Title (en)
Device for recording the cylinder capacity of hydraulic motors having radial variable cylinder-piston unit.

Title (de)
Vorrichtung zur Registrierung der Zylinderkapazität einer hydraulischen Maschine, versehen mit variabler Zylinderkapazität.

Title (fr)
Dispositif pour enregistrer la capacité des cylindres d'un moteur hydraulique comprenant des propulseurs à capacité de cylindres variable.

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Application
EP 87202178 A 19871107

Priority
IT 2233986 A 19861114

Abstract (en)
The invention relates to a device for recording the cylinder capacity of hydraulic motors having variable-capacity radial propulsors and in which the propulsors (4) have at least one oscillating portion coupled to an eccentric component (3) of the drive shaft (2), the device comprising at least one proximity sensor (12) mounted in a fixed position on the outer casing (1) of the motor and facing an oscillating means comprising a propulsor (4) or portion thereof, the sensor being adapted to generate an electric signal of varying intensity depending on the distance between it and the oscillating means, and the maximum amplitude of variation of the signal at each revolution of the motor corresponding to the maximum amplitude of oscillation of the oscillating means, which is related to the eccentricity of the eccentric component and to the cylinder capacity determined thereby.

IPC 1-7
F01B 1/06; F01B 25/00; F01B 31/12; F03C 1/04; F04B 51/00

IPC 8 full level
F01B 1/06 (2006.01); **F01B 25/00** (2006.01); **F01B 31/12** (2006.01); **F02B 77/08** (2006.01); **F03C 1/04** (2006.01); **F04B 51/00** (2006.01)

CPC (source: EP)
F01B 1/062 (2013.01); **F01B 25/00** (2013.01); **F01B 31/12** (2013.01); **F02B 77/08** (2013.01)

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CN106523263A; EP1624185A3; ITMO20120150A1; CN104603452A; JP2015522743A; US10087756B2; WO2013183076A1; WO2006050233A1; WO2007122643A1; US8235680B2; JP4842372B2

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