

Title (en)
Elevator velocity control.

Title (de)
Aufzugsgeschwindigkeitsreglung.

Title (fr)
Commande de vitesse d'un ascenseur.

Publication
EP 0607646 A1 19940727 (EN)

Application
EP 93300436 A 19930121

Priority
• EP 93300436 A 19930121
• JP 17358191 A 19910715

Abstract (en)
A velocity control device by which acceleration, constant speed, and deceleration control of an induction motor are carried out through an inverter by open loop control, and deceleration control is carried out at a constant deceleration D when the elevator cage reaches the location of initiation of deceleration at a predetermined distance L from the location of floor arrival; in which detection is made as to when the inverter output current reaches a level that is lower than the overcurrent halt level, and constant speed control is carried out according to the speed V_i at the time of this detection, and, when the cage reaches the point of initiation of deceleration, the constant speed is maintained for a time T_1 , where $T_1 = (L/V_i) - (V_i/2D)$ and thereafter deceleration control is performed at the constant deceleration D. The invention prevents overcurrent halts caused by increasing elevator loads and increases floor arrival precision. <IMAGE>

IPC 1-7
B66B 1/30; **B66B 1/16**

IPC 8 full level
B66B 1/16 (2006.01); **B66B 1/30** (2006.01); **B66B 1/40** (2006.01); **B66B 5/02** (2006.01); **H02P 3/18** (2006.01); **H02P 27/06** (2006.01); **H02P 27/08** (2006.01)

CPC (source: EP)
B66B 1/16 (2013.01); **B66B 1/285** (2013.01); **B66B 1/30** (2013.01)

Citation (search report)
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• [A] EP 0338777 A2 19891025 - OTIS ELEVATOR CO [US]
• [A] US 4534452 A 19850813 - OGASAWARA TSUYOSHI [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 575 (M-1062)20 December 1990 & JP-A-02 249 883 (MITSUBISHI ELECTRIC CORP) 5 October 1990

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Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0607646 A1 19940727; **EP 0607646 B1 19961016**; JP 2888671 B2 19990510; JP H0517079 A 19930126

DOCDB simple family (application)
EP 93300436 A 19930121; JP 17358191 A 19910715