

Title (en)

Method for stabilizing the temperature of gear pumps

Title (de)

Verfahren zur Temperaturstabilisierung in Zahnradpumpen

Title (fr)

Procédé pour stabiliser la température d'une pompe à engrenages

Publication

EP 0822336 A3 19980520 (DE)

Application

EP 97119483 A 19971107

Priority

EP 97119483 A 19971107

Abstract (en)

[origin: EP0822336A2] The system is for a gear pump lubricated by the medium delivered. A housing (G) contains two or more plain bearings (L) for lubricated spindles (W). A medium (M) is brought to a predetermined temperature in a control unit (TA). The medium is fed to one or more housing sections, and to the spindles and/or bearings, and the flow through them can take place in parallel. Alternatively, the spindles and bearings can be lubricated first, after which the medium flows through the housing section.

IPC 1-7

F04C 29/04

IPC 8 full level

F04C 15/00 (2006.01)

CPC (source: EP US)

F04C 15/0096 (2013.01 - EP US)

Citation (search report)

- [Y] DE 3730991 A1 19890406 - TROESTER MASCHF PAUL [DE]
- [A] US 4541792 A 19850917 - ZAKIC PAUL [US]
- [A] EP 0753665 A1 19970115 - MAAG PUMP SYSTEMS AG [CH]
- [A] EP 0715078 A2 19960605 - MAAG PUMP SYSTEMS AG [CH]
- [A] EP 0607999 A2 19940727 - MAAG PUMP SYSTEMS AG [CH]
- [A] GB 2047810 A 19801203 - NORDSON CORP
- [A] US 5292237 A 19940308 - ORIMO TAIJI [JP], et al
- [A] GB 675621 A 19520716 - AMERICAN VISCOSSE CORP
- [Y] PATENT ABSTRACTS OF JAPAN vol. 96, no. 5 31 May 1996 (1996-05-31)

Cited by

DE102006033028A1; EP1270946A3; EP1270946A2; EP1249608A1; WO0133080A1; WO2006087208A1

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