

Title (en)
FUEL INJECTOR

Title (de)
KRAFTSTOFFEINSPRITZER

Title (fr)
INJECTEUR DE CARBURANT

Publication
EP 3387248 A1 20181017 (FR)

Application
EP 16806118 A 20161206

Priority
• FR 1562250 A 20151211
• EP 2016079938 W 20161206

Abstract (en)
[origin: WO2017097777A1] A fuel injector (10) comprises a solenoid (24) and a nozzle in the body (30) of which a movable member (32) is slidingly guided along a longitudinal axis (X), the movable member (32) extending between a bottom end and a top end provided with a magnetic core capable of cooperating with the solenoid (24). When the solenoid (24) is powered, the movable member (32) moves towards an open position and, when the solenoid (24) is not powered, the movable member (32) is pushed back towards a closed position. The injector (10) is moreover provided with a control chamber defining a damper capable of slowing, during use, the movement of the movable member (32) towards the open position.

IPC 8 full level
F02M 61/10 (2006.01); **F02M 45/08** (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 45/083 (2013.01); **F02M 51/0614** (2013.01); **F02M 51/0664** (2013.01); **F02M 51/0671** (2013.01); **F02M 51/0675** (2013.01); **F02M 51/0685** (2013.01); **F02M 61/10** (2013.01); **F02M 61/16** (2013.01); **F02M 61/20** (2013.01); **F02M 47/027** (2013.01); **F02M 63/0017** (2013.01); **F02M 63/007** (2013.01); **F02M 2200/304** (2013.01); **F02M 2200/306** (2013.01)

Citation (search report)
See references of WO 2017097777A1

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 2017097777 A1 20170615; CN 108474339 A 20180831; CN 108474339 B 20201204; EP 3387248 A1 20181017; FR 3045109 A1 20170616; FR 3045109 B1 20180105; JP 2019502053 A 20190124; JP 6888878 B2 20210616

DOCDB simple family (application)
EP 2016079938 W 20161206; CN 201680072157 A 20161206; EP 16806118 A 20161206; FR 1562250 A 20151211; JP 2018530105 A 20161206