

Title (en)
Variable output internal pump

Title (de)
Innenzahnradpumpe mit regelbarer Liefermenge

Title (fr)
Pompe à engrènement intérieur à refoulement variable

Publication
EP 0565340 B1 19951213 (EN)

Application
EP 93302689 A 19930406

Priority
• GB 9207674 A 19920408
• GB 9214885 A 19920714

Abstract (en)
[origin: EP0565340A1] A variable output pump is of the gerotor type with a multi-lobed rotor meshed internally of an annulus with one extra lobe, the rotor comprising two parts axially arranged end-to-end and one of which is arranged to be phase shifted by relative rotation. After a 180 degree shift (Figure 5) the chambers formed between the rotors and annulus will comprise one axial part between rotor 10 and annulus 16 which is at maximum volume whilst the adjacent and communicating part between rotor 12 and the annulus will be at minimum volume and hence the pump will be in zero output condition. When both rotor parts are phase synchronised the pump is in maximum output condition; it can be turned to any intermediate position. <IMAGE>

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F04C 15/04; **F04C 2/10**

IPC 8 full level
F04C 2/10 (2006.01); **F04C 14/10** (2006.01); **F04C 14/22** (2006.01); **F04C 14/24** (2006.01)

IPC 8 main group level
F04C (2006.01)

CPC (source: EP)
F04C 14/10 (2013.01)

Cited by
DE102007062103A1; EP0811787A1; EP1363025A3; GB2430237A; GB2436594A; GB2443089A; GB2443089B; WO2006134337A1

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