

Title (en)
BRAKE CONTROLLER OF ELEVATOR

Title (de)
BREMSSTEUERUNG FÜR AUFZUG

Title (fr)
UNITE DE COMMANDE DE FREIN D'ASCENSEUR

Publication
EP 1431226 A4 20090812 (EN)

Application
EP 01972563 A 20010928

Priority
JP 0108510 W 20010928

Abstract (en)
[origin: EP1431226A1] When braking force is produced in a brake of an elevator in which an armature (17) is attracted against a spring (7) by means of energization of a brake coil (16), and, as a result of attraction of the armature, a brake shoe (9) remaining in pressed contact with a brake wheel (6) is released from the pressed contact, first brake coil control means (38) decreases energization of the brake coil (16) such that the armature (17) is released from an attracted state. When the rate of decrease in a brake coil current (Ib) has been slowed to a level below a predetermined value or the brake coil current (Ib) has turned into an increase during the course of the first brake coil control means (38) releasing the armature (17) from an attracted state, the brake coil (16) is energized within a range in which the armature (17) is not again attracted, by means of effecting a switch to the second brake coil control means (39), thereby lessening impact sound which arises between the brake shoe (9) and the brake wheel (6) by means of the force of the spring (7). <IMAGE>

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B66B 1/32; H01F 7/06; H01F 7/18

IPC 8 full level
B66B 1/32 (2006.01); **F16D 65/14** (2006.01); **F16D 65/22** (2006.01); **H01F 7/06** (2006.01); **H01F 7/18** (2006.01); **F16D 121/16** (2012.01); **F16D 121/22** (2012.01); **F16D 127/02** (2012.01); **F16D 129/06** (2012.01)

CPC (source: EP KR)
B66B 1/32 (2013.01 - EP KR); **H01F 7/1805** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 03031309A1

Cited by
EP2344781A4; CN104781174A; EP4056509A1; EP1923345A4; DE102016124122A1; CN113165828A; AU2019409946B2; US8585158B2; WO2007029310A1; EP3816080A1; US9688512B2; US9915307B2; US10087045B2; WO2014077813A1; WO2015193834A1; WO2020127517A1

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DE

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