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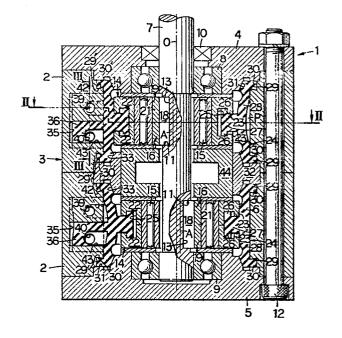
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Mutating piston pump.

(3) A rotary pump having an eccentric rotor (14) adapted to effect eccentric motion relative to the axis of the pump shaft (7) within a pump casing (1) to cause pumping action in a pump chamber. The pump comprises a pump casing (1), a pump shaft (7) mounted on the pump casing, a pair of eccentric rotors (14) mounted on the pump shaft (7) with angular spacing apart of 180°, a pair of diaphragms (24) on the eccentric rotors (14) to define a pair of pump chambers P, a partition member (36) adapted to divide the pump chamber into a suction chamber (Pi) and an exhaust chamber (Pe), and an intake port (42) and an exhaust port (43) in communication with the suction and exhaust chambers, respectively, the intake port being cut off from its communication with the exhaust port by the partition member during rotation of the pump shaft.





EUROPEAN SEARCH REPORT

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EP 81 30 1961

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate, of relevant passages		opriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)	
X,Y	US-A-2 946 291	,	golymn	1,2,3 6	F 04 C 2/04, F 04 C 5/00	
	Column 1, last 2, lines 1-58 8-62; figures	; column 3	, lines			
Y	LU-A- 39 826 *Page 4, last figures 5-7*			2,3		
Y	DE-C- 571 668 *Page 2, line 1-4*	(GODILLOT) s 41-106;	figures	2		
	GB-A- 671 094 CORP.)			3		
•	*Page 1, line 42; figures 2-5	*	2, line	en e	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)	
Y	GB-A-2 018 900 *Page 2, line page 3, lines 6	s 24-34, fig	gure 2;	4	F 04 C F 01 C	
Y	FR-A-1 095 539 *Page 2, lines		re 1*	4,5		
Y	US-A-4 219 314 *Column 2, li line 3; figure	(HAGGERTY) ne 34 to col	Lumn 3,	5		
The present search report has been drawn up for all claims						
Place of search Date of completion of the search 28-04-1983			KAPOU	Examiner JLAS T.		
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 E: earlier pater after the filing D: document of the document of the same category L: document of the same category A: technological background C: member of the same category				it document, I ig date ited in the app ited for other	reasons	
P: intermediate document 4: member of 1 document				the same patent family, corresponding		