

Title (en)
FLANGED GEAR PUMP

Title (de)
Flanschzahnradpumpe

Title (fr)
POMPE A ENGRENAGE FLASQUEE

Publication
EP 1438508 A1 20040721 (FR)

Application
EP 02787497 A 20021023

Priority
• EP 0211834 W 20021023
• FR 0113778 A 20011024

Abstract (en)
[origin: FR2831222A1] The gear pump, e.g. for oil or fuel, consisting of a housing (2) with a cover (3) containing driving (4) and driven (5) gears with meshing teeth, has each end of the driven gear fitted with a concentric disc (8). The discs, which are the same diameter as the driven gear, are located in circular cavities (10) in the pump housing and cover, and are held under pressure by the pumped fluid fed through a groove or line.

IPC 1-7
F04C 15/00; **F04C 2/18**

IPC 8 full level
F04C 2/08 (2006.01); **F04C 2/18** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)
F04C 2/084 (2013.01 - EP US); **F04C 2/14** (2013.01 - KR); **F04C 2/18** (2013.01 - EP US); **F04C 15/0026** (2013.01 - EP US);
F04C 15/0042 (2013.01 - EP US)

Citation (search report)
See references of WO 03036092A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
FR 2831222 A1 20030425; **FR 2831222 B1 20050826**; DE 60212165 D1 20060720; DE 60212165 T2 20070412; EP 1438508 A1 20040721; EP 1438508 B1 20060607; JP 2005506491 A 20050303; JP 4113125 B2 20080709; KR 100887438 B1 20090310; KR 20040048896 A 20040610; US 2004265147 A1 20041230; US 7144234 B2 20061205; WO 03036092 A1 20030501

DOCDB simple family (application)
FR 0113778 A 20011024; DE 60212165 T 20021023; EP 0211834 W 20021023; EP 02787497 A 20021023; JP 2003538573 A 20021023; KR 20047004154 A 20021023; US 49199004 A 20040407