

Title (en)

Automatic stopping device for an electric motor after a given number of revolutions.

Title (de)

Automatische Arretierungsvorrichtung für einen elektrischen Motor nach einer bestimmten Anzahl von Umdrehungen.

Title (fr)

Dispositif d'arrêt automatique pour moteur électrique après un certain nombre de tours.

Publication

EP 0434614 B1 19940824 (FR)

Application

EP 90810961 A 19901207

Priority

FR 8917072 A 19891222

Abstract (en)

[origin: EP0434614A1] Device in which a travelling nut (8) moves on a threaded rod (10), one of these elements being driven in rotation by the electric motor to be controlled, the sliding nut actuating a switch (21) when it arrives at the end of its travel after a specified number of turns of the motor. The sliding nut (8) is integral in rotation with a second nut (12) intended to cooperate with a second threaded part (13) situated at the extremity of the first threaded part (10), of greater diameter than the diameter of the first threaded part and the pitch of the threading of which is substantially larger than the pitch of the threading of the first threaded part (10), so that when the second nut (12) engages with the second threaded part (13), it moves more quickly than the first nut and quickly comes to actuate the switch. This improvement enables the precision of the stopping of the motor to be enhanced independently of the magnitude of the pitch of the first threaded part, that is to say independently of the length of this threaded part, that is to say of the size of the device. <IMAGE>

IPC 1-7

H01H 19/18

IPC 8 full level

H01H 19/18 (2006.01); **H02P 3/06** (2006.01)

CPC (source: EP US)

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EP 0434614 A1 19910626; **EP 0434614 B1 19940824**; AT E110494 T1 19940915; DE 69011828 D1 19940929; DE 69011828 T2 19950420; ES 2060128 T3 19941116; FR 2656463 A1 19910628; FR 2656463 B1 19920417; JP H0438183 A 19920207; US 5111925 A 19920512

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