

Title (en)
VALVE

Title (de)
VENTIL

Title (fr)
VANNE

Publication
EP 3559529 A1 20191030 (DE)

Application
EP 17829958 A 20171219

Priority
• DE 102016226071 A 20161222
• EP 2017083510 W 20171219

Abstract (en)
[origin: WO2018114927A1] The invention relates to a valve having a housing (1), a solenoid (5) disposed in the housing (1), a pin (7) that can be moved by the solenoid, a piston (8) connected to the pin (7), and a seal (6) arranged between the housing (1) and the piston (8). The seal (16) is an axially acting seal (16) which cooperates with a sealing surface (24) of the piston (8) when the valve is closed.

IPC 8 full level
F02B 37/16 (2006.01); **F16K 31/06** (2006.01); **F16K 39/02** (2006.01)

CPC (source: EP KR US)
F02B 37/16 (2013.01 - EP KR); **F16K 1/34** (2013.01 - US); **F16K 25/005** (2013.01 - US); **F16K 27/029** (2013.01 - KR); **F16K 31/0655** (2013.01 - EP KR US); **F16K 31/0686** (2013.01 - EP KR); **F16K 39/024** (2013.01 - KR); **F02B 37/16** (2013.01 - US); **F16J 15/3204** (2013.01 - US)

Citation (search report)
See references of WO 2018114927A1

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)
WO 2018114927 A1 20180628; CN 110100129 A 20190806; DE 102016226071 A1 20180628; EP 3559529 A1 20191030; JP 2020502455 A 20200123; JP 6887503 B2 20210616; KR 20190099005 A 20190823; US 11168806 B2 20211109; US 2020116273 A1 20200416

DOCDB simple family (application)
EP 2017083510 W 20171219; CN 201780079588 A 20171219; DE 102016226071 A 20161222; EP 17829958 A 20171219; JP 2019534388 A 20171219; KR 20197020644 A 20171219; US 201716471802 A 20171219