

Title (en)
CONTROL DEVICE OF ELEVATOR

Title (de)
STEUERVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE CONTRÔLE D'ASCENSEUR

Publication
EP 1731467 B1 20111116 (EN)

Application
EP 04724357 A 20040330

Priority
JP 2004004492 W 20040330

Abstract (en)
[origin: EP1731467A1] Provided is an elevator control system in which an elevator which has a speed controller, which generates a torque command value from a speed command value and a speed signal, and causes a car and a counter weight to be ascend and descend by controlling an electric motor by use of a power converter on the basis of the torque command value. In this elevator control system, after a prescribed time during which the elevator releases a brake, a torque command on startup is held, and speed patterns which determine the jerk, accelerated and decelerated speeds, and rated speed of the car are changed according to the torque command. In an elevator which is provided with a load weighing device which detects an in-car load and outputs a load weighing signal, and in which unbalanced loads on the car side and on the counter weight side are calculated on the basis of the load weighing signal and the torque command value is corrected on the basis of the unbalanced loads, speed patterns which determine the jerk, accelerated and decelerated speeds, and rated speed of the car are changed according to the torque command.

IPC 8 full level
B66B 1/30 (2006.01)

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

Cited by
DE112012002180B4; CN113474275A; EP2813458A1; EP3072843A1; US9114955B2; WO2020179975A1; US10745239B2; US11897725B2; US8459415B2; EP2576406B1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 04724357 A 20040330; CN 200480009184 A 20040330; JP 2004004492 W 20040330; JP 2006519105 A 20040330