

Title (en)

FUEL PUMP WITH AN OVERFLOW AND A BYPASS VALVES

Title (de)

BRENNSTOFFPUMPE MIT EINEM ÜBERSTROMVENTIL UND EINEM BYPASSVENTIL

Title (fr)

POMPE DE CARBURANT AVEC UNE SOUPAPE DE DÉCHARGE ET UNE SOUPAPE DE DÉRIVATION

Publication

**EP 2443344 A2 20120425 (DE)**

Application

**EP 10714625 A 20100416**

Priority

- EP 2010055020 W 20100416
- DE 102009026964 A 20090616

Abstract (en)

[origin: WO2010145862A2] The invention relates to a fuel pump (1), which in particular serves as a pump arrangement for fuel injection systems of air-compressing, self-igniting internal combustion engines, comprising at least one housing part (3), a first toothed wheel (15) and a second toothed wheel (16). The toothed wheels (15, 16) are arranged in the housing part (3). Furthermore, the toothed wheels (15, 16) intermesh in order to form a gear pump (17). The invention further relates to an inlet or return (35, 36) for the gear pump (17), which is provided in the housing part (3).

IPC 8 full level

**F04C 2/14** (2006.01); **F02M 37/04** (2006.01); **F04C 2/08** (2006.01); **F04C 14/26** (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP)

**F02M 37/04** (2013.01); **F04C 2/086** (2013.01); **F04C 2/14** (2013.01); **F04C 14/26** (2013.01); **F04C 15/06** (2013.01); **F04C 2210/1044** (2013.01); **F05C 2201/903** (2013.01)

Citation (search report)

See references of WO 2010145862A2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

**DE 102009026964 A1 20101223**; CN 102498297 A 20120613; EP 2443344 A2 20120425; WO 2010145862 A2 20101223; WO 2010145862 A3 20111027

DOCDB simple family (application)

**DE 102009026964 A 20090616**; CN 201080026547 A 20100416; EP 10714625 A 20100416; EP 2010055020 W 20100416