

Title (en)
CONTROL DEVICE FOR ELEVATOR

Title (de)
STEUERVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE COMMANDE D ASCENSEUR

Publication
EP 1930277 A4 20120926 (EN)

Application
EP 05788106 A 20050930

Priority
JP 2005018159 W 20050930

Abstract (en)
[origin: EP1930277A1] A control device for an elevator has a speed controller for controlling a speed of a car, slowdown stopping distance calculating means for calculating a slowdown stopping distance in normally stopping the car from a current position thereof based on information from the speed controller, advance position calculating means for calculating an advance position through addition of the slowdown stopping distance calculated by the slowdown stopping distance calculating means to the current position of the car, and next stop floor setting means for setting a next stop floor at which the car is to be stopped next through comparison of a position of a destination floor registered in response to each call for the car with the advance position. The speed controller calculates a maximum speed, an acceleration, and a jerk based on information from a weighing device and information from the next stop floor setting means, generates a speed pattern to a time point when the car is normally stopped at the next stop floor based on the calculated maximum speed, the calculated acceleration, and the calculated jerk, and controls the speed of the car according to the speed pattern.

IPC 8 full level
B66B 1/30 (2006.01)

CPC (source: EP KR)
B66B 1/14 (2013.01 - KR); **B66B 1/24** (2013.01 - KR); **B66B 1/285** (2013.01 - EP); **B66B 1/30** (2013.01 - EP)

Citation (search report)

- [XYI] US 4658935 A 19870421 - HOLLAND GORDON A [US]
- [Y] US 4456096 A 19840626 - KAJIYAMA RYUICHI [JP]
- See references of WO 2007039927A1

Cited by
EP2628699A3; US10625979B2; US10124987B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1930277 A1 20080611; **EP 1930277 A4 20120926**; CN 101065311 A 20071031; JP 5014790 B2 20120829; JP WO2007039927 A1 20090416; KR 100931429 B1 20091211; KR 20070088756 A 20070829; WO 2007039927 A1 20070412

DOCDB simple family (application)
EP 05788106 A 20050930; CN 200580040125 A 20050930; JP 2005018159 W 20050930; JP 2006529374 A 20050930; KR 20077014939 A 20050930