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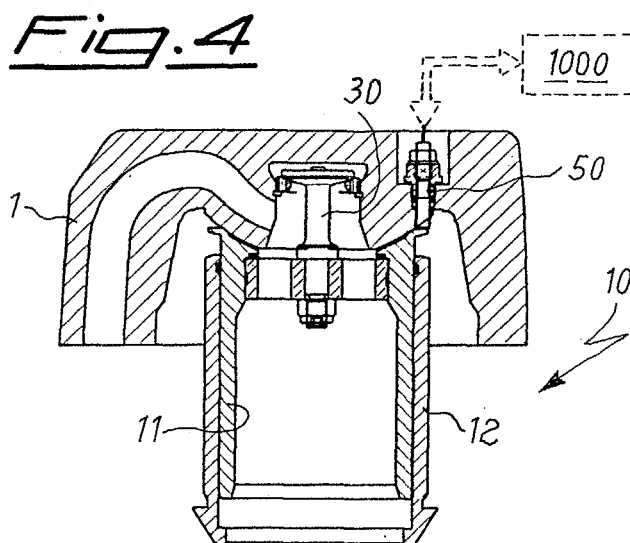
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(54) **Method and apparatus for determining operating parameters in hydraulic piston engines**

(57) 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.





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Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 07 6783

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,A	EP 0 267 656 A2 (RIVA CALZONI SPA [IT]) 18 May 1988 (1988-05-18) * abstract * * column 3, line 22 - column 7, line 19 * * figures * -----	1,8,10, 14,15, 22,24, 26,27,34	INV. F03C1/04 F04B51/00 F04B49/12
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			TECHNICAL FIELDS SEARCHED (IPC)
			F04B F03C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 December 2006	Examiner Kolby, Lars
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

3

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 07 6783

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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