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(54) **Pump device**

(57) A fixed capacity pump (P) sucks working oil from a reservoir (R) through a conduit (Rp) and a suction passage (1), and discharges the pressurized working oil into a discharge passage (2) connected to an actuator (A). A choke (21) is disposed in the discharge passage (2), and a flow control valve (F) recirculates a part of the working oil in the discharge passage (2) upstream of the choke (21) to the suction passage (1) according to a pressure loss generated by the choke (21). The characteristic of the choke (21) which significantly increases the flow resistance in a low temperature state makes the flow rate of the recirculated working oil increase, thereby preventing cavitation/noise from occurring in the pump (P) when operated at high speed and in a low temperature state.

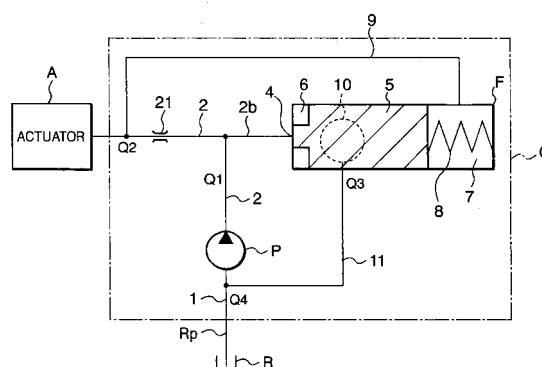


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 05 02 7802

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 September 2012	Examiner Sbresny, Heiko
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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