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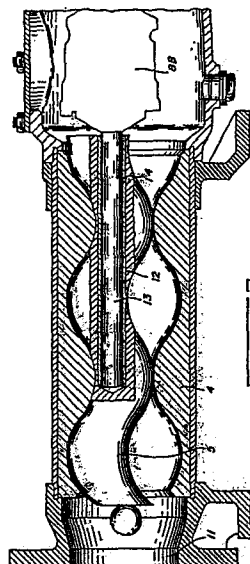
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54 Rotary displacement pump.

57 A rotary, positive displacement progressing cavity pump comprising a stator (4), a rotor (5) within the stator, an inlet and outlet in the stator and a drive shaft (6) connected to the rotor, the drive shaft-to-rotor connection (12,13) comprising a heat-sensitive, breakaway bond (14) of a heat-fusible metal alloy in an amount to provide a mechanical linkage between the drive shaft and the rotor, the metal alloy being meltable upon the generation of heat within the pump cavity and so disconnect the mechanical linkage.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	DE-A-1 816 462 (NETZSCH) * Figure 2; page 1, paragraphs 1,2; page 5, paragraph 1; claim 3 * ----	1,2,6	F 04 C 2/107 F 04 C 15/00
Y	US-A-2 539 534 (ECKHARDT) * Figures 1,3; column 1, lines 1-5; column 2, line 54 - column 3, line 37; column 4, lines 63-73 * ----	1,2,6	
A	-----	5	
A	US-A-2 873 006 (PHILLIPS) * Figure 2; column 4, lines 7-11,21-27 * -----	6	
A	US-A-3 193 068 (GREVE) * Figures 2-4; column 1, lines 10-13; column 3, lines 3-20,44-56 * -----	1,2,6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 01 C F 04 C F 16 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-01-1988	Examiner TEERLING J.H.
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			