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(54) Distribution system for a hydrostatic piston machine

(57) A distribution system for a hydrostatic piston machine which comprises a rotating body (7) provided with cylindrical chambers (8) in which the pistons (9) can slide and which are arranged parallel and concentrically with respect to the rotation axis (A) of the body and are connected to respective ports (11) which are distributed concentrically around the axis on a face of the body, and a stationary plate (5) which has a surface which makes contact against the face and is provided with two open-

ings (14, 15) which are connected to a first duct and a second duct for a working fluid, the openings (14, 15) being arranged concentrically with respect to the axis (A) and opposite with respect to the ports (11), so as to form a passage section for the fluid between one of the chambers (8) and one of the ducts, the openings (14, 15) and the ports (11) being sized so that at the dead center of the stroke of the pistons (9) the incremental ratio between the passage section of the fluid and the rotation angle of the body is different from zero.

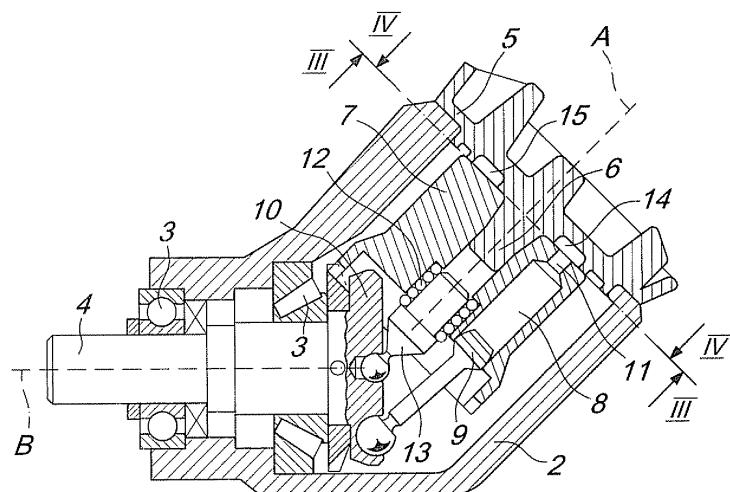


Fig. 2



EUROPEAN SEARCH REPORT

Application Number

EP 06 12 1256

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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The present search report has been drawn up for all claims			
11	Place of search Munich	Date of completion of the search 19 December 2008	Examiner Richmond, Robin
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 8 : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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