

Title (en)
High-pressure pump

Title (de)
Hochdruckpumpe

Title (fr)
Pompe à haute pression

Publication
EP 1314882 B1 20080423 (DE)

Application
EP 02020978 A 20020920

Priority
DE 10157375 A 20011122

Abstract (en)
[origin: EP1314882A1] The cavity in the piston plate and the section of the piston (3) inside this cavity have a larger cross-section than an adjoining section of the piston in the direction away from the piston plate. <??>The pump (1) is used to supply fuel to injection systems for internal combustion machinery, especially common rail injection systems, and comprises a drive shaft (2) and at least two pistons which are movable by the shaft in order to compress the fuel. A piston plate between the shaft and pistons contains a cavity in which a section of the piston is located.

IPC 8 full level
F02M 59/06 (2006.01); **F02M 59/10** (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP)
F02M 59/06 (2013.01); **F02M 59/102** (2013.01); **F04B 1/0408** (2013.01); **F04B 1/0426** (2013.01)

Citation (examination)
WO 03042534 A2 20030522 - BOSCH GMBH ROBERT [DE], et al

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1314882 A1 20030528; **EP 1314882 B1 20080423**; DE 10157375 A1 20030605; DE 50212139 D1 20080605

DOCDB simple family (application)
EP 02020978 A 20020920; DE 10157375 A 20011122; DE 50212139 T 20020920