

Title (en)
Fluid Pump

Title (de)
Flüssigkeitspumpe

Title (fr)
Pompe à fluides

Publication
EP 2113653 A1 20091104 (EN)

Application
EP 08155497 A 20080430

Priority
EP 08155497 A 20080430

Abstract (en)
A fluid pump (10) for use in delivering fuel to a common rail of an internal combustion engine comprises a drive shaft housing (26), a drive shaft (14) for driving at least one pumping plunger (16) and a bearing (30) for supporting the drive shaft (14) within the drive shaft housing (26). The pump provides a means (56, 48) for supplying fluid to the bearing (30) and means (40) for maintaining a fluid pressure difference across the bearing (30) which, in so doing, increases the effect of convection cooling on the bearing (30), in use.

IPC 8 full level
F02M 59/06 (2006.01); **F02M 59/10** (2006.01); **F04B 53/00** (2006.01); **F04B 53/08** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP)
F02M 59/06 (2013.01); **F02M 59/102** (2013.01); **F04B 1/0404** (2013.01); **F04B 1/0413** (2013.01); **F04B 53/08** (2013.01); **F02M 63/0225** (2013.01)

Citation (applicant)
EP 1629191 A1 20060301 - DELPHI TECH INC [US]

Citation (search report)
• [X] DE 102006013165 A1 20070927 - BOSCH GMBH ROBERT [DE]
• [XA] WO 9216738 A1 19921001 - BOSCH GMBH ROBERT [DE]
• [XA] DE 102006045899 A1 20080403 - SIEMENS AG [DE]
• [X] US 6077050 A 20000620 - BECK JOSEF [DE]

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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