

Title (en)
GEAR MACHINE (PUMP OR MOTOR)

Publication
EP 0189560 B1 19890426 (DE)

Application
EP 85115455 A 19851205

Priority
DE 3500673 A 19850111

Abstract (en)
[origin: EP0189560A1] 1. Gear machine (pump or motor) having externally meshing gears, the shafts of which are mounted in bearing bushings (16 to 19) arranged in the housing of the gear machine on both sides of the gears, which are respectively mutually in contact by flat sides at a joint (23) and on the end faces of which facing the gears cavities are made which extend from the low-pressure side (21) and from the high-pressure side (22) towards an imaginary line (G) which joins the two bushings, characterized in that only one cavity (24 to 27) is present on each bearing bushing (16 to 19) of a pair of bushings, the cavities on the one pair of bushings being obliquely opposite relative to the line of action (E) and not touching the latter, and that the cavities on the other opposite pair of bushings are placed staggered relative to the first pair of bushings and at least touch the line of action and are likewise obliquely mutually opposite relative to the latter.

IPC 1-7
F04C 2/08

IPC 8 full level
F04C 2/08 (2006.01)

CPC (source: EP)
F04C 2/086 (2013.01)

Cited by
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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0189560 A1 19860806; EP 0189560 B1 19890426; DE 3500673 A1 19860717; DE 3569788 D1 19890601

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