

Title (en)  
PUMP UNIT FOR FEEDING FUEL, PREFERABLY DIESEL FUEL, FROM A STORAGE TANK TO AN INTERNAL COMBUSTION ENGINE

Title (de)  
PUMPE ZUM FÖRDERN VON KRAFTSTOFF, VORZUGSWEISE FÜR DIESEL, AUS EINEM VORRATSTANK HIN ZU EINER VERBRENNUNGSKRAFTMASCHINE

Title (fr)  
POMPE POUR POMPER UN COMBUSTIBLE, PRÉFÉRABLEMENT DIESEL, À PARTIR D'UN RÉSERVOIR JUSQU'À UN MOTEUR À COMBUSTION INTERNE

Publication  
**EP 2652328 B1 20140917 (EN)**

Application  
**EP 11797236 A 20111214**

Priority  
• IT MI20102310 A 20101216  
• EP 2011072757 W 20111214

Abstract (en)  
[origin: WO2012080334A1] A pump unit for feeding fuel, preferably diesel fuel, to an internal combustion engine (3) is provided with a hydraulic circuit (14) having a first line (15) for connecting together a fuel storage tank (2) and a pre-feed pump (7), a second line (16) for connecting together the pre-feed pump (7) and a high-pressure pump (6), a third line (18) for connecting together the high-pressure pump (6) and the internal combustion engine (3), a fourth line (24) for connecting together the second line (16) and the storage tank (2) and a fifth line (35) for connecting together the second and fourth lines (16, 24); a Venturi pipe (31) being screwed into the fourth line (24) and communicating hydraulically with the fifth line (35).

IPC 8 full level  
**F04B 1/04** (2006.01); **F02M 37/02** (2006.01); **F02M 37/18** (2006.01); **F02M 37/20** (2006.01); **F02M 55/00** (2006.01); **F02M 59/02** (2006.01); **F02M 59/44** (2006.01); **F02M 63/02** (2006.01); **F04B 49/22** (2006.01)

CPC (source: EP KR)  
**F02M 37/0029** (2013.01 - EP); **F02M 37/0052** (2013.01 - EP); **F02M 37/02** (2013.01 - KR); **F02M 37/025** (2013.01 - EP); **F02M 37/18** (2013.01 - KR); **F02M 37/20** (2013.01 - KR); **F02M 55/00** (2013.01 - KR); **F02M 59/02** (2013.01 - KR); **F02M 59/366** (2013.01 - EP); **F02M 59/44** (2013.01 - KR); **F02M 59/447** (2013.01 - EP); **F02M 63/02** (2013.01 - KR); **F04B 1/04** (2013.01 - KR); **F04B 1/0404** (2013.01 - EP); **F04B 49/22** (2013.01 - KR); **F04B 49/225** (2013.01 - EP); **F02M 59/06** (2013.01 - EP); **F02M 59/08** (2013.01 - EP)

Cited by  
IT201700042497A1

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 2012080334 A1 20120621**; CN 103261683 A 20130821; CN 103261683 B 20160810; EP 2652328 A1 20131023; EP 2652328 B1 20140917; IT 1403264 B1 20131017; IT MI20102310 A1 20120617; JP 2014503737 A 20140213; KR 20130141594 A 20131226; RU 2013132614 A 20150127

DOCDB simple family (application)  
**EP 2011072757 W 20111214**; CN 201180059790 A 20111214; EP 11797236 A 20111214; IT MI20102310 A 20101216; JP 2013543757 A 20111214; KR 20137015312 A 20111214; RU 2013132614 A 20111214