Title (en)

Method and apparatus for determining operating parameters in hydraulic piston engines

Title (de)

Verfahren und Vorrichtung zur Ermittlung von Betriebsparametern eines hydraulichen Kolbenmotors

Title (fr)

Procédé et dispositif de détermination des paramètres de fonctionnement pour un moteur hydraulique à piston

Publication

EP 1624185 A2 20060208 (EN)

Application

EP 05076783 A 20050801

Priority

IT MI20041598 A 20040803

Abstract (en)

Apparatus for determining the operating parameters of a variable-volume hydraulic engine comprising a plurality of propulsion members (10) oscillating about a respective centre of oscillation (Cn) and a spherical body (6) associated with the driving shaft (7) and movable eccentrically (E) with respect to the centre of rotation (O) of the latter, and comprising at least two devices (50;150) each of which is respectively arranged on an associated propulsion member (10) and is designed to detect a parameter able to allow determination of the position of the point of eccentricity (E) of the driving shaft (7) with respect to the centre of rotation (O) of the driving shaft and the centres of oscillation (C1,C2) of said propulsion members (10), and a data processing unit (1000) able to store the data detected and perform the necessary calculation.

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN102619675A; CN112576491A; CN111980903A; CN102695871A; CN109630494A; EP3358181A1; IT201700012623A1; US9115711B2; WO2011082890A3; WO2007122643A1; US8235680B2; JP4842372B2; JP2013514480A

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