

Title (en)  
FUEL INJEKTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3169890 A1 20170524 (FR)**

Application  
**EP 15728807 A 20150605**

Priority  
• FR 1456783 A 20140715  
• EP 2015062570 W 20150605

Abstract (en)  
[origin: WO2016008640A1] A fuel injector (10) for an internal combustion engine comprises: an injector body (12) in which there are positioned an actuator (14), a control valve (21) and a needle guide (24). The actuator actuates the control valve (21), the control valve (21) controlling an injection needle (38) sliding in its guide (24) between an open position in which injection is permitted and a closed position in which the injection of fuel is prevented. The injector (10) additionally comprises a first electrical connection (42) extending from the guide (24) of the needle (38) to intermediate electrical connection means (40) internal to the injector, and also comprises a second electrical connection (44) extending from said intermediate connection means (40) to a connector pin (46) accessible from the outside of the injector so that an electrical signal indicative of the position of the needle can be transmitted from the guide (24) of the needle (38) to the connector pin (46) and therefore be accessible to an external electronic computer.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 51/00** (2006.01); **F02M 57/00** (2006.01); **F02M 61/16** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP US)  
**F02M 47/027** (2013.01 - EP US); **F02M 51/005** (2013.01 - EP US); **F02M 57/005** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 65/005** (2013.01 - EP US); **F02M 51/061** (2013.01 - US); **F02M 51/0614** (2013.01 - US); **F02M 2200/245** (2013.01 - US); **F02M 2200/8046** (2013.01 - EP US)

Citation (search report)  
See references of WO 2016008640A1

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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

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DOCDB simple family (publication)  
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