

Title (en)

Elevator velocity control

Title (de)

Aufzugsgeschwindigkeitsreglung

Title (fr)

Commande de vitesse d'un ascenseur

Publication

EP 0607646 B1 19961016 (EN)

Application

EP 93300436 A 19930121

Priority

- EP 93300436 A 19930121
- JP 17358191 A 19910715

Abstract (en)

[origin: EP0607646A1] 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

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CPC (source: EP)

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Cited by

EP1911712A4; US5889238A; US5677519A; US5777280A; US7954604B2; US7658268B2

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