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(54) **Fluid pressure controller for pumps**

(57) A device for controlling the operation of pumps in hydraulic circuits by detecting the pressure of the circuit and consequently activating or stopping the pump. The device comprises an oscillating circuit (23), in which the capacitor (17) is a capacitive transducer which cooperates with at least one mechanical actuator (10) for actuating at least one of the plates (15, 18) of the capacitor (17), and means for interfacing with the pump; the actuator (10) is subjected to the pressure of the fluid.

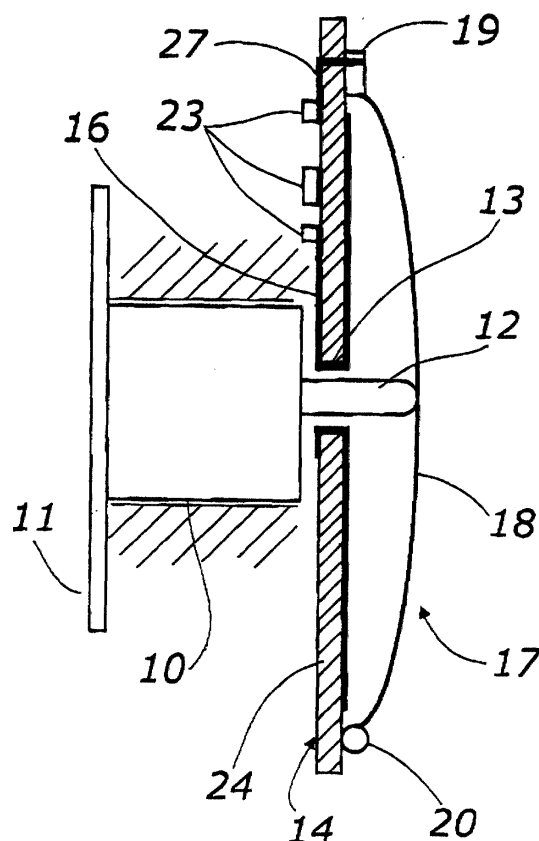


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 11 7204

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	EP 0 706 038 A (OMRON TATEISI ELECTRONICS CO) 10 April 1996 (1996-04-10)	1-3,7,8	F04B49/02 G01L9/12
Y	* abstract *	4,5	
A	* page 5, line 19 - page 7, line 24 * * figures 1-6 *	9-11	

X	US 4 663 974 A (SCHERER OTTO) 12 May 1987 (1987-05-12)	1-3,7	
A	* abstract * * column 2, line 18 - line 27 * * column 3, line 45 - column 6, line 66 * * figures *	8,11	

X	DE 12 82 302 B (MICROMATIC HONE CORP.) 7 November 1968 (1968-11-07)	1,2	
A	* column 4, line 24 - column 5, line 44 * * figures 3,4 *	3,7,8,11	

Y	EP 0 709 575 A (FRANKLIN ELECTRIC CO INC) 1 May 1996 (1996-05-01)	4,5	
A	* abstract * * column 2, line 28 - column 6, line 5 * * figures 1-3 *	1,15	TECHNICAL FIELDS SEARCHED (Int.CI.7)
	---		F04B G01L
A	GB 2 259 147 A (BURRENG LIMITED ;PREMIERFORCE LIMITED (GB)) 3 March 1993 (1993-03-03) * abstract * * page 7, line 5 - page 10, line 21 * * figures 2-5 *	1,4,5,15	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 February 2002	Examiner Kolby, L
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	

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 11 7204

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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14-02-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0706038	A	10-04-1996	EP 0706038 A1	10-04-1996
			DE 69415982 D1	25-02-1999
			DE 69415982 T2	09-09-1999
US 4663974	A	12-05-1987	CH 667736 A5	31-10-1988
			DE 3563389 D1	21-07-1988
			EP 0178551 A1	23-04-1986
DE 1282302	B		NONE	
EP 0709575	A	01-05-1996	US 5580221 A	03-12-1996
			EP 0709575 A1	01-05-1996
GB 2259147	A	03-03-1993	GB 2259157 A	03-03-1993