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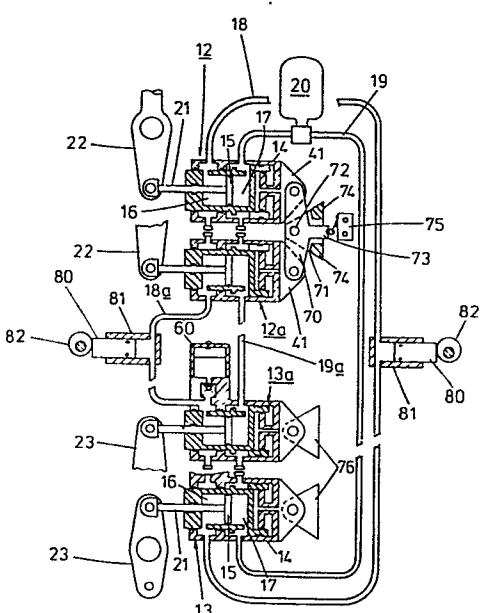
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(54) Fluid power transmission system.

(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.





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EUROPEAN SEARCH REPORT

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EP 80302580.8

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>DE - C - 631 770</u> (VOLKERT) + Totality + --</p> <p><u>DE - A - 2 234 410</u> (SCHWEIZERISCHE) + Fig. 1,3 + & US-A-3 854 420 --</p> <p><u>US - A - 1 716 121</u> (GIFFEN) + Totality + -----</p>	2 11,12	<p>F 16 H 39/44 F 15 B 21/04// B 64 C 27/54</p>
A			TECHNICAL FIELDS SEARCHED (Int. Cl.)
			<p>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</p>
			CATEGORY OF CITED DOCUMENTS
			<p>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</p>
			<p>&: member of the same patent family, corresponding document</p>
X	The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner	
VIENNA	30-07-1981	BAUMANN	