

Title (en)
Gear pump

Title (de)
Zahnradförderpumpe

Title (fr)
Pompe à engrenages

Publication
EP 1209359 A3 20030723 (DE)

Application
EP 01124838 A 20011018

Priority
DE 10058012 A 20001123

Abstract (en)
[origin: EP1209359A2] Gear pump comprises a pair of rotating gear wheels (16, 18) arranged in a pump chamber of a housing (10, 12) which convey fuel from an intake chamber along conveying channels formed between the peripheries of the gear wheels and peripheral walls of the pump chamber into a pressure chamber. One of the gear wheels (16) has a bore (32) and is fixed to the drive shaft (22) rotatably positioned in the housing. At least one radially elastic connecting element (40) is arranged on the drive shaft and presses into the bore of the gear wheel. Preferred Features: The connecting element is a corrugated sleeve preferably made of metal. The gear wheel (16) is made of sintered metal, especially sintered steel.

IPC 1-7
F04C 2/14; **F04C 15/00**

IPC 8 full level
F04C 2/18 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)
F04C 15/0073 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1209359 A2 20020529; **EP 1209359 A3 20030723**; CN 1355380 A 20020626; DE 10058012 A1 20020529; JP 2002195169 A 20020710; US 2002085940 A1 20020704; US 6565341 B2 20030520

DOCDB simple family (application)
EP 01124838 A 20011018; CN 01140019 A 20011120; DE 10058012 A 20001123; JP 2001354834 A 20011120; US 99051601 A 20011121