

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 B1 20040929 (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)

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 0833056 A2 19980401; EP 0833056 A3 19980715; EP 0833056 B1 20040929; DE 59711969 D1 20041104

DOCDB simple family (application)

EP 97122713 A 19971223; DE 59711969 T 19971223