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## EUROPEAN PATENT APPLICATION

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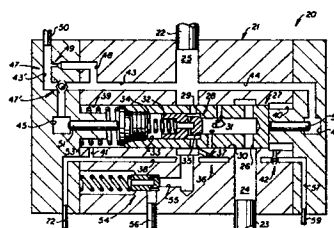
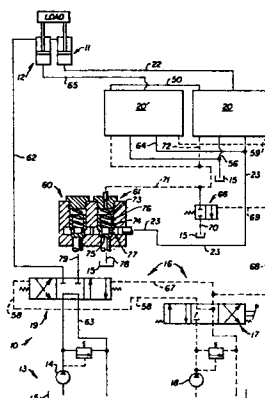
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### Fluid circuit with load check valve.

The spool-type load check valve (20) of this invention, used in conjunction with additional check valves (60, 61) overcomes the problem of leakage in conventional spool type check valves by providing a series of interconnecting passages and chambers (36) for communicating equalized fluid pressure from a cylinder (11) to either end of the spool (27) thereof to provide for minimal leakage. When a pair of such cylinders (11, 12) are utilized, the load check valves (20, 20') associated therewith are interconnected by a balance line (50) and resolver valves (47') ensure equalization of fluid pressure in the cylinders upon actuation thereof and also a gradual descent of a load carried by the cylinders upon loss of fluid pressure between the check valves.





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# EUROPEAN SEARCH REPORT

0036761  
Application number

EP 81 30 1185

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>3</sup> )
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>DE - A - 2 554 579</u> (BUCHHOLZ)  * the whole document *  --	1,3,4	F 15 B 11/16 13/01
	<u>DE - A - 2 036 547</u> (KRUPP)  * the whole document *  --	1-4,7, 9	
	<u>US - A - 3 500 721</u> (ALLEN)  * the whole document *  --	1,2,7, 9	TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
	<u>US - A - 3 943 825</u> (BIANCHETTA)  * the whole document *  --	6	F 15 B
	<u>DE - B - 1 196 927</u> (MARTENS)  * the whole document *  --	5	
	<u>US - A - 4 102 250</u> (SCHEXNAYDER)  * the whole document *  -----	1-9	CATEGORY OF CITED DOCUMENTS  X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of search	Date of completion of the search	Examiner	
The Hague	23-12-1981	KNOPS	