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(54) Heat transfer plate having a gasket groove and method of forming such a groove.

(57) In heat transfer apparatus of the plate type, gaskets around the plates are normally elastomeric gaskets fixed by adhesive into pressed recesses in the plates. These gaskets are expensive and the technique of fixing and replacing them is time consuming. In accordance with the present invention, a pressed groove (6) in a plate 1 is filled with a body (9) of plastics material having the capacity of adherence to the metal of the plate 1. This body 9 of plastics material is then formed with an accurate groove 10 to receive and mechanically retain a seal 11.

The groove 10 and gasket 11 may be duplicated to form a double seal.

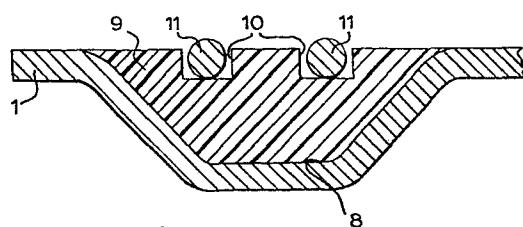


FIG.2.



EUROPEAN SEARCH REPORT

Application number
EP 80 30 2777

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>DE - C - 656 365</u> (BERGEDORFER)</p> <p>* The entire document *</p> <p>---</p> <p><u>FR - A - 1 430 760</u> (A.P.V. COMPANY)</p> <p>* The entire document *</p> <p>---</p> <p><u>GB - A - 1 273 139</u> (SERCK RAD.)</p> <p>* The entire document *</p> <p>---</p> <p><u>DE - B - 1 185 873</u> (E. LEYBOLD'S)</p> <p>* Column 2, lines 36-42; column 3, lines 10-27; figure 1 *</p> <p>---</p> <p><u>GB - A - 1 375 942</u> (REVERTEX)</p> <p>* Page 3, lines 6-62; figures 1, 2 *</p> <p>---</p>	1	F 28 F 3/10
A	<u>US - A - 3 869 963</u> (SCHINDEL)	1	TECHNICAL FIELDS SEARCHED (Int. Cl.3)
A	<u>FR - A - 2 028 117</u> (KEELAVITE)	1	F 28 F G 01 M F 16 J B 01 D
A	<u>FR - A - 2 008 062</u> (NAT. RESEARCH DEVELOPMENT CORP.)		CATEGORY OF CITED DOCUMENTS
A	<u>FR - A - 1 505 767</u> (ALFA-LAVAL)	1	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
A	<u>FR - A - 1 437 550</u> (SERCK RAD.)	1	&: member of the same patent family, corresponding document
<p><input checked="" type="checkbox"/> The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
The Hague	16-01-1981	SCHOUFOER	