

Title (en)

PUMPING ASSEMBLY TO FEED FUEL, PREFERABLY DIESEL FUEL, TO AN INTERNAL COMBUSTION ENGINE

Title (de)

PUMPENANORDNUNG ZUR ZUFÜHRUNG VON KRAFTSTOFF, VORZUGSWEISE DIESEL, AN EINEN VERBRENNUNGSMOTOR

Title (fr)

ENSEMBLE DE POMPAGE POUR DISTRIBUER DU CARBURANT, DE PRÉFÉRENCE DU CARBURANT DIESEL, À UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3394417 A1 20181031 (EN)

Application

EP 16815567 A 20161212

Priority

- IT UB20159726 A 20151222
- EP 2016080587 W 20161212

Abstract (en)

[origin: WO2017108470A1] A pumping assembly to feed fuel, preferably diesel fuel, to an internal combustion engine is provided with an electric gear pump (7) having a pump body (24), a closing lid (27) to close the pump body (24), a stator (29), an annular rotor (33) mounted on the inside of the stator (29) and coupled to the pump body (24) in a rotary manner through the interposition of a support bearing (42), a first sealing device (49) to couple together the support bearing (42) and the lid (27) in a fluid-tight manner, and a second sealing device (48) to couple together the support bearing (42) and the pump body (24) in a fluid-tight manner.

IPC 8 full level

F02M 37/04 (2006.01); **F02M 37/08** (2006.01); **F02M 59/06** (2006.01); **F02M 59/10** (2006.01); **F02M 63/02** (2006.01); **F04C 2/10** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

F01C 21/10 (2013.01); **F02M 37/041** (2013.01); **F02M 37/08** (2013.01); **F04C 2/086** (2013.01); **F04C 2/102** (2013.01); **F04C 15/0026** (2013.01); **F04C 15/0034** (2013.01); **F02M 59/06** (2013.01); **F02M 59/102** (2013.01); **F02M 63/0265** (2013.01); **F02M 2200/16** (2013.01); **F04C 11/005** (2013.01); **F04C 2210/1044** (2013.01)

Citation (search report)

See references of WO 2017108470A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017108470 A1 20170629; CN 108603469 A 20180928; CN 108603469 B 20210126; EP 3394417 A1 20181031; IT UB20159726 A1 20170622

DOCDB simple family (application)

EP 2016080587 W 20161212; CN 201680080146 A 20161212; EP 16815567 A 20161212; IT UB20159726 A 20151222