

Title (en)
BRAKE CONTROLLER OF ELEVATOR

Title (de)
BREMSSTEUERUNG FÜR AUFZUG

Title (fr)
COMMANDE DE FREIN D'ASCENSEUR

Publication
EP 1544148 A1 20050622 (EN)

Application
EP 03703305 A 20030210

Priority
• JP 0301385 W 20030210
• JP 2002283672 A 20020927

Abstract (en)
A brake control apparatus for an elevator includes an electromotive force estimating section for estimating an electromotive force of an electromagnet resulting from a moving speed of an armature attracted to a brake coil of the electromagnet that drives a brake shoe of an elevator brake, and a compensating section for supplying to the electromagnet a voltage command that is compensated so as to match the electromotive force or an integrated value of the electromotive force to a target value. A brake coil voltage is controlled so as to suppress the moving speed of the armature after the armature starts moving upon brake application, whereby the brake operation noise generated upon collision of the brake shoe with a brake drum can be reduced. <IMAGE>

IPC 1-7
B66B 1/32

IPC 8 full level
B66B 1/32 (2006.01)

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

Cited by
ITMO20090025A1; EP1923345A4; EP2096071A4; EP1995202A4; US8157061B2; US8585158B2; US10087045B2; WO2019197226A1; WO2013168661A3; US9371873B2

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DE FR

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