

Title (en)

Fuel pump with electronically commuted motor

Title (de)

Kraftstoffpumpe mit elektrisch kommutiertem Motor

Title (fr)

Pompe à carburant dotée d'un moteur commuté électriquement

Publication

EP 2003322 B1 20111214 (DE)

Application

EP 08156792 A 20080523

Priority

DE 102007028398 A 20070615

Abstract (en)

[origin: EP2003322A2] The device has a pump housing (10), where a pump head (12) is connected with the pump housing, and a fuel pump (16) is arranged in the pump housing. The fuel pump has an electronically commutating brushless motor. Control electronics (18) for the electronically commutating brushless motor is arranged in and/or at the pump head. A fuel filter is arranged in the pump housing, and the pump head exhibits a material with high heat conductivity.

IPC 8 full level

F02M 37/08 (2006.01); **F02M 37/14** (2006.01); **F02M 37/44** (2019.01)

CPC (source: EP KR US)

F02M 37/08 (2013.01 - EP KR US); **F02M 37/14** (2013.01 - EP KR US); **F02M 37/44** (2018.12 - EP KR US)

Citation (examination)

- DE 102008018243 A1 20081030 - AISAN IND [JP]
- WO 2006080272 A1 20060803 - AISAN IND [JP], et al
- US 2009183715 A1 20090723 - YAMAMOTO SHUJI [JP], et al

Cited by

EP2336541A1

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

DOCDB simple family (publication)

EP 2003322 A2 20081217; **EP 2003322 A3 20090415**; **EP 2003322 B1 20111214**; AT E537351 T1 20111215; BR PI0803015 A2 20090422; CN 101324212 A 20081217; DE 102007028398 A1 20081224; ES 2376498 T3 20120314; JP 2008309156 A 20081225; KR 20080110548 A 20081218; US 2008310976 A1 20081218; US 8157542 B2 20120417

DOCDB simple family (application)

EP 08156792 A 20080523; AT 08156792 T 20080523; BR PI0803015 A 20080616; CN 200810126911 A 20080613; DE 102007028398 A 20070615; ES 08156792 T 20080523; JP 2008155134 A 20080613; KR 20080056332 A 20080616; US 13900208 A 20080613