

Title (en)
Gear pump

Title (de)
Zahnradpumpe

Title (fr)
Pompe à engrenages

Publication
EP 1790854 A1 20070530 (DE)

Application
EP 05025919 A 20051128

Priority
EP 05025919 A 20051128

Abstract (en)
The pump has gears (1) that are interlocked with each other and are surrounded by a housing. A set of bearing pins (6) is arranged at a distance from the gears, where one of the pins comprises a diameter over a part of its axial extension. The diameter lies in a region of 90 to 100 percent of root diameter of toothings of associated gears. The gears and the bearing pins are manufactured from a workpiece.

IPC 8 full level
F04C 2/18 (2006.01)

CPC (source: EP)
F04C 2/18 (2013.01); **F04C 13/002** (2013.01); **F04C 2240/50** (2013.01); **F04C 2240/60** (2013.01)

Citation (search report)
• [XY] US 2759426 A 19560821 - BLOMGREN OSCAR C, et al
• [Y] US 1880108 A 19320927 - ROSS AUBREY A
• [Y] EP 1508697 A1 20050223 - MAAG PUMP SYSTEMS AG [CH]
• [A] EP 1508698 A1 20050223 - MAAG PUMP SYSTEMS AG [CH]
• [A] DE 1953887 U 19670119 - PREMATEX S A [CH]

Cited by
WO2015048984A1; CN105745448A; KR20160073974A; JP2016536502A; US9528515B2; EP4083428A1; WO2022228761A1

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

Designated extension state (EPC)
AL BA HR MK YU

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