Title (en)
STARTING DEVICE FOR AN ELEVATOR

Publication
EP 0038966 B1 19830720 (DE)

Application
EP 81102639 A 19810408

Priority
CH 305680 A 19800421

Abstract (en)
[origin: ES8205708A1] With this start-up control apparatus it is intended to reduce the starting jerk at elevators resulting from superimposing the motor cut-on moment and load moment and to improve the starting comfort of the elevator passengers. The brake magnet of the electromechanical holding brake of the elevator is connected for this purpose with a regulation device, by means of which there can be linearly decreasingly controlled the braking force during the elevator's start-up, so that there can be obtained a linearly ascending start-up moment of the drive. The linear decrease of the braking force first appears following decay of the cut-on moment peak of the drive motor. This can be obtained by optimum correlation of the start-up time point of a reference value transmitter of the regulation device and the drive motor as well as the proportional part (P-part) of the reference value transmitter, whose transfer function approximately corresponds to the time behavior of a PI-regulator. The cut-on moment peak can only have an inappreciable effect, since the brake spring is dimensioned such that the mechanical brake moment amounts to 3-fold to 3.5-fold of the motor rated moment or torque.

IPC 1-7
B66B 1/06; B66B 1/32

IPC 8 full level
B66B 1/06 (2006.01); **B66B 1/28** (2006.01); **B66B 1/32** (2006.01)

CPC (source: EP US)
B66B 1/304 (2013.01 - EP US); **B66B 1/32** (2013.01 - EP US)

Cited by
DE19960903A1; EP0433627A3; US7740110B2

Designated contracting state (EPC)
AT BE DE FR IT NL

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EP 0038966 A1 19811104; **EP 0038966 B1 19830720**; AT E4189 T1 19830815; BR 8102382 A 19811222; CH 652995 A5 19851213; DE 3160633 D1 19830825; EG 14980 A 19890630; ES 501099 A0 19820616; ES 8205708 A1 19820616; FI 71537 B 19861010; FI 71537 C 19870119; FI 810811 L 19811022; GB 2074802 A 19811104; GB 2074802 B 19831019; HU 181309 B 19830728; MX 150072 A 19840312; US 4337848 A 19820706; ZA 811959 B 19820428

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