

Title (en)

Reciprocating piston fluid-powered motor especially for windshield wiper.

Title (de)

Druckmittelbetätigte Drehantriebsstellvorrichtung, insbesondere für Scheibenwischer.

Title (fr)

Moteur à fluide à mouvement alternatif, en particulier pour l'entraînement d'un balai d'essuie-glace.

Publication

EP 0508838 B1 19941228 (FR)

Application

EP 92400273 A 19920203

Priority

- CA 2105229 A 19930831
- FR 9104429 A 19910411

Abstract (en)

[origin: EP0508838A1] The motor comprises a body (1) in which a rack (2) is slidably mounted; pressurised fluid means (P) for driving this rack in reciprocating translation; a pinion (3), mounted rotationally in the body and capable of interacting with the rack; an output shaft (4) of the motor rotationally driven by the pinion (3), and an inversion device (C) comprising a distributor (D) for altering the direction of action of the drive means (P) at each end of stroke of the rack. The pressurised fluid drive means (P) comprise two pistons (6a, 6b), respectively connected to each end (5a, 5b) of the rack (2) and capable each of moving in an associated cylinder (11a, 11b) situated on either side of the body (1), the pinion (3) being placed between the two pistons, the pressurised fluid being admitted alternately into one of the chambers (32a, 32b) of the cylinders opposite the rack.
<IMAGE>

IPC 1-7

F01B 1/08; **F15B 15/08**

IPC 8 full level

F01B 1/08 (2006.01); **F01B 9/04** (2006.01); **F15B 15/08** (2006.01)

CPC (source: EP)

F01B 1/08 (2013.01); **F01B 9/047** (2013.01); **F15B 15/065** (2013.01)

Cited by

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EP 0508838 A1 19921014; **EP 0508838 B1 19941228**; AT E116406 T1 19950115; CA 2105229 A1 19950301; DE 69200995 D1 19950209; DE 69200995 T2 19950727; FR 2675203 A1 19921016; FR 2675203 B1 19950310

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