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71 Applicant: **J.H. FENNER & CO. LIMITED**, Marfleet, Hull  
North Humberside, HU9 5RA (GB)

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72 Inventor: **Kempe, Stephan**, Lystlundvej 11,  
DK-6960 Ulfborg (DK)

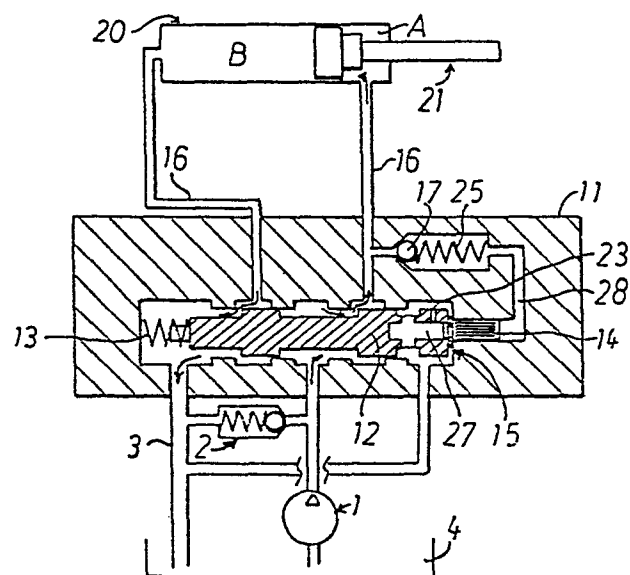
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74 Representative: **Ranson, Arthur Terence et al, W.P.**  
**Thompson & Co. Coopers Building Church Street,**  
Liverpool L1 3AB (GB)

## 54 Valve for automatically directing a flow of fluid.

57 A valve for automatically directing the flow of fluid from a source of pressure to each side in turn of a double acting hydraulic actuator causing it to reciprocate. The valve assembly comprising a valve spool (12) which is acted on by a return spring (13) to urge the valve spool into a starting position, in which position fluid flows to one side of the actuator. Spring loaded valve means (17, 25) controls the flow of fluid, when a predetermined pressure is exceeded, to a pilot spool (14) which acts on the valve spool to change over its position. The valve spool (12) is held in the change over position by a back pressure which is generated during the return of the actuator by the flow of fluid through a throttle (D) formed between the valve spool and the pilot spool.





European Patent  
Office

# EUROPEAN SEARCH REPORT

0132923

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 84303536.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	DE - A1 - 2 842 808 (HILLS-MC CANNA CO.) * Fig. 4 *	1	F 16 K 31/122
A	GB - A - 1 409 305 (EATON CORP.) * Claims; fig. 2 *	1	
A	GB - A - 1 541 490 (AFFILIATH HOSPITAL) * Fig. 4A-5B *	1	
A	GB - A - 2 032 061 (INNER HYDRAULIK) * Totality *	1	
A	GB - A - 2 092 717 (GEWERKSCHAFT EISENHUTTE) * Totality *	1,2	TECHNICAL FIELDS SEARCHED (Int. Cl.4) F 16 K 31/00
A	US - A - 4 349 041 (BATES) * Totality *	1	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 14-11-1986	Examiner BAUMANN
<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>			