

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

Title (de)
PUMPEINHEIT ZUR ZUFÜHRUNG VON KRAFTSTOFF, VORZUGSWEISE DIESELKRAFTSTOFF, VON EINEM SPEICHERTANK ZU EINEM VERBRENNUNGSMOTOR

Title (fr)
UNITÉ DE POMPAGE POUR DISTRIBUER DU CARBURANT, DE PRÉFÉRENCE CARBURANT DIESEL, À PARTIR D'UN RÉSERVOIR DE STOCKAGE POUR UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2975264 A1 20160120 (EN)

Application
EP 15173357 A 20150623

Priority
IT MI20141302 A 20140716

Abstract (en)
A pumping unit for feeding fuel, preferably diesel fuel, to an internal combustion engine (3) is provided with a hydraulic circuit (14) having a first branch (15) for connecting together a storage tank (2) and a pre-feed pump (7), a second branch (16) for connecting together the pre-feed pump (7) and a high-pressure pump (6), a third branch (18) for connecting together the high-pressure pump (6) and the internal combustion engine (3), and a fourth branch (22) which connects together the second branch (16) and the storage tank (2) and is associated with an overflow valve (27) which has a valve body (28) defined by two sleeves (30) coaxial with each other.

IPC 8 full level
F04B 1/04 (2006.01); **F02M 37/00** (2006.01); **F02M 37/04** (2006.01); **F02M 37/20** (2006.01); **F02M 55/00** (2006.01); **F02M 63/02** (2006.01); **F04B 49/22** (2006.01); **F16K 15/02** (2006.01)

CPC (source: EP)
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Citation (search report)
• [XAI] WO 2012136429 A1 20121011 - BOSCH GMBH ROBERT [DE], et al
• [XA] GB 2507747 A 20140514 - PERKINS ENGINES CO LTD [GB]
• [A] WO 2011012402 A1 20110203 - BOSCH GMBH ROBERT [DE], et al
• [A] EP 0964153 A2 19991215 - WAERTSILAE NSD OY AB [FI]

Cited by
ITUB20161058A1; WO2017144190A1

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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

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