPC 8 full level
B66B 5/02 (2006.01); B66B 1/32 (2006.01); B66B 1/34 (2006.01); B66B 5/04 (2006.01); B66B 5/06 (2006.01); B66B 5/14 (2006.01)

CPC (source: EP KR)
B66B 1/32 (2013.01 - KR); B66B 1/3492 (2013.01 - EP); B66B 5/02 (2013.01 - KR); B66B 5/04 (2013.01 - EP KR); B66B 5/06 (2013.01 - EP); B66B 5/14 (2013.01 - KR); B66B 5/18 (2013.01 - EP)

Citation (search report)
- [XY] EP 1431229 A1 20040623 - MITSUBISHI ELECTRIC CORP [JP]
- [YA] US 5244060 A 19930914 - TANAKA MASAKATSU [JP], et al
- [YA] JP 2001278572 A 20011010 - MITSUBISHI ELECTRIC CORP
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EP3556698A1; EP3960673A1; CN114104911A; EP3354611A1; AU2018200294B2; US11040848B2; WO2011086230A1; US10207896B2; WO2015078859A1; EP2526041B1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1953107 A1 20080806; EP 1953107 A4 20120627; EP 1953107 B1 20140115; CN 101263072 A 20080910; CN 101263072 B 20130320; JP 5179756 B2 20130410; JP WO2007057973 A1 20090430; KR 101038151 B1 20110531; KR 20080037073 A 20080429; WO 2007057973 A1 20070524

DOCDB simple family (application)
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