

Title (en)

Internal gear pump

Title (de)

Innenzahnradmaschine

Title (fr)

Pompe à engrenages internes

Publication

**EP 1701038 B1 20120307 (DE)**

Application

**EP 05026417 A 20051203**

Priority

DE 102005004657 A 20050202

Abstract (en)

[origin: DE102005004657A1] The machine has a sealing disk arranged between side surfaces of gear wheels and a housing part and pressed on a pressure field at the surfaces. A gap between the part and disk runs out from the field. A seal (64) is supported on its side facing the gap by a support ring (71). The ring is arranged with a support bar (75) that supports the seal in a form-fit manner, inwardly intervenes with the seal and extends in an axial direction.

IPC 8 full level

**F04C 2/10** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

**F04C 2/101** (2013.01); **F04C 15/0026** (2013.01)

Cited by

CN103370539A; CN105980710A; CN106286287A; US2018087505A1; EP3295030A4; US11680567B1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**DE 102005004657 A1 20060803**; EP 1701038 A2 20060913; EP 1701038 A3 20100922; EP 1701038 B1 20120307

DOCDB simple family (application)

**DE 102005004657 A 20050202**; EP 05026417 A 20051203