

Title (en)

HIGH-PRESSURE PISTON FUEL PUMP

Title (de)

KRAFTSTOFFHOCHDRUCK-KOLBENPUMPE

Title (fr)

POMPE À PISTON HAUTE PRESSION POUR CARBURANT

Publication

**EP 2867520 A1 20150506 (DE)**

Application

**EP 13730210 A 20130617**

Priority

- DE 102012211106 A 20120628
- EP 2013062514 W 20130617

Abstract (en)

[origin: WO2014001122A1] A high-pressure piston fuel pump comprises an inlet valve (20) which comprises a plate-shaped movable valve member (36) and at least one stationary valve seat (60) cooperating therewith. According to the invention, the valve seat (60) extends along a valve seat line extending at least in regions in an undulating, meandering, jagged or clover-leaf fashion, or extends along a first radially inner valve seat line and a second radially outer valve seat line.

IPC 8 full level

**F02M 59/36** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP KR)

**F02M 45/02** (2013.01 - KR); **F02M 59/366** (2013.01 - EP KR); **F02M 59/464** (2013.01 - EP KR); **F02M 63/0077** (2013.01 - KR); **F02M 63/0078** (2013.01 - KR); **F02M 63/0077** (2013.01 - EP); **F02M 63/0078** (2013.01 - EP)

Citation (search report)

See references of WO 2014001122A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102012211106 A1 20140102**; EP 2867520 A1 20150506; EP 2867520 B1 20190403; KR 20150027127 A 20150311; WO 2014001122 A1 20140103

DOCDB simple family (application)

**DE 102012211106 A 20120628**; EP 13730210 A 20130617; EP 2013062514 W 20130617; KR 20147036474 A 20130617