

Title (en)

Free running device for a wing control of a door or window

Title (de)

Freilaufvorrichtung für den Antrieb eines Flügels einer Tür oder eines Fensters

Title (fr)

Dispositif désembrayable d'un entraînement d'une aile de porte ou de fenêtre

Publication

EP 1431497 B1 20090520 (DE)

Application

EP 03026358 A 20031118

Priority

DE 10260108 A 20021219

Abstract (en)

[origin: EP1431497A2] The drive is integrated in the casement or frame and has an actuating arm which pivots when the casement is actuated. The actuating arm has in the region around the output shaft (11) opposing bores for inserting a follower which can be inserted in one of the bores to selectively fix the actuating direction of the drive. The follower disc (13) is formed semi circular to allow symmetrical use of the drive on left and right casements.

IPC 8 full level

E05F 3/22 (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP)

E05F 3/221 (2013.01); **E05F 3/223** (2013.01); **E05F 3/227** (2013.01); **E05F 3/104** (2013.01); **E05F 2003/228** (2013.01); **E05Y 2201/216** (2013.01); **E05Y 2201/234** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2800/172** (2013.01); **E05Y 2900/132** (2013.01)

Cited by

EP2993293A1; CN105178753A; EP2754817A3; EP2993294A1; EP3245371B1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1431497 A2 20040623; **EP 1431497 A3 20070718**; **EP 1431497 B1 20090520**; AT E431892 T1 20090615; CN 1307359 C 20070328; CN 1508375 A 20040630; DE 10260108 B3 20040916; DE 50311531 D1 20090702; HK 1065835 A1 20050304; SG 116515 A1 20051128

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