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54 Rotary-vane type fluid machine.

(57) A rotary-vane type fluid machine is constructed such that a rotor (1) is caused to rotate within a casing (2) to increase or decrease the volume of a space created between the outer periphery of the rotor (1) and the inner wall surface of the casing (2) by vane structures (8) which rotate together with the rotor (1) to thereby transfer a fluid by pressure in accordance with the variation in volume of said space. The vane structure (8) has two vanes disposed in substantially symmetrical relationship with respect to a shaft (6) of the rotor and fixed so that they can not moved relative to each other. The fluid machine also comprises a crank mechanism (3, 4, 3a, 4a) which causes the vane structure (8) to radially advance and retreat in order to reciprocally vary a distance between a center of the shaft (6) and a tip end (7) of one vane and a distance between the center of the shaft (6) and a tip end (7) of the other vane in accordance with the rotation of the rotor (1).

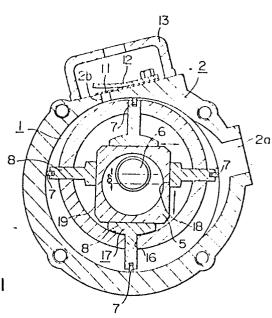


FIG. I



EUROPEAN SEARCH REPORT

EP 85 10 0187

Category	Citation of document wi	SIDERED TO BE RELEVA th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl 4)	
х	* Figures 2-4	(SAMGA ET BAVOX); page 1, lines ge 2, lines 13-26;	1,2,5, 6	F 01 C	1/344
Y			7		
х	US-A-1 940 384 * Figures 3,4,23 44-65; claim 2	3; page 1, lines	1		
A			2,6		
х	DE-C- 72 347 * Figure 1; page	(E.B. DONKIN) 1, paragraph 3 *	1,3	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)	
Y			4	F 01 C F 04 C	1/00 2/00
Y	DE-C- 401 297 * Figure 3 *	(J. BAUDOT)	7	F 04 C F 01 C F 01 C	18/00 19/00
Y	BE-A- 785 646 * Figure 3; pgraph *	(V. CHEVALIER) page 5, last para	4		
	The present search report has b	been drawn up for all claims			
···-	Place of search	Date of completion of the search	<u> </u>	Examiner	
THE HAGUE 08-01-1987		1	TEERLING J.H.		
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