

Title (en)
PUMP UNIT FOR SUPPLYING FUEL, PREFERABLY DIESEL OIL, FROM A CONTAINING TANK TO AN INTERNAL COMBUSTION ENGINE

Title (de)
PUMPEINHEIT ZUR ZUFUHR EINES KRAFTSTOFFS, VORZUGSWEISE DIESELÖL, AUS EINEM SPEICHERTANK IN EINEN VERBRENNUNGSMOTOR

Title (fr)
UNITÉ DE POMPE POUR AMENER UN CARBURANT, DE PRÉFÉRENCE UN CARBURANT DIESEL, D'UN RÉSERVOIR À UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2694797 B1 20180103 (EN)

Application
EP 12706863 A 20120306

Priority
• IT MI20110582 A 20110408
• EP 2012053774 W 20120306

Abstract (en)
[origin: WO2012136429A1] A pump unit for supplying a fuel, preferably diesel oil, to an internal combustion engine (3) is provided with a pre-feed pump (7) adapted to draw the fuel from a containing tank (2), and with a fluid circuit (14) having a first branch (15) for interconnecting the pre-feed pump (7) and a high-pressure pump (6), a second branch (17) for interconnecting the high-pressure pump (6) and the internal combustion engine (3), and a third branch (21), which interconnects the first branch (15) and the containing tank (2), and is formed at least partially by an overflow valve (26) and by a connector (37) mounted coaxially with each other in a mounting aperture (27) formed through a pump housing (8) of the high-pressure pump (6).

IPC 8 full level
F02M 37/00 (2006.01); **F02M 55/00** (2006.01); **F02M 63/02** (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP KR)
F02M 37/00 (2013.01 - KR); **F02M 37/0029** (2013.01 - EP); **F02M 59/366** (2013.01 - EP); **F02M 63/02** (2013.01 - KR); **F02M 63/0225** (2013.01 - EP); **F02M 69/54** (2013.01 - KR); **F02M 59/102** (2013.01 - EP)

Citation (examination)
WO 2011012402 A1 20110203 - BOSCH GMBH ROBERT [DE], et al

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 2012136429 A1 20121011; CN 103477065 A 20131225; CN 103477065 B 20161116; EP 2694797 A1 20140212; EP 2694797 B1 20180103; IT MI20110582 A1 20121009; KR 101900981 B1 20180920; KR 20140010974 A 20140127

DOCDB simple family (application)
EP 2012053774 W 20120306; CN 201280015697 A 20120306; EP 12706863 A 20120306; IT MI20110582 A 20110408; KR 20137026396 A 20120306