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(54) **Gyrotor hydraulic motor**

(57) A multi-speed gerotor motor of the type including a fluid displacement mechanism (21) defining expanding (33E) and contracting (33C) fluid volume chambers, a stationary valve member (19), defining a plurality N of stationary valve passages, and a movable valve member (43). The upstream end of each valve passage communicates with the movable valve member (43), and the downstream end of each valve passage com-

municates with one of the volume chambers. In a plurality M of the stationary valve passages (79A through 79E) the upstream (81) and downstream (83) passage portions are blocked from direct communication, and for each there is a control valve member (103) which can, selectively, permit fluid communication for normal, low-speed, high-torque operation, or can block such communication, and recirculate the associated volume chambers for highspeed, low torque operation.

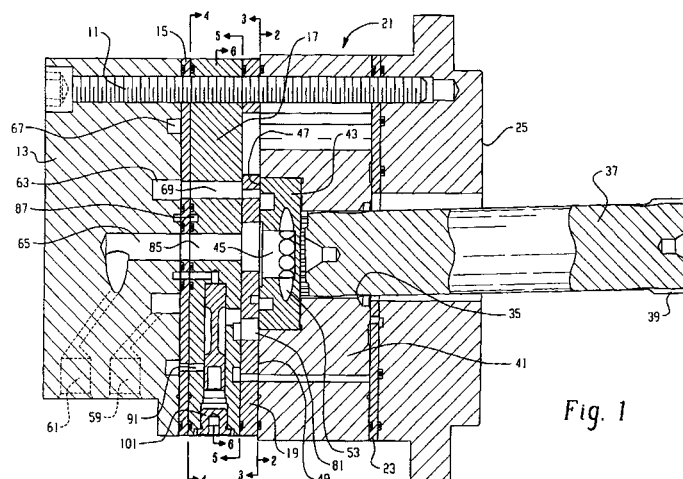


Fig. 1

EP 1 158 165 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 2161

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 October 2001	Examiner Lequeux, F
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 01 11 2161

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