

Title (en)

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

Title (de)

Wärmeübertragungsplatte mit einer Dichtungsnut und Verfahren zur Herstellung einer solchen Dichtungsnut.

Title (fr)

Plaque de transfert de chaleur avec une rainure d'étanchéité et procédé pour la fabrication d'une telle rainure d'étanchéité.

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Application

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Priority

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Abstract (en)

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 2 in a plate 1 is filled with a body 4 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.

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CPC (source: EP)

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Cited by

US4872506A; CN104792217A; CN104807365A; CN105953621A; CN105953631A; CN106017163A; CN106052465A; WO2005045346A1; WO8703673A1

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