

Title (en)

LINEAR ACTUATOR AND METHOD FOR OPERATING SUCH A LINEAR ACTUATOR

Title (de)

LINEARAKTOR UND VERFAHREN ZUM BETRIEB EINES SOLCHEN LINEARAKTORS

Title (fr)

RÉACTEUR LINÉAIRE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN TEL RÉACTEUR LINÉAIRE

Publication

**EP 3146207 A1 20170329 (DE)**

Application

**EP 15747991 A 20150720**

Priority

- DE 102014215110 A 20140731
- EP 2015066534 W 20150720

Abstract (en)

[origin: WO2016016031A1] The linear actuator comprises a double-chamber solenoid pump comprising at least one pump coil, a multi-way valve and at least one pump armature that can be moved by energizing the at least one pump coil and is provided with a switching armature by means of which the multi-way valve can be switched and which can be moved by energizing the at least one pump coil. In the method, both the switching armature and the pump armature are moved by energizing the pump coil.

IPC 8 full level

**F04B 17/04** (2006.01)

CPC (source: CN EP KR US)

**F01B 3/002** (2013.01 - US); **F01B 3/0023** (2013.01 - US); **F04B 17/04** (2013.01 - CN EP KR US); **F04B 39/121** (2013.01 - US); **F15B 13/0401** (2013.01 - US); **F15B 13/044** (2013.01 - US); **F15B 15/088** (2013.01 - KR); **F15B 15/1423** (2013.01 - KR); **F04B 45/047** (2013.01 - US); **F15B 2211/7051** (2013.01 - KR)

Citation (search report)

See references of WO 2016016031A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102014215110 A1 20160204**; CN 106662085 A 20170510; CN 106662085 B 20200313; EP 3146207 A1 20170329; JP 2017530287 A 20171012; JP 6452802 B2 20190116; KR 101996661 B1 20190704; KR 20170024060 A 20170306; US 10731464 B2 20200804; US 2017218758 A1 20170803; WO 2016016031 A1 20160204

DOCDB simple family (application)

**DE 102014215110 A 20140731**; CN 201580040771 A 20150720; EP 15747991 A 20150720; EP 2015066534 W 20150720; JP 2017505506 A 20150720; KR 20177002496 A 20150720; US 201515500833 A 20150720