

Title (en)

Gear pump with a flushing system

Title (de)

Abspülbare Zahnradpumpe

Title (fr)

Pompe à engrenages avec dispositif pour nettoyage

Publication

**EP 1164293 A3 20030604 (DE)**

Application

**EP 01112848 A 20010531**

Priority

DE 10029276 A 20000614

Abstract (en)

[origin: EP1164293A2] The gear pump for dosed feed of paints has a flushing passage system to flush the gaps between the gearwheels, drive and bearing shafts and pump casing. The flushing passages(11-14) in the region of the drive shaft(6) are arranged in such a way that the flushing medium flows through the bearing gaps(9,10) over the whole bearing width of the respective bearing points from the outside inwards in the direction of the end faces of the gearwheel.

IPC 1-7

**F04C 2/18**; F04C 13/00; F04C 15/00

IPC 8 full level

**F04C 2/18** (2006.01); **F04C 13/00** (2006.01)

CPC (source: EP)

**F04C 2/18** (2013.01); **F04C 13/005** (2013.01)

Citation (search report)

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- [Y] GB 1055850 A 19670118 - BORG WARNER
- [A] US 4534717 A 19850813 - MCCABE BERNARD J [US], et al
- [A] EP 0696680 A1 19960214 - ABB PATENT GMBH [DE]
- [A] US 5253988 A 19931019 - HUNZIKER ALFRED K [CH], et al

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