

Title (en)

FUEL INJECTION SYSTEM FOR A PISTON ENGINE

Title (de)

KRAFTSTOFFEINSPRITZSYSTEM FÜR EINEN KOLBENMOTOR

Title (fr)

SYSTÈME D'INJECTION DE CARBURANT POUR UN MOTEUR À PISTONS

Publication

**EP 2297448 B1 20120125 (EN)**

Application

**EP 09757669 A 20090527**

Priority

- FI 2009050448 W 20090527
- FI 20085557 A 20080605

Abstract (en)

[origin: WO2009147291A2] The invention relates to a common rail fuel injectionsystem(1) for a piston engine with several cylinders (12). The fuel injection system (1) comprises at least one pressure accumulator (7, 8, 18) for pressurized fuel, injectors (6) for injecting pressurized fuel into the cylinders (12) and a leakage channel arrangement (24) for removing fuel leaking from the injectors (6). The leakage channel arrangement (24) is provided with a leak detector (28) for detecting a fuel leak.

IPC 8 full level

**F02M 63/02** (2006.01); **F02M 55/00** (2006.01)

CPC (source: EP FI)

**F02M 55/002** (2013.01 - EP FI); **F02M 63/0225** (2013.01 - EP); **F02M 63/0275** (2013.01 - EP); **F02M 63/029** (2013.01 - EP); **F02M 2200/40** (2013.01 - EP)

Cited by

EP3128167A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**WO 2009147291 A2 20091210; WO 2009147291 A3 20100128**; AT E542998 T1 20120215; CN 102057154 A 20110511; CN 102057154 B 20120725; EP 2297448 A2 20110323; EP 2297448 B1 20120125; FI 120886 B 20100415; FI 20085557 A0 20080605; FI 20085557 A 20091206; KR 101522060 B1 20150520; KR 20110010722 A 20110207; RU 2010154641 A 20120720; RU 2491443 C2 20130827

DOCDB simple family (application)

**FI 2009050448 W 20090527**; AT 09757669 T 20090527; CN 200980120866 A 20090527; EP 09757669 A 20090527; FI 20085557 A 20080605; KR 20107025048 A 20090527; RU 2010154641 A 20090527