

Title (en)

Drive to operate the leaf of a door or window

Title (de)

Antrieb für einen Flügel eines Fensters oder einer Tür

Title (fr)

Entraînement pour un battant d'une fenêtre ou d'une porte

Publication

EP 2075398 A3 20130724 (DE)

Application

EP 08171434 A 20081212

Priority

CN 200710199765 A 20071228

Abstract (en)

[origin: EP2075398A2] The drive (10) has a housing (11) i.e. cylindrical tube, comprising a fluid volume in a closed system, where volume change of hydraulic fluids (20) due to heat expansion is compensated by a gas volume subjected by the fluids. The compensated gas volume is enclosed by a tube section and a bellow. Pressure of the hydraulic fluids acts on a mantle surface of the tube section and the bellow. The tube section and the bellow are made of flexible, rubber elastic material. The tube section and the bellow are held by a fixed compensation container.

IPC 8 full level

E05F 3/10 (2006.01)

CPC (source: EP)

E05F 3/102 (2013.01); **E05F 3/12** (2013.01); **E05F 3/227** (2013.01); **E05Y 2201/499** (2024.05); **E05Y 2400/818** (2013.01); **E05Y 2800/00** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [XA] GB 1214673 A 19701202 - PARKES JOSIAH & SONS LTD
- [X] US 2994906 A 19610808 - CHECK MATHIAS M

Cited by

DE102010029025A1; DE102010029024A1; CN117548535A; EP2388422A3; DE102010029025B4; DE102010029026B4; EP2388421A3; DE102010029024B4; EP2388421A2; JP2014190101A; EP2388422A2; EP2388423A2; DE102010029026A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2075398 A2 20090701; **EP 2075398 A3 20130724**; **EP 2075398 B1 20140910**; CN 101469586 A 20090701; CN 101469586 B 20130417

DOCDB simple family (application)

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