

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1251325 A2 20021023 (EN)

Application
EP 02008598 A 20020416

Priority
• JP 2001119107 A 20010418
• JP 2002041564 A 20020219

Abstract (en)
A heat exchanger comprises: a corrugated plate (1); a base plate (2); a cover plate (4); a plurality of flow paths A and a plurality of flow paths B defined by the corrugated plate (1), the base plate (2) and the cover plate (4) disposed so as to interpose the corrugated plate (1) therebetween. The plurality of flow paths A and the plurality of flow paths B are alternately and adjacently arranged on both sides of the corrugated plate (1) for exchanging heat between fluid A and fluid B via the corrugated plate (1) by supplying fluid A through a plurality of flow paths A and fluid B through a plurality of flow paths B. <??>At least one of end portions of the plurality of flow paths is hermetically sealed by making partial cuts (13) at the end portions (10) of the corrugated plate (1) and/or folding a part of the end portions (10) of the corrugated plate (1), bending opposing ends of the corrugated plate (1) so as to form them respectively into a shape of a gable roof, bringing at least a part of the ends of the corrugated plate (1) into contact with each other, and brazing portions in contact, so that openings of one of the flow paths A and the flow paths B are hermetically sealed for allowing only one of the fluids to flow in/out at each end of the corrugated plate (1). <IMAGE>

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Cited by
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