

Title (en)
FUEL PUMP

Title (de)
KRAFTSTOFFPUMPE

Title (fr)
POMPE A CARBURANT

Publication
EP 1466099 A1 20041013 (DE)

Application
EP 02795028 A 20021220

Priority
• DE 0204702 W 20021220
• DE 10201405 A 20020115

Abstract (en)
[origin: WO03060328A1] The invention relates to a pump comprising a pump housing (7), inside of which a pump chamber (5) is provided, into which an inlet (8) leads, and away from which an outlet (24) leads. An impeller (3) is mounted inside the pump chamber (5) and is joined to a drive shaft (2), which can be rotationally driven and which is rotatably mounted in bearings inside the pump housing (7). Surfaces of the pump chamber (5), which rest against surfaces of the impeller (3), and surfaces of the impeller (3), which rest against the surfaces of the pump chamber (5), have a smaller thickness and a greater hardness due to a coating that is applied by physical deposition from the gaseous phase.

IPC 1-7
F04D 7/02; **F04D 29/00**

IPC 8 full level
F04D 5/00 (2006.01); **F04D 29/02** (2006.01)

CPC (source: EP US)
F04D 5/002 (2013.01 - EP US); **F04D 29/026** (2013.01 - EP US); **F05D 2300/228** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US)

Citation (search report)
See references of WO 03060328A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03060328 A1 20030724; BR 0215501 A 20041214; BR 0215501 B1 20110309; CN 1589373 A 20050302; DE 10201405 A1 20030724; DE 50209806 D1 20070503; EP 1466099 A1 20041013; EP 1466099 B1 20070321; ES 2280609 T3 20070916; US 2003175110 A1 20030918

DOCDB simple family (application)
DE 0204702 W 20021220; BR 0215501 A 20021220; CN 02822833 A 20021220; DE 10201405 A 20020115; DE 50209806 T 20021220; EP 02795028 A 20021220; ES 02795028 T 20021220; US 34159303 A 20030114