

Title (en)

DRIVE DEVICE FOR OPENING OR CLOSING A DOOR OR SIMILAR

Title (de)

ANTRIEBSVORRICHTUNG ZUM FFNEN BZW. SCHLIESSEN EINER T R ODER DERGLEICHEN

Title (fr)

DISPOSITIF D'ENTRAINEMENT POUR OUVRIR ET FERMER UNE PORTE OU SIMILAIRE

Publication

**EP 1519991 A1 20050406 (DE)**

Application

**EP 03761490 A 20030624**

Priority

- DE 10228870 A 20020627
- EP 0306619 W 20030624

Abstract (en)

[origin: WO2004003076A1] The invention relates to a drive device for opening or closing a leaf of a door, a window or similar. Said device comprises a housing (1) and a closing spring (2), which is located in the housing (1) and acts upon a piston (3), the latter co-operating with a closing shaft (4) in the housing (1) by means of gearing. To improve a drive device of this type with respect to the choice of material, the inventive piston (3) and housing (1) consist of polyoxymethylene plastic (POM).

IPC 1-7

**C08L 59/02**; E05F 3/10; E05F 3/04

IPC 8 full level

**C08L 59/02** (2006.01); **E05D 15/52** (2006.01); **E05F 3/04** (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP US)

**C08L 59/02** (2013.01 - EP US); **E05F 3/04** (2013.01 - EP US); **E05F 3/102** (2013.01 - EP US); **E05Y 2201/628** (2013.01 - EP US); **E05Y 2600/54** (2013.01 - EP US); **E05Y 2800/29** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **Y10T 74/18568** (2015.01 - EP US)

Citation (search report)

See references of WO 2004003076A1

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

DOCDB simple family (publication)

**WO 2004003076 A1 20040108**; AU 2003257421 A1 20040119; CN 100439445 C 20081203; CN 1665880 A 20050907; DE 10228870 A1 20040115; EP 1519991 A1 20050406; JP 2006504885 A 20060209; NO 20045393 L 20041209; PL 372449 A1 20050725; RU 2005102003 A 20060120; US 2006070467 A1 20060406; US 7815023 B2 20101019; ZA 200500010 B 20051011

DOCDB simple family (application)

**EP 0306619 W 20030624**; AU 2003257421 A 20030624; CN 03815113 A 20030624; DE 10228870 A 20020627; EP 03761490 A 20030624; JP 2004516652 A 20030624; NO 20045393 A 20041209; PL 37244903 A 20030624; RU 2005102003 A 20030624; US 51870204 A 20041220; ZA 200500010 A 20050103