

Title (en)  
FUEL DELIVERY DEVICE

Title (de)  
KRAFTSTOFFFÖRDEREINRICHTUNG

Title (fr)  
DISPOSITIF DE REFOULEMENT DE CARBURANT

Publication  
**EP 2596232 B1 20160420 (DE)**

Application  
**EP 11726103 A 20110609**

Priority  
• DE 102010031622 A 20100721  
• EP 2011059556 W 20110609

Abstract (en)  
[origin: WO2012010373A1] The invention proposes a fuel delivery device for a fuel injection device of an internal combustion engine, having a delivery pump (10) and having at least one high-pressure pump (16). By means of the delivery pump (10), fuel from a storage container (12) is delivered to the suction side of the high-pressure pump (16), and fuel is delivered into a high-pressure region (18) by the high-pressure pump (16). The delivery pump (10) has an adjustable displacement volume, which means that a variable quantity of fuel can be conveyed at the same rotational speed.

IPC 8 full level  
**F02M 37/00** (2006.01); **F02M 63/02** (2006.01); **F02M 69/02** (2006.01); **F04C 2/344** (2006.01); **F04C 11/00** (2006.01); **F04C 14/02** (2006.01); **F04C 14/22** (2006.01); **F04C 14/26** (2006.01)

CPC (source: EP KR US)  
**F02M 59/20** (2013.01 - KR); **F02M 59/22** (2013.01 - KR); **F02M 59/36** (2013.01 - KR); **F02M 63/02** (2013.01 - KR); **F02M 63/025** (2013.01 - EP US); **F02M 69/02** (2013.01 - US); **F02M 69/54** (2013.01 - KR); **F04C 2/3442** (2013.01 - EP US); **F04C 11/00** (2013.01 - EP US); **F04C 14/02** (2013.01 - EP US); **F04C 14/26** (2013.01 - EP US); **F02M 37/00** (2013.01 - EP US); **F04C 14/22** (2013.01 - EP US)

Citation (examination)  
• DE 10343482 A1 20050414 - BOSCH GMBH ROBERT [DE]  
• DE 102006027486 A1 20071220 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102010031622 A1 20120126**; CN 103003560 A 20130327; CN 103003560 B 20170405; EP 2596232 A1 20130529; EP 2596232 B1 20160420; JP 2013536345 A 20130919; JP 5693718 B2 20150401; KR 101867632 B1 20180615; KR 20130132729 A 20131205; US 2013112174 A1 20130509; US 9328710 B2 20160503; WO 2012010373 A1 20120126

DOCDB simple family (application)  
**DE 102010031622 A 20100721**; CN 201180035672 A 20110609; EP 11726103 A 20110609; EP 2011059556 W 20110609; JP 2013520029 A 20110609; KR 20137001383 A 20110609; US 201113808959 A 20110609