

Title (en)
Internal gear hydraulic machine

Title (de)
Hydraulische Maschine in Zahnring-Bauweise

Title (fr)
Machine hydraulique à engrenages internes

Publication
EP 0822333 A3 19990310 (DE)

Application
EP 97112992 A 19970729

Priority
• DE 19630975 A 19960731
• DE 19631910 A 19960807

Abstract (en)
[origin: EP0822333A2] A rotor (5) is non-rotatably arranged on the shaft (3) in the housing (2) and has external teeth (6). Surrounding the rotor is a rotor ring (7) with inner teeth (8), working in conjunction with the outer teeth of the rotor. The rotor and the rotor ring are fitted between lateral guide surfaces of side guide parts (12,13). Between the teeth of the rotor and the rotor ring work chambers are formed, which in opposing zones form feed-in chambers (29) and feed-out chambers (31). The chambers in rotation operation correspond with control apertures (32a,32b), forming feed-in and discharge apertures connected by conduits with an inlet and an outlet.

IPC 1-7
F04C 2/10

IPC 8 full level
F04C 2/10 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)
F04C 2/103 (2013.01); **F04C 15/0042** (2013.01)

Citation (search report)
• [X] DE 1802021 A1 19700618 - TEVES GMBH ALFRED
• [X] DE 1936516 A1 19700122 - LUCAS INDUSTRIES LTD
• [DA] DE 4202466 A1 19930805 - VOULGARIS ANDRES [DE]
• [A] US 1486836 A 19240311 - EBENEZER HILL
• [A] DE 1528946 A1 19691023 - BOSCH GMBH ROBERT
• [A] DE 2412418 A1 19750925 - DORNIER SYSTEM GMBH
• [A] DE 1280056 B 19681010 - BOSCH GMBH ROBERT
• [A] DE 1293599 B 19690424 - BORG WARNER

Designated contracting state (EPC)
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