

Title (en)

Electrohydraulic apparatus for steering systems, in particular for vehicles.

Title (de)

Elektro-hydraulische Einheit für Servolenkungsanlagen, insbesondere für Fahrzeuge.

Title (fr)

Groupe électro-hydraulique pour dispositifs d'assistance, en particulier pour véhicules.

Publication

EP 0088674 A1 19830914 (FR)

Application

EP 83400405 A 19830228

Priority

FR 8203619 A 19820304

Abstract (en)

[origin: ES8401196A1] An electro-hydraulic unit for control devices, particularly for steering devices, braking devices, suspension devices, and like devices comprises an electric motor directly connected to a gear hydraulic pump, said electric motor and hydraulic gear pump having a common interface providing a lateral cheek for the electric motor, this common interface being formed in one part with body of the hydraulic pump.

Abstract (fr)

Le groupe électro-hydraulique pour l'asservissement de mécanismes de direction, de freinage, de suspension et autres, comporte un moteur électrique 32 dont l'arbre 31 est directement accouplé à l'arbre 20 d'une pompe hydraulique 10, le corps 15 de la pompe formant une interface 14 constituant l'une des joues de support de la culasse 28 du moteur électrique.

IPC 1-7

F04C 11/00

IPC 8 full level

B62D 5/07 (2006.01); **F04C 11/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 11/008 (2013.01 - EP US)

Citation (search report)

- [Y] DE 1628219 A1 19711125 - BOOTH G, et al
- [Y] DE 1628216 A1 19710729 - BORSIG GMBH, et al
- [Y] US 4241484 A 19801230 - GRAHAM KENNETH A [US]
- [Y] US 2678156 A 19540511 - HENDERSON STANFORD A
- [Y] US 3515167 A 19700602 - SVENSON ERNEST J
- [Y] GB 987587 A 19650331 - CHARLOTTE VOGEL
- [Y] FR 2476222 A1 19810821 - WALBRO CORP [US]
- [Y] FR 2242885 A5 19750328 - CENCO INC [US]
- [A] FR 2248730 A7 19750516 - CORONA & CO SPA [IT]
- [A] DE 1200136 C
- [A] US 2634904 A 19530414 - CLERC LEONARD F
- [A] FR 2039095 A5 19710108 - TOYODA MACHINE WORKS LTD
- [A] FR 2070371 A5 19710910 - APPLIC MACH MOTRICES

Cited by

EP0761970A1; FR2738302A1; DE102004021885B4; DE102004021885A1; EP1052408A3

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