

Title (en)  
FUEL INJECTOR

Title (de)  
KRAFTSTOFFINJEKTOR

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3368763 B1 20200101 (FR)**

Application  
**EP 16785177 A 20161024**

Priority  
• FR 1560373 A 20151029  
• EP 2016075577 W 20161024

Abstract (en)  
[origin: WO2017072081A1] A fuel injector for an internal combustion engine, comprising: an injection nozzle (12) with a body (16) in which a needle (14) is arranged; a control chamber (46) collaborating with a control valve driven by an actuator. A device for detecting the position of the needle comprises a contactor element (62) actuated by the upper part of the needle (42), the device being designed so that the contactor element is in contact, in the closed position, with terminal-forming element (64) of the position detection device, and so that the lifting of the needle causes a break in contact. The contactor element may be a spring, installed in the control chamber (46) and which is deformed radially in the closed position so as to touch an end of a rod and thus close the detection circuit.

IPC 8 full level  
**F02M 57/00** (2006.01); **F02M 65/00** (2006.01); **G01D 5/165** (2006.01)

CPC (source: EP)  
**F02M 57/005** (2013.01); **F02M 65/005** (2013.01); **F02M 2200/245** (2013.01)

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DOCDB simple family (publication)  
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