

Title (en)

Internal gear pump with radial supply conduits

Title (de)

Innenzahnradpumpe mit radialen Zuführungsröhren

Title (fr)

Pompe volumétrique rotative à gerotor à alimentation radiale

Publication

**EP 0736691 B1 19991103 (FR)**

Application

**EP 95200845 A 19950404**

Priority

EP 95200845 A 19950404

Abstract (en)

[origin: EP0736691A1] The gerotor pump has the main exterior diameter (D1) of the external gear (23) at one point on the height of the exterior gear is reduced to the value of the theoretical value of the depth of the tooth of the gear. The gear has at least one continuous ring connected to and supporting the teeth (29) to assure radial feeding of the fluid across the spaces (30) between the teeth of the gear. The external gear can have a ring with a second exterior diameter (D2) superior to that of the first.

IPC 1-7

**F04C 2/10**; **F04C 2/08**

IPC 8 full level

**F04C 2/08** (2006.01); **F04C 2/10** (2006.01)

CPC (source: EP US)

**F04C 2/084** (2013.01 - EP US); **F04C 2/102** (2013.01 - EP US)

Cited by

BE1027698A1; EP1396639A1; BE1027697A1; US11506199B2; WO0235097A1; EP1319837A1; BE1027701A1; EP1803938A1; US6893239B2; WO2015118271A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0736691 A1 19961009**; **EP 0736691 B1 19991103**; DE 69513142 D1 19991209; DE 69513142 T2 20000817; ES 2138137 T3 20000101; US 5685704 A 19971111

DOCDB simple family (application)

**EP 95200845 A 19950404**; DE 69513142 T 19950404; ES 95200845 T 19950404; US 62521996 A 19960401