Title (en)

CONTROL DEVICE OF ELEVATOR

Title (de)

STEUERVORRICHTUNG FÜR AUFZUG

Title (fr)

DISPOSITIF DE CONTRÔLE D'ASCENSEUR

Publication

EP 1731467 A4 20091111 (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 steed 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 steed 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)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2005102895A1

Cited by

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

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 1731467 A1 20061213; **EP 1731467 A4 20091111**; **EP 1731467 B1 20111116**; CN 100515899 C 20090722; CN 1767995 A 20060503; JP 4701171 B2 20110615; JP WO2005102895 A1 20070830; WO 2005102895 A1 20051103

DOCDB simple family (application)

EP 04724357 A 20040330; CN 200480009184 A 20040330; JP 2004004492 W 20040330; JP 2006519105 A 20040330