

Title (en)

Gear pump with flow capacity changing sliding unit

Title (de)

Zahnradpumpe mit einer fördermengenverändernden Verschiebeeinheit

Title (fr)

Pompe à engrenages avec dispositif glissant pour changer le débit

Publication

EP 1130262 A3 20020522 (DE)

Application

EP 01102128 A 20010201

Priority

- DE 10043842 A 20000906
- DE 10010039 A 20000302

Abstract (en)

[origin: EP1130262A2] The pump has a displacement unit for varying the feed rate arranged between a first chamber (12) and a second chamber (14) with an additional coil spring acting on the displacement unit. The pressure chambers (12,14) interact hydraulically via a pressure line (16) containing a choke (15) and the second chamber (14) is limited to a maximum pressure.

IPC 1-7

F04C 15/04

IPC 8 full level

F04C 2/08 (2006.01); **F04C 2/18** (2006.01); **F04C 14/18** (2006.01)

CPC (source: EP)

F04C 2/088 (2013.01); **F04C 2/18** (2013.01); **F04C 14/185** (2013.01)

Citation (search report)

- [XY] DE 3347015 A1 19850704 - TEVES GMBH ALFRED [DE]
- [YA] DE 3528651 A1 19870219 - ROHS HANS GUENTHER PROF DR ING [DE]
- [Y] FR 1395842 A 19650416
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Cited by

EP1832750A1; CN107940219A; DE102013001750A1; AT500629A1; AT500629B1; US6896489B2; WO2009129666A1; WO03058071A1

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