

Title (en)  
High pressure fuel pump

Title (de)  
Kraftstoff-Hochdruckpumpe

Title (fr)  
Pompe à carburant à haute pression

Publication  
**EP 2333304 B1 20120822 (DE)**

Application  
**EP 11157492 A 20070416**

Priority  
• EP 07728147 A 20070416  
• DE 102006019049 A 20060425  
• DE 102007016134 A 20070329

Abstract (en)  
[origin: DE102007016134A1] The pump has a high pressure discharge unit (26), and a pressure limiting valve (42) with a valve unit that is actuated by a pressure difference. A throttle arrangement (64) is provided at a high pressure side of a valve seat (54) of the pressure limiting valve. The cross section of the throttle arrangement is approximately equal to a desired maximum opening cross section of the pressure limiting valve.

IPC 8 full level  
**F02M 59/46** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP US)  
**F02M 63/0036** (2013.01 - EP US); **F02M 63/005** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F02M 63/0245** (2013.01 - EP US); **F04B 49/035** (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP US); **F02M 2200/31** (2013.01 - EP US)

Cited by  
WO2019166136A1; WO2021013507A1

Designated contracting state (EPC)  
DE ES FR IT

DOCDB simple family (publication)  
**DE 102007016134 A1 20071108**; CN 101432518 A 20090513; CN 101432518 B 20120711; EP 2013469 A1 20090114; EP 2013469 B1 20110928; EP 2333304 A1 20110615; EP 2333304 B1 20120822; EP 2336546 A1 20110622; EP 2336546 B1 20140618; ES 2370854 T3 20111223; ES 2479691 T3 20140724; JP 2009534582 A 20090924; JP 5069288 B2 20121107; US 2009252621 A1 20091008; US 8202065 B2 20120619; WO 2007122127 A1 20071101

DOCDB simple family (application)  
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