

Title (en)

Method for shaft positioning and gear pump

Title (de)

Verfahren zur Wellenpositionierung und eine Zahnradpumpe

Title (fr)

Procédé pour le positionnement d'arbre et pompe à engrenages

Publication

**EP 0833056 A3 19980715 (DE)**

Application

**EP 97122713 A 19971223**

Priority

EP 97122713 A 19971223

Abstract (en)

[origin: EP0833056A2] The pump housing (G) contains two or more bores accommodating intermeshing gears (Z1,Z2). The gears are positioned in the radial direction by their teeth crowns (ZK) which run against the inside surfaces of the bores in the housing. Axial positioning can be by one or more housing covers (D). Thrust bearings can be formed by portions of the housing and cover and/or a shaft seal, working against the gear end faces. The teeth crowns can be of increased width, and the bearing surfaces can be highly wear-resistant, typically with a coating of wear-resistant material.

IPC 1-7

**F04C 2/18**

IPC 8 full level

**F04C 2/08** (2006.01)

CPC (source: EP)

**F04C 2/084** (2013.01); **F04C 2/086** (2013.01)

Citation (search report)

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- [Y] EP 0064239 A1 19821110 - DEERE & CO [US]
- [X] US 2626570 A 19530127 - ARMINGTON RAYMOND Q, et al
- [X] FR 2163935 A5 19730727 - RHONE POULENC SA
- [A] DE 323573 C 19200731 - KRUPP AG, et al
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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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