

Title (en)
INTERNAL GEARED WHEEL PUMP

Title (de)
INNENZAHRADPUMPE

Title (fr)
POMPE A ENGRENAGES A DENTURE INTERIEURE

Publication
EP 1311762 B1 20060920 (DE)

Application
EP 01960144 A 20010803

Priority
• DE 0102965 W 20010803
• DE 10040692 A 20000819

Abstract (en)
[origin: DE10040692C1] The pump has a pump casing (1), which supports an internally toothed ring gear (5) and an outer toothed pinion (3) driven on a drive shaft (2). The pinion is eccentric to the annular gear and co-operates with it to form a pump action. The pinion and the ring gear each have one end face at the pump casing and the other end face at a sealing plate (13). The suction channel is arranged in the sealing plate, which moves with respect to the pump casing, so that the space between the suction and pressure channels can be altered.

IPC 8 full level
F04C 2/10 (2006.01); **F04C 14/00** (2006.01); **F04C 14/14** (2006.01); **F04C 14/24** (2006.01)

CPC (source: EP US)
F04C 14/14 (2013.01 - EP US); **F04C 2270/701** (2013.01 - EP US)

Cited by
CN106795878A; EP1209359A3; US10337512B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 10040692 C1 20010920; CZ 20021352 A3 20021016; CZ 299441 B6 20080730; DE 50111053 D1 20061102; EP 1311762 A1 20030521; EP 1311762 B1 20060920; JP 2004507640 A 20040311; US 2003026711 A1 20030206; US 6764283 B2 20040720; WO 0216772 A1 20020228

DOCDB simple family (application)
DE 10040692 A 20000819; CZ 20021352 A 20010803; DE 0102965 W 20010803; DE 50111053 T 20010803; EP 01960144 A 20010803; JP 2002521835 A 20010803; US 11090202 A 20020722