

Title (en)
FUEL SYSTEM FOR COMBUSTION ENGINE

Title (de)
BRENNSTOFFVERSORGUNGSSYSTEM FÜR BRENNKRAFTMASCHINE

Title (fr)
SYSTÈME DE CARBURATION POUR MOTEUR À COMBUSTION

Publication
EP 2992203 A4 20170111 (EN)

Application
EP 14791373 A 20140425

Priority
• SE 1350521 A 20130429
• SE 2014050501 W 20140425

Abstract (en)
[origin: WO2014178776A1] The invention concerns a fuel system (4) that comprises a first fuel tank (20) and a second fuel tank (22). The fuel is conducted from the first fuel tank (20) to a high-pressure system (19). A main feed pump (26) feeds fuel from the first fuel tank (20) via a second line (40) and a transfer pump (28) feeds fuel from the second fuel tank (22) to the first fuel tank (20) via the first fuel line (36). A first electric motor (M1) drives the main feed pump (26), and is arranged in the first fuel tank (20). The first fuel tank (20) holds a smaller volume than the second fuel tank (22). A fuel return line (13) is arranged so as to return pressurized fuel from the high-pressure system (19) to the first fuel tank (20). The fuel system (4) further comprises an arrangement for controlling the fuel temperature in the first fuel tank (20) by controlling the flow of fuel to the first fuel tank (20). The invention also concerns a combustion engine (20) and a vehicle (1) that contains the system, and a method for controlling a fuel system (4).

IPC 8 full level
F02M 37/00 (2006.01); **F02M 31/16** (2006.01); **F02M 31/18** (2006.01); **F02M 37/10** (2006.01); **F02M 37/32** (2019.01); **F02M 37/24** (2019.01)

CPC (source: EP SE US)
F02M 31/16 (2013.01 - SE); **F02M 31/20** (2013.01 - SE); **F02M 37/0052** (2013.01 - EP); **F02M 37/0088** (2013.01 - EP SE); **F02M 37/106** (2013.01 - EP US); **F02M 37/32** (2019.01 - EP US); **F02M 31/14** (2013.01 - EP US); **F02M 31/205** (2013.01 - EP); **F02M 37/0035** (2013.01 - EP); **F02M 37/18** (2013.01 - EP); **F02M 37/24** (2019.01 - EP US)

Citation (search report)
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• [E] WO 2014148985 A1 20140925 - SCANIA CV AB [SE]
• [E] WO 2014148984 A1 20140925 - SCANIA CV AB [SE]
• [E] WO 2014148983 A1 20140925 - SCANIA CV AB [SE]
• See also references of WO 2014178776A1

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 2014178776 A1 20141106; BR 112015025090 A2 20170718; BR 112015025090 B1 20211123; EP 2992203 A1 20160309; EP 2992203 A4 20170111; EP 2992203 B1 20180321; SE 1350521 A1 20141030; SE 537848 C2 20151103

DOCDB simple family (application)
SE 2014050501 W 20140425; BR 112015025090 A 20140425; EP 14791373 A 20140425; SE 1350521 A 20130429