

Title (en)  
RADIAL PISTON MACHINE WITH A VARIABLE DISPLACEMENT

Publication  
**EP 0106808 A3 19850109 (FR)**

Application  
**EP 83830132 A 19830628**

Priority  
IT 4872782 A 19820630

Abstract (en)  
[origin: EP0106808A2] The hydraulic motor has a rotary casing (58) concentric with a shaft (59) and has pistons (61) in radial cylinders (60). The pistons are driven by pressurised oil flowing through passages (64). A cam (62) is free to rotate eccentrically in a bore (66) of the shaft, via a sliding coupling and countershaft (65), integral with the cam. The countershaft has a concentric threaded extension (67) engaged in a threaded hole (68) in the bore spigot (69) of a cap (70) on a moving component (10). The outer surface of the cap has a long pitch thread engaged in an enlarged bore (72) of the shaft. The interior (76) of the cap is pressurised with oil and has a counter-piston (77) seating on a countershaft (78) with a servo-mechanism (80,84-86).

IPC 1-7  
**F04B 49/00**

IPC 8 full level  
**F04B 49/12** (2006.01)

CPC (source: EP US)  
**F04B 1/07** (2013.01 - EP US); **F04B 49/126** (2013.01 - EP US)

Citation (search report)  
• [Y] GB 538230 A 19410725 - CHARLES HYLAND  
• [Y] GB 577287 A 19460513 - GEORGE WALSTAN DRURY  
• [A] FR 1120102 A 19560702

Cited by  
EP0908626A1; EP0191535A1

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CH DE FR GB LI

DOCDB simple family (publication)  
**EP 0106808 A2 19840425; EP 0106808 A3 19850109; EP 0106808 B1 19891108**; DE 3380826 D1 19891214; IT 1189306 B 19880204;  
IT 8248727 A0 19820630

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