

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFEINSPRITZER

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3209877 A1 20170830 (FR)**

Application  
**EP 15784621 A 20151016**

Priority  
• FR 1460054 A 20141020  
• EP 2015074051 W 20151016

Abstract (en)  
[origin: WO2016062639A1] The invention relates to a fuel injector including a needle (72), a two-way solenoid valve (24), such that in the closed position of the solenoid valve, the pressure rises in the control chamber and, a means (26, 114) for reducing dynamic leaks which prevent the fuel from flowing directly from the supply channel (146) to a return circuit (148) when the solenoid valve (24) is in the open position.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 61/04** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 61/042** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0029** (2013.01); **F02M 63/0043** (2013.01); **F02M 63/0073** (2013.01); **F02M 2200/16** (2013.01); **F02M 2200/28** (2013.01)

Citation (search report)  
See references of WO 2016062639A1

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)  
**FR 3027350 A1 20160422**; **FR 3027350 B1 20191004**; EP 3209877 A1 20170830; EP 3209877 B1 20201209; JP 2017531765 A 20171026; JP 6701212 B2 20200527; WO 2016062639 A1 20160428

DOCDB simple family (application)  
**FR 1460054 A 20141020**; EP 15784621 A 20151016; EP 2015074051 W 20151016; JP 2017540315 A 20151016