

Title (en)

Drive for a wing of a door or window

Title (de)

Antrieb für einen Flügel einer Tür oder eines Fensters

Title (fr)

Commande pour l'ouvrant d'une porte ou d'une fenêtre

Publication

EP 1431494 A3 20070509 (DE)

Application

EP 03028806 A 20031215

Priority

DE 10259237 A 20021217

Abstract (en)

[origin: EP1431494A2] Drive for a leaf of a door or a window comprises a housing (2) with a receiving chamber for supporting the drive. The housing has a dimensionally stabilizing insert (7'). The required housing wall thickness is formed at least in sections by an inner and outer cover layer of plastic (11) on the insert. An Independent claim is also included for an alternative drive. Preferred Features: The insert is made in one piece. The insert is made from metal as a stamped/bent component or by an inner high pressure forming process, or from plastic by injection molding or casting.

IPC 8 full level

E05F 3/00 (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP)

E05F 3/102 (2013.01); **E05F 3/227** (2013.01); **E05Y 2201/10** (2013.01); **E05Y 2600/628** (2013.01); **E05Y 2800/45** (2013.01); **E05Y 2800/68** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [X] DE 3303797 A1 19840809 - DIECKMANN DIETER DIPL ING
- [X] WO 9520090 A1 19950727 - GRETSCH UNITAS GMBH [DE], et al
- [X] DE 20010423 U1 20011011 - GRETSCH UNITAS GMBH [DE]

Cited by

EP1705329A1; EP2993295A1; EP2372065A3; WO2010000472A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1431494 A2 20040623; **EP 1431494 A3 20070509**; **EP 1431494 B1 20100210**; AT E457404 T1 20100215; DE 10259237 A1 20040715; DE 10259237 B4 20060209; DE 50312406 D1 20100325; ES 2337035 T3 20100420; PT 1431494 E 20100218

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