

Title (en)  
PUMP UNIT FOR FEEDING FUEL, PREFERABLY DIESEL FUEL, TO AN INTERNAL COMBUSTION ENGINE AND ASSOCIATED ASSEMBLY METHOD

Title (de)  
PUMPENEINHEIT ZUR ZUFUHR VON KRAFTSTOFF, VORZUGSWEISE DIESELKRAFTSTOFF, AN EINEN VERBRENNUNGSMOTOR UND ZUGEHÖRIGES MONTAGEVERFAHREN

Title (fr)  
UNITÉ DE POMPE DESTINÉE À L'ALIMENTATION EN CARBURANT, DE PRÉFÉRENCE DU CARBURANT DIESEL, À UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ D'ASSEMBLAGE ASSOCIÉ

Publication  
**EP 2612017 A1 20130710 (EN)**

Application  
**EP 11746265 A 20110824**

Priority  
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• EP 2011064537 W 20110824

Abstract (en)  
[origin: WO2012028507A1] In order to draw fuel inside a cylinder (5) of a pump unit, a piston (7) is displaced along the cylinder (5) by a spring (10) arranged between a pump body (2) and a support plate (11), which is mounted on the piston (7), and has a seat (14) for inserting the piston (7) through the support plate (11), a seat (15) for engaging the piston (7) in the support plate (11), and a communicating section (16) for allowing the piston (7) to pass between the insertion seat (14) and the engaging seat (15); the communicating section (16) being bounded laterally by two elastically deformable arms (17) each having a respective free end (18).

IPC 8 full level  
**F02M 59/10** (2006.01); **F02M 59/48** (2006.01); **F04B 1/04** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP KR)  
**F02M 59/10** (2013.01 - EP KR); **F02M 59/48** (2013.01 - EP KR); **F04B 1/04** (2013.01 - KR); **F04B 1/0408** (2013.01 - EP); **F04B 1/0426** (2013.01 - EP); **F04B 53/14** (2013.01 - KR)

Citation (search report)  
See references of WO 2012028507A1

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