

Title (en)
A gear pump or motor.

Title (de)
Zahnradpumpe oder -motor.

Title (fr)
Pompe ou moteur à engrenages.

Publication
EP 0081902 A1 19830622 (EN)

Application
EP 82305754 A 19821028

Priority
JP 16331481 U 19811031

Abstract (en)
A gear pump or motor, comprising a pair of gears (20, 21), engaged with each other with their external teeth, the shafts (22, 24) of the gears being supported bearings provided on both sides in a housing, a seal block (31) being provided between the tooth tops of said gears and the inside wall surface of the housing, arranged to the tooth tops of the gears by a high pressure acting on the outside surface of the seal block, and side plates (36) being provided to cover both the sides of said gears at least on the high pressure side to closely contact, at their outside ends, the inside surface of said seal block and to contact, at their inside ends, the circumferential surfaces of protrusions (26a, 28a) of said bearings, whereby the inside diameter of the curved surfaces of the side plates in contact with the circumferential surfaces of the protrusions of said bearings is made larger than the outside diameter of the protrusions of the bearings.

IPC 1-7
F04C 2/08; **F04C 15/00**

IPC 8 full level
F04C 2/12 (2006.01); **F03C 2/08** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)
F04C 15/0019 (2013.01)

Citation (search report)

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CN1095025C; CN112709692A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0081902 A1 19830622; JP S5867994 U 19830509

DOCDB simple family (application)
EP 82305754 A 19821028; JP 16331481 U 19811031