

Title (en)
Hydraulic rotary device.

Title (de)
Hydraulische rotierende Vorrichtung.

Title (fr)
Dispositif hydraulique rotatif.

Publication
EP 0028197 A1 19810506 (FR)

Application
EP 80401537 A 19801029

Priority
• FR 7926873 A 19791030
• FR 8001502 A 19800124

Abstract (en)
[origin: ES8107365A1] The invention relates to a rotary electrohydraulic device of the volumetrical pump type having stator and rotor as well as vanes axially slidable in said rotor. According to the invention, the intermediary space between the rotor and the stator has an axial longitudinal circularly variable interval partly defined by a continuous stator bottom surface of a constant width, said slidable vanes coming to bear constantly and totally on said continuous bottom surface, which is single for a considered set of said vanes. The device according to the invention is mainly applicable as a brake or slackening means but can also work as a motor and a pump.

Abstract (fr)
L'invention se rapporte à un dispositif électrohydraulique rotatif du type pompe volumétrique à stator (2) et rotor (1) et à palettes (5) coulissant axialement dans ledit rotor. Selon l'invention, l'espace intermédiaire entre rotor et stator est d'un écart axial longitudinal variable circulairement et défini en partie par une surface continue de fond statorique (6) de largeur constante, lesdites palettes coulissantes venant s'appuyer de manière constante et totale sur ladite surface continue de fond, laquelle est unique pour un jeu de palettes considéré. Le dispositif selon l'invention est applicable principalement comme frein ou ralentisseur mais est susceptible de fonctionner également en moteur et en pompe.

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F04C 2/344; F04C 2/356; F01C 21/08

IPC 8 full level
F01C 21/08 (2006.01); **F04C 2/344** (2006.01)

CPC (source: EP US)
F01C 21/0818 (2013.01 - EP US); **F04C 2/3448** (2013.01 - EP US)

Citation (search report)
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AT BE CH DE FR GB IT LU NL SE

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EP 0028197 A1 19810506; **EP 0028197 B1 19850731**; BR 8006973 A 19810512; DE 3070927 D1 19850905; DK 160720 B 19910408; DK 160720 C 19910916; DK 450480 A 19810501; ES 496323 A0 19811001; ES 8107365 A1 19811001; IE 51772 B1 19870401; IE 802243 L 19810430; US 4492541 A 19850108

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EP 80401537 A 19801029; BR 8006973 A 19801029; DE 3070927 T 19801029; DK 450480 A 19801024; ES 496323 A 19801028; IE 224380 A 19801029; US 57679884 A 19840206