

Title (en)

INTERNALLY GEARED PUMP WITHOUT FILLER ELEMENT

Title (de)

FÜLLSTÜCKLOSE INNENZAHNRADPUMPE

Title (fr)

POMPE A ENGRENAGES A DENTURE INTERIEURE SANS PIECE INTERCALAIRE

Publication

**EP 0789814 B1 19981223 (DE)**

Application

**EP 96932440 A 19960809**

Priority

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Abstract (en)

[origin: US5890885A] PCT No. PCT/DE96/01523 Sec. 371 Date Apr. 30, 1997 Sec. 102(e) Date Apr. 30, 1997 PCT Filed Aug. 9, 1996 PCT Pub. No. WO97/09533 PCT Pub. Date Mar. 13, 1997A filling member-less internal-gear pump in which the annular gear (4) is received in a running ring (3) forming an annular gap (31), and rotates therewith. The annular gap (31) is subdivided into peripheral portions which can be sealed off relative to each other and which are delimited from each other by sealing elements (44). The sealing elements are received in receiving spaces (45) in which they are displaceable in the peripheral direction and can seal off the receiving spaces relative to each other (FIG. 5).

IPC 1-7

**F04C 2/10**; **F04C 15/00**

IPC 8 full level

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**US 5890885 A 19990406**; AT E175005 T1 19990115; CN 1164887 A 19971112; DK 0789814 T3 19990823; EP 0789814 A1 19970820; EP 0789814 B1 19981223; JP H10508359 A 19980818; RU 2143589 C1 19991227; WO 9709533 A1 19970313

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**US 83626797 A 19970430**; AT 96932440 T 19960809; CN 96191012 A 19960809; DE 9601523 W 19960809; DK 96932440 T 19960809; EP 96932440 A 19960809; JP 51074797 A 19960809; RU 96116940 A 19960830