

Title (en)  
FUEL INJECTION DEVICE

Title (de)  
BRENNSTOFFEINSPRITZVORRICHTUNG

Title (fr)  
DISPOSITIF D'INJECTION DE CARBURANT

Publication  
**EP 2188516 A1 20100526 (DE)**

Application  
**EP 08783475 A 20080905**

Priority  
• CH 2008000375 W 20080905  
• CH 14282007 A 20070913

Abstract (en)  
[origin: WO2009033304A1] The invention relates to an injection device for injecting high-pressure fuel into the combustion chamber of an internal combustion engine, said device comprising an injection valve assigned to a discrete reservoir chamber (68). A non-return valve (74) operates between said chamber and the high-pressure supply line (44) and the filter (72), which is preferably designed as an edge filter (72'), forms a stop (106) for limiting the opening motion of the valve member (100) that is preferably designed as a valve member plate (100').

IPC 8 full level  
**F02M 55/02** (2006.01); **F02M 55/00** (2006.01); **F02M 61/16** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP US)  
**F02M 55/025** (2013.01 - EP US); **F02M 55/04** (2013.01 - EP US); **F02M 61/165** (2013.01 - EP US); **F02M 63/0205** (2013.01 - EP); **F02M 63/0225** (2013.01 - EP US); **F02M 2200/40** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009033304A1

Cited by  
US9803603B2; WO2014131497A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009033304 A1 20090319; WO 2009033304 A8 20100318**; AT E530761 T1 20111115; BR PI0816923 A2 20150317; EP 2188516 A1 20100526; EP 2188516 B1 20111026; US 2010170476 A1 20100708; US 8336524 B2 20121225

DOCDB simple family (application)  
**CH 2008000375 W 20080905**; AT 08783475 T 20080905; BR PI0816923 A 20080905; EP 08783475 A 20080905; US 67752208 A 20080905