

Title (en)

SELF-LOCKING CYLINDER FOR A DOOR OF A MOTOR VEHICLE

Title (de)

SELBSTVERRIEGELNDER ZYLINDER FÜR EINE TÜR EINES KRAFTFAHRZEUGS

Title (fr)

VÉRIN AUTO-BLOQUANT POUR OUVRANT DE VÉHICULE AUTOMOBILE

Publication

EP 2964973 A1 20160113 (FR)

Application

EP 14708060 A 20140306

Priority

- EP 13158060 A 20130306
- EP 2014054363 W 20140306
- EP 14708060 A 20140306

Abstract (en)

[origin: EP2775164A1] The cylinder (1) has a chamber (2) and a piston (3) that includes a rod (32) and a head (31). The head of the piston includes a surface (310) opposite to the rod that faces a bottom surface (21) of the chamber. The bottom surface of the chamber includes a stop unit (4) having a contact surface (41) impermeable to fluid that faces a portion of one of the piston head surface and bottom surface of the chamber. The contact surface of the stop unit is arranged to expel the air located between the contact surface and the portion of one of the piston head surface and bottom surface of the chamber.

IPC 8 full level

F16F 9/58 (2006.01)

CPC (source: CN EP US)

F16F 9/585 (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014135643A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2775164 A1 20140910; BR 112015021378 A2 20170718; CN 105026791 A 20151104; EP 2964973 A1 20160113; JP 2016510863 A 20160411; KR 20150126389 A 20151111; US 2016010718 A1 20160114; WO 2014135643 A1 20140912

DOCDB simple family (application)

EP 13158060 A 20130306; BR 112015021378 A 20140306; CN 201480011499 A 20140306; EP 14708060 A 20140306; EP 2014054363 W 20140306; JP 2015560692 A 20140306; KR 20157027300 A 20140306; US 201414773004 A 20140306