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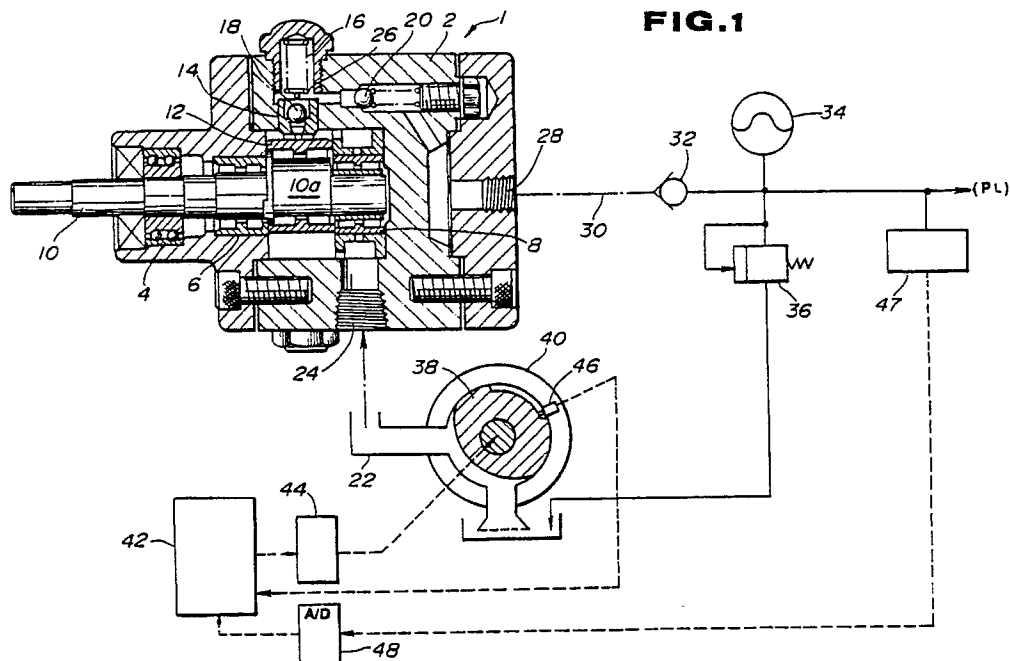
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26.09.90 Bulletin 90/39(71) Applicant: **NISSAN MOTOR CO., LTD.**  
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**D-8000 München 22(DE)**(54) **Fixed cylinder type radial piston pump with volume control apparatus.**

(57) A fixed cylinder type radial piston pump (1) with volume control apparatus is disclosed, in which volume control is possible by means of a variable aperture (38) carrying out opening control of a suction passage (22). For achieving continuous volume control in a large range, the radial piston pump (1)

can provide two pump portions separated by an intermediate wall (60) and including a gate valve (62) in the other suction passage (22'). Without installing the intermediate wall (60), it is also possible to separate the two pump portions from each other by using a suction check valve (64).



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DOCUMENTS CONSIDERED TO BE RELEVANT			EP 89106542.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>4</sup> )
X	DE - A1 - 2 946 746 (FICHTEL & SACHS) * Totality; especially page 6, line 7 - page 8 *	1	F 04 B 1/06
Y	--	2, 3, 5	
Y	DE - A1 - 2 951 012 (ZAHNRADFABRIK FRIEDRICHSHAFEN) * Totality; especially fig. 1; claims *	2, 3, 5	
A	--	1, 4, 6	
X	DE - A - 1 653 379 (BOSCH) * Totality *	1	
A	----	2-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>4</sup> )
			F 04 B 1/00 F 04 B 23/00 F 04 B 49/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 20-07-1990	Examiner WERDECKER
<p><b>CATEGORY OF CITED DOCUMENTS</b></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 &amp; : member of the same patent family, corresponding document</p>			