

Title (en)

Electrical garage door drive

Title (de)

Elektrischer Garagentorantrieb

Title (fr)

Commande électrique de porte de garage

Publication

EP 0839980 B1 20000223 (DE)

Application

EP 97114148 A 19970816

Priority

DE 19644056 A 19961031

Abstract (en)

[origin: EP0839980A1] The drive motor of a garage door actuator is coupled to a controller Å11Ü supplied with mains electricity Å12Ü. The controller has a motor power limiting stage Å13Ü that is controlled by a microprocessor Å14Ü. Coupled to the microprocessor is a coded plug and socket Å15,16Ü that connects with electrical Å19Ü or optical Å18Ü sensors for additional protection. The drive motor power limiting device is designed as a phase-control device or as a voltage or current regulator or as switchable motor windings.

IPC 1-7

E05F 15/00; H01R 13/703

IPC 8 full level

E05F 15/00 (2006.01); **E05F 15/40** (2015.01); **E05F 15/42** (2015.01); **H01R 13/703** (2006.01)

CPC (source: EP)

E05F 15/40 (2015.01); **E05F 15/42** (2015.01); **H01R 13/7039** (2013.01); **E05F 15/668** (2015.01); **E05Y 2201/434** (2013.01); **E05Y 2400/315** (2013.01); **E05Y 2400/53** (2013.01); **E05Y 2400/554** (2013.01); **E05Y 2400/58** (2013.01); **E05Y 2800/17** (2013.01); **E05Y 2800/232** (2013.01); **E05Y 2800/70** (2013.01); **E05Y 2900/106** (2013.01)

Cited by

CN100338326C; FR2851320A1; WO03095779A1; US7075256B2; US6873127B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0839980 A1 19980506; **EP 0839980 B1 20000223**; AT E189909 T1 20000315; DE 19644056 C1 19980402; DE 59701145 D1 20000330; ES 2144818 T3 20000616

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