

Title (en)
GEAR MACHINE (PUMP OR MOTOR)

Publication
EP 0291722 B1 19910424 (DE)

Application
EP 88106482 A 19880422

Priority
DE 3716605 A 19870518

Abstract (en)
[origin: EP0291722A1] The gear machine according to Fig.1 has externally intermeshing gears (16, 17) in a housing (10), which are supported in bearing elements (19 to 22). These are brought into sealing contact with the gear side faces by pressure fields (27, 28) formed on their rear sides. On the outer circumference of the bearing elements, seals (41, 42) are fitted close to the gears so that as large an area as possible of the circumference of the bearing elements is relieved of pressure and is connected to the low pressure side, thereby considerably relieving the internal forces acting on the housing. <IMAGE>

IPC 1-7
F04C 2/14

IPC 8 full level
F04C 2/14 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)
F04C 15/0026 (2013.01)

Cited by
EP0512514A3; US10634136B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0291722 A1 19881123; EP 0291722 B1 19910424; DE 3716605 A1 19881208; DE 3862517 D1 19910529

DOCDB simple family (application)
EP 88106482 A 19880422; DE 3716605 A 19870518; DE 3862517 T 19880422