

Title (en)

Hydraulic piston motor having means for measuring the speed of rotation.

Title (de)

Hydraulischer Kolbenmotor mit Mitteln zum Messen der Rotationsgeschwindigkeit.

Title (fr)

Moteur hydraulique à piston avec des moyens pour mesurer la vitesse de rotation.

Publication

EP 0263558 A2 19880413 (EN)

Application

EP 87201880 A 19871001

Priority

IT 2195186 A 19861009

Abstract (en)

The hydraulic piston motor comprising means for measuring the speed of rotation according to the invention comprises a rotating hydraulic distributor adapted to supply hydraulic pressure fluid in cycles to the pistons driving the motor, and having a revolving internal member (15) rotating integrally with the drive shaft (16) and comprising ducts (17) for distributing hydraulic fluid, a sensor (8) being present in a fixed position on the hydraulic distributor and facing the revolving member (15), the outer surface of which is formed with discontinuities (12) detectable by the sensor (8) which, corresponding to the periodic detection of the aforementioned discontinuities during the rotation of the revolving member (15), generates a signal at a frequency proportional to the speed of rotation of the member (15), means being present for protecting the sensors from the pressure of the hydraulic fluid in the fixed outer casing of the distributor.

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F04B 49/10

IPC 8 full level

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CPC (source: EP)

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Cited by

CN110985130A; US6486653B2; WO0246694A3

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