

Title (en)

PUMP, IN PARTICULAR A HIGH-PRESSURE FUEL PUMP

Title (de)

PUMPE, INSBESONDERE EINE KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)

POMPE, EN PARTICULIER UNE POMPE DE CARBURANT À HAUTE PRESSION

Publication

**EP 3039282 B1 20190227 (DE)**

Application

**EP 14742485 A 20140717**

Priority

- DE 102013217357 A 20130830
- EP 2014065390 W 20140717

Abstract (en)

[origin: WO2015028196A1] The invention relates to a pump, in particular a high-pressure fuel pump, having a housing part (10) in which a pump piston (14) is disposed movably in a cylindrical bore (12), which pump piston (14) delimits a pump working chamber (16) in the cylindrical bore (12). An inlet valve (26), by which the pump working chamber (16) can be connected to an intake (27), is disposed in the housing part (10). A metering device (80), by which the amount of conveying medium delivered to the pump working chamber (16) is variably adjustable, is provided in the intake (27). The intake (27) extends at least partially in a low-pressure module (70; 170) connected to the pump, and the metering device (80) is disposed on the low-pressure module (70). The housing part (10) has a hollow cylindrical projection (50) which adjoins the cylindrical bore (12) and in which the inlet valve (26) is disposed. The low-pressure module (70) is fitted onto the hollow cylindrical projection (50) of the housing part (10) and the intake extends from the metering device (80) to the inlet valve (26) through the hollow cylindrical projection (50).

IPC 8 full level

**F02M 59/44** (2006.01); **F02M 59/46** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP)

**F02M 59/44** (2013.01); **F02M 59/466** (2013.01); **F02M 59/485** (2013.01)

Citation (examination)

DE 102009000835 A1 20100819 - BOSCH GMBH ROBERT [DE]

Cited by

US11713755B2

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)

**WO 2015028196 A1 20150305**; CN 105492756 A 20160413; CN 105492756 B 20190308; DE 102013217357 A1 20150305; EP 3039282 A1 20160706; EP 3039282 B1 20190227; JP 2016532815 A 20161020; JP 6175567 B2 20170802

DOCDB simple family (application)

**EP 2014065390 W 20140717**; CN 201480047912 A 20140717; DE 102013217357 A 20130830; EP 14742485 A 20140717; JP 2016537177 A 20140717