

Title (en)

METHOD FOR CONTROLLING A DRIVE MOTOR OF A LIFT SYSTEM

Title (de)

VERFAHREN ZUM STEUERN EINER ANTRIEBSMASCHINE EINER AUFZUGSANLAGE

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE MACHINE D'ENTRAÎNEMENT D'UN SYSTÈME D'ASCENSEUR

Publication

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Application

**EP 11752234 A 20110906**

Priority

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Abstract (en)

[origin: WO2012032020A1] In a method for controlling a drive motor (8) of an elevator system (1), in which method an elevator car (3) can be moved along a travel path by the drive motor (8) via a traction sheave (9) and at least one flexible support means (5) and can be stopped at stop positions (18) of a plurality of stops (7), a movement of the elevator car (3) can be detected by an elevator control unit (10) on the basis of signals from a rotary encoder (12) coupled to a rotary movement of the drive motor (8) or of the traction sheave (9), before the start of travel of the elevator car (3) a movement curve in the form of a distance/speed profile (20.1, 20.2, 20.6, 20.7) for travel of the elevator car (3) from a current elevator car position to a target stop position is calculated, in the calculation of the distance/speed profile (20.1, 20.2, 20.6, 20.7) a slippage to be expected between the traction sheave (9) and the support means (5) is taken into account, and during the travel of the elevator car (3) a rotary movement of the drive motor (8) and thus of the traction sheave (9) is controlled by the lift control unit (10) depending upon the calculated distance/speed profile (20.1, 20.2, 20.6, 20.7) and upon signals from the rotary encoder (12).

IPC 8 full level

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