

Title (en)

FUEL DELIVERY SYSTEM OF AN INTERNAL COMBUSTION ENGINE, COMPRISING A ROTARY PUMP

Title (de)

KRAFTSTOFFFÖRDERSYSTEM EINER BRENNKRAFTMASCHINE, MIT EINER ROTATIONS PumPE

Title (fr)

SYSTÈME DE TRANSPORT DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE COMPORTANT UNE POMPE ROTATIVE

Publication

**EP 2649320 B1 20150520 (DE)**

Application

**EP 11773297 A 20111025**

Priority

- DE 102010062668 A 20101208
- EP 2011068651 W 20111025

Abstract (en)

[origin: WO2012076241A1] The invention relates to a fuel delivery system (16) of an internal combustion engine, comprising a rotary pump (22) that pumps fuel from a low-pressure region (17) into a high-pressure region (25), said rotary pump (22) having at least one inlet section (42) on the low-pressure side and at least one outlet section (44, 46) on the high-pressure side. The system also comprises a controllable valve device (32) that lies between the inlet section (42) on the low-pressure side and the low-pressure region (17) for controlling the delivered fuel flow. The rotary pump (22) comprises at least two outlet sections (44, 46) which lie one behind the other when seen in the direction of rotation and which are separate from each other, and at least one front outlet section (44), when seen in the direction of rotation, can be hydraulically connected or disconnected.

IPC 8 full level

**F04C 14/10** (2006.01)

CPC (source: EP)

**F04C 2/14** (2013.01); **F04C 2250/102** (2013.01); **F04C 2270/205** (2013.01)

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 102010062668 A1 20120614**; CN 103261693 A 20130821; CN 103261693 B 20160615; EP 2649320 A1 20131016; EP 2649320 B1 20150520; WO 2012076241 A1 20120614

DOCDB simple family (application)

**DE 102010062668 A 20101208**; CN 201180058563 A 20111025; EP 11773297 A 20111025; EP 2011068651 W 20111025