

Title (en)

Device for moving and retaining shutters from the inside of the building

Title (de)

Vorrichtung zum Bewegen und Halten von Fensterläden vom Innenraum her

Title (fr)

Dispositif pour manoeuvrer et retenir des volets d'intérieur

Publication

EP 0955434 B1 20040114 (EN)

Application

EP 99108524 A 19990504

Priority

IT FO980014 A 19980506

Abstract (en)

[origin: EP0955434A2] A device for moving and retaining shutters from the inside of the building, comprising a reduction unit with a worm screw gear system (20) actuated by an actuation shaft and stably engaged in a ring gear (7,10) located on the pivoting axis of the leaf-like part, comprising friction means (6,11) and elastic means (8,9) for transmitting the actuation motion from the gear system to the leaf-like part; the means, although using a nonreversible gear system and in order to prevent a sudden force affecting the leaf-like part in contrast with the reduction unit from damaging the reduction unit or the means for fixing the device to the leaf-like part, allow the connection of the gear system to the leaf-like part to be moved to occur due to the friction applied through the friction means (6,11) and elastic means (8,9), adequately compressed. <IMAGE>

IPC 1-7

E05F 11/34; E05F 11/36; E05F 15/12

IPC 8 full level

E05F 11/34 (2006.01); **E05F 11/36** (2006.01)

CPC (source: EP)

E05F 11/34 (2013.01); **E05F 11/36** (2013.01); **E05F 15/614** (2015.01); **E05Y 2201/216** (2013.01); **E05Y 2201/236** (2013.01); **E05Y 2900/146** (2013.01)

Cited by

CN110767324A; FR2952396A1; EP2325427A3; US8671620B2

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

EP 0955434 A2 19991110; **EP 0955434 A3 20010816**; **EP 0955434 B1 20040114**; AT E257899 T1 20040115; DE 69914124 D1 20040219; IT 1306377 B1 20010606; IT FO980014 A1 19991106

DOCDB simple family (application)

EP 99108524 A 19990504; AT 99108524 T 19990504; DE 69914124 T 19990504; IT FO980014 A 19980506