

Title (en)  
FUEL INJECTOR

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 3365548 B1 20201209 (FR)**

Application  
**EP 16787766 A 20161018**

Priority  
• FR 1560122 A 20151023  
• EP 2016074983 W 20161018

Abstract (en)  
[origin: WO2017067930A1] A mobile valve member (48) designed to be arranged in the nozzle body (30) of a fuel (F) injector (10), extends along a main axis (XI) and comprises a piston (50) formed of a male first cylinder (62) of effective diameter (DE) forming the top end of the mobile member (48) and of a second cylinder (64) provided with an internal cylindrical bore (68) of diameter (DE) and a shutoff member (52) comprising a male cylindrical shaft (84) of effective diameter (DE) which is a sliding fit in the internal bore (68), and of a member (88) extending as far as a pointed end provided with a mobile seat (56) and forming the bottom end of the mobile member (48). The mobile member (48) is hydraulically balanced and has a length between its top end and its bottom end that is variable because of the sliding of the cylindrical shaft (84) in the internal bore (68) of the piston.

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
**F02M 51/066** (2013.01 - EP US); **F02M 55/002** (2013.01 - EP US); **F02M 61/10** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US); **F02M 61/1873** (2013.01 - US); **F02M 2200/46** (2013.01 - US); **F02M 2200/50** (2013.01 - EP US); **F02M 2200/502** (2013.01 - US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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