

Title (en)

Rotational drive device for the take-up element of a roller shutter

Title (de)

Drehantriebsvorrichtung zum Drehen der Rolle eines Rolladens

Title (fr)

Dispositif d'entraînement en rotation d'un élément d'enroulement de volet roulant

Publication

EP 0775798 B1 20020710 (FR)

Application

EP 96420336 A 19961126

Priority

FR 9514443 A 19951127

Abstract (en)

[origin: EP0775798A1] The rotating drive for a shutter roller comprises an electric motor (2) with a stator and rotor (2a). A brake (10) prevents rotation of the roller relative to a fixed casing (1) when the motor is inactive. The brake comprises a part (11,14) fixed to rotate with the rotor which engages locking parts (19,19') carried by a flange (18). The motor and the brake are mounted inside the casing. A crown wheel (29) is fixed to the casing and a sleeve (25) engages with the flange and the crown wheel to form planetary gearing. The sleeve is rotationally locked relative to the crown wheel by a brake spring (30). A drum (22) connected to a manual control (20) is coaxial with the flange, the sleeve and the crown wheel.

IPC 1-7

E06B 9/74

IPC 8 full level

E06B 9/74 (2006.01); **E06B 9/76** (2006.01)

CPC (source: EP)

E06B 9/74 (2013.01); **E06B 9/76** (2013.01)

Cited by

CN107829669A; EP1180576A1; CN1091746C; EP2034126A1; FR2920812A1; WO0155548A1; US7089991B2; US7451803B2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0775798 A1 19970528; EP 0775798 B1 20020710; CA 2191396 A1 19970528; DE 69622243 D1 20020814; DE 69622243 T2 20030306; ES 2177752 T3 20021216; FR 2741661 A1 19970530; FR 2741661 B1 19990618

DOCDB simple family (application)

EP 96420336 A 19961126; CA 2191396 A 19961127; DE 69622243 T 19961126; ES 96420336 T 19961126; FR 9514443 A 19951127