

Title (en)
Fuel injector

Title (de)
Kraftstoff-Injektor

Title (fr)
Injecteur de carburant

Publication
EP 2206912 A3 20100721 (DE)

Application
EP 09169850 A 20090909

Priority
DE 102009000181 A 20090113

Abstract (en)
[origin: EP2206912A2] The fuel injector has a multi-part injection valve element (18) adjustable between a closed and an open position. A part (19) is guided in another part (24), and the coupling volume (50) is connected with an injector volume (12) by a choke arrangement (52), which is formed such that the discharge volume flow increases only marginally with increasing pressure difference between the coupling volume and injector volume.

IPC 8 full level
F02M 47/02 (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)
F02M 47/027 (2013.01 - EP US); **F02M 61/12** (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US)

Citation (search report)

- [A] DE 102007001363 A1 20080710 - BOSCH GMBH ROBERT [DE]
- [A] DE 102007014359 A1 20080306 - BOSCH GMBH ROBERT [DE]
- [A] WO 9949209 A1 19990930 - MTU FRIEDRICHSHAFEN GMBH [DE], et al
- [A] EP 0690223 A2 19960103 - ELASIS SISTEMA RICERCA FIAT [IT]

Cited by
CN104533683A; US2017226974A1; US10240566B2; WO2012130452A1; WO2016020469A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2206912 A2 20100714; EP 2206912 A3 20100721; EP 2206912 B1 20110803; AT E519031 T1 20110815; DE 102009000181 A1 20100715; US 2010175665 A1 20100715; US 8302888 B2 20121106

DOCDB simple family (application)
EP 09169850 A 20090909; AT 09169850 T 20090909; DE 102009000181 A 20090113; US 68660610 A 20100113