

Title (en)
OIL PUMPS

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EP 0174734 A3 19861230 (EN)

Application
EP 85305638 A 19850808

Priority
GB 8422755 A 19840908

Abstract (en)
[origin: EP0174734A2] A gear pump has a variable output which is relatively ripple free by using a single common gear rotor meshed with a pair of individual annuli each mounted in a corresponding eccentric so that they can be turned in opposite directions. This not only reduces the output from each rotor part, by reducing the eccentricity, but puts the parts out of phase with one another. According to the invention the rings are journalled by needle roller bearings which avoids them jamming due to the forces involved within the pump.

IPC 1-7
F04C 2/10

IPC 8 full level
F04C 14/24 (2006.01); **F04C 2/10** (2006.01); **F04C 2/14** (2006.01); **F04C 14/22** (2006.01); **F04C 18/10** (2006.01)

CPC (source: EP)
F04C 14/223 (2013.01); **F04C 2/102** (2013.01)

Citation (search report)

- EP 0076033 A1 19830406 - CONCENTRIC PUMPS LTD [GB]
- US 1964330 A 19340626
- GB 1426223 A 19760225 - CONCENTRIC PUMPS LTD

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GB2265946B; US5544540A; DE10045893A1; FR2654160A1; GB2204096A; GB2204096B; EP0252612A3; GB2192669A; US4778361A; GB2192669B

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EP 0174734 A2 19860319; EP 0174734 A3 19861230; ES 546766 A0 19860716; ES 8609606 A1 19860716; GB 8422755 D0 19841010; JP H0681955 B2 19941019; JP S6181589 A 19860425

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