

Title (en)

ROTARY HYDRAULIC DEVICE WITH VARIABLE DISPLACEMENT

Publication

EP 0065607 A3 19831005 (FR)

Application

EP 81400818 A 19810522

Priority

EP 81400818 A 19810522

Abstract (en)

[origin: EP0065607A2] 1. Rotary hydraulic device with variable cylinder of the volumetric pump type with coaxial stator and rotor (3) and with vanes (1) sliding axially in the rotor (3), the stator having at least one lower surface presenting fixed plane areas (18) and hollows (8), the said vanes following the said lower surface, the said hollows (8) being formed by movable elements (6) presenting axially a central plateau (15) forming the base of the hollow (8), and on both sides of this central plateau (15) a flank (16) with an inclined slope relative to this central plateau (15) each flank being laterally recessed with respect to the width of the central plateau (15) and being located between two fixed ramps (7) of the stator making the junction between the flank and the adjacent fixed plane area (18).

IPC 1-7

F04C 15/04

IPC 8 full level

F04C 14/20 (2006.01)

CPC (source: EP)

F04C 14/20 (2013.01)

Citation (search report)

- [Y] US 3250223 A 19660510 - KRAWACKI MICHAEL J
- [Y] US 2628566 A 19530217 - LEO BERNER, et al
- [Y] DE 243697 C
- [Y] FR 1130841 A 19570212
- [A] US 2629332 A 19530224 - TRIPP DWIGHT E
- [Y] FR 1498399 A 19671020
- [A] FR 1045882 A 19531201
- [A] US 2368223 A 19450130 - KENDRICK CHARLES M

Cited by

US6547546B1; EP0265333A1; FR2605376A1

Designated contracting state (EPC)

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EP 0065607 A2 19821201; EP 0065607 A3 19831005; EP 0065607 B1 19880107; AT E31784 T1 19880115; DE 3176592 D1 19880211

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