

Title (en)
BRAKE DEVICE FOR ELEVATOR

Title (de)
BREMSVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE FREINAGE POUR ASCENSEUR

Publication
EP 2399858 B1 20190410 (EN)

Application
EP 09840350 A 20090220

Priority
JP 2009053035 W 20090220

Abstract (en)
[origin: EP2399858A1] The present invention provides an elevator braking apparatus that can prevent deterioration in control of deceleration of a car during emergency stopping of the car even if braking forces from an electromagnetic brake fluctuate as a result of deterioration in force from a spring with age. In an elevator braking apparatus that includes: an electromagnetic brake that has a brake coil; and a braking controlling apparatus that controls braking force that acts on a driving electric motor during emergency stopping of a car, the braking apparatus according to the present invention includes a braking information acquiring apparatus that detects a braking release time until the braking force that acts on the car driving electric motor is released during release of the braking force that acts on the car driving electric motor during normal operation of the car, and a braking controlling apparatus controls the braking force that acts on the car driving electric motor during emergency stopping of the car by adjusting electric current to the brake coil such that deceleration of the car during emergency stopping of the car is at a predetermined value based on the braking release time.

IPC 8 full level
B66B 1/32 (2006.01)

CPC (source: EP KR)
B66B 1/32 (2013.01 - EP KR); **B66B 1/34** (2013.01 - KR)

Cited by
WO2013120824A1; EP3153448A1; US10723586B2; US9273739B2; US10745239B2; US11897725B2

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