

Title (en)

METHOD AND CONTROL UNIT FOR THE AUTOMATIC DETERMINATION OF THE MASS OF A DOOR SYSTEM

Title (de)

VERFAHREN UND STEUEREINRICHTUNG ZUR AUTOMATISCHEN BESTIMMUNG EINER MASSE EINES TÜRSYSTEMS

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE POUR DETERMINER AUTOMATIQUEMENT LA MASSE D'UN SYSTEME DE PORTE

Publication

**EP 1938160 B1 20101124 (DE)**

Application

**EP 06807203 A 20061012**

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Abstract (en)

[origin: US2010013425A1] A method is disclosed for automatically determining an effective mass of a door system that is driven by a motor and has at least one door. In this case a speed change accomplished during an acceleration movement is established, and a force variable, for example the motor current or an armature voltage, influencing the drive force of the motor is summed or integrated during the acceleration movement. The effective door mass is established from the sum or the integral of the force variable and the speed change, the summation or the integration of the force variable being performed over a number of operating system cycles of a control device assigned to the door system. Also described is a control device for automatically determining the effective door mass, having a memory for force variable profiles that is designed in such a way that mass can be established for different force variable profiles in the memory in conjunction with an unchanged program code.

IPC 8 full level

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