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54 **Fluid power transmission system.**

57 A fluid power transmission system comprises a fluid power transmitting unit (12) having a mechanical power input provided by movement of a piston (15) relative to a body portion (14) of the transmitting unit (12) and a fluid power receiving unit (13) having a mechanical power output provided by movement of a piston (15) relative to a body portion (14) of the receiving unit (13). The piston (15) divides a space within the body portion (14) of each unit (12,13) into first (16) and second (17) chambers. The first chambers (16) of the units (12,13) are interconnected by a liquid and the second chambers (17) of the units (12,13) are interconnected by a gas.

Means are disclosed which compensate for changes in the volume of the liquid interconnection due to temperature changes so that a mechanical output from the receiving unit (13) is not affected by such volume changes.

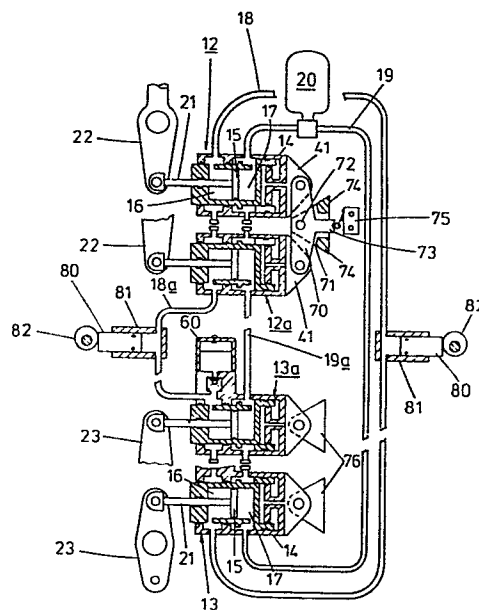


FIG.1



European Patent  
Office

# EUROPEAN SEARCH REPORT

0023814

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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	
A	<u>DE - C - 631 770</u> (VOLKERT) + Totality + --	2	F 16 H 39/44 F 15 B 21/04// B 64 C 27/54
	<u>DE - A - 2 234 410</u> (SCHWEIZERISCHE) + Fig. 1,3 + & US-A-3 854 420 --	11,12	
	<u>US - A - 1 716 121</u> (GIFFEN) + Totality + ----		TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
			B 64 C 13/00 B 64 C 27/00 B 61 G 5/00 F 15 B 7/00 F 15 B 9/00 F 15 B 11/00 F 15 B 15/00 F 15 B 18/00 F 15 B 20/00 F 15 B 21/00 F 16 H 39/00
			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
X 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
VIENNA		30-07-1981	BAUMANN