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(11) **EP 0 984 238 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.06.2000 Bulletin 2000/23

(51) Int. Cl.⁷: **F28D 9/00, F28F 3/04**

(43) Date of publication A2:
08.03.2000 Bulletin 2000/10

(21) Application number: **99115727.2**

(22) Date of filing: **10.08.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **01.09.1998 SE 9802971**

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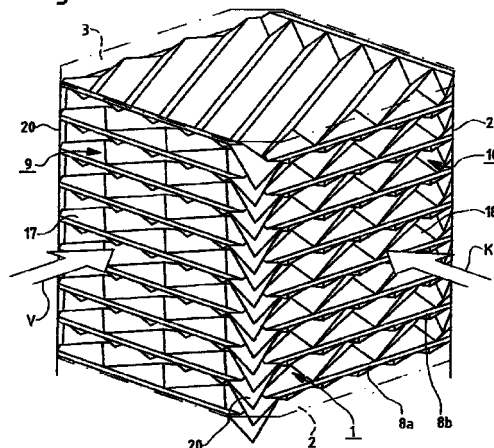
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(54) **Heat exchanger**

(57) The present invention relates to a plate heat exchanger of cross-flow type for heat exchange between different media of which at least one is a gas, wherein the plate heat exchanger comprises plates (8a, 8b) with elongated and in various alternating directions protruding corrugating ridges, wherein the plate heat exchanger has through-flow gaps (9) for a first medium (V) and through-flow gaps (10) for a second medium (K) and wherein the through-flow gaps (9, 10) extend crosswise relative to each other through the plate heat exchanger such that said first and second medium (V, K) flow crosswise relative to each other through said plate heat exchanger. Each plate (8a, 8b) has four corner portions (20) for sealing between the through-flow gaps (9, 10) at the corners of said plates (8a, 8b). Each corner portion (20) of a plate (8a or 8b) is by means of soldering joined closely together with a corresponding corner portion (20) of an adjacent plate (8b or 8a). Edge portions and corrugating ridges of two adjacent plates (8a, 8b) are joined together by means of soldering.

Fig.1



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EUROPEAN SEARCH REPORT

Application Number
EP 99 11 5727

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Place of search THE HAGUE		Date of completion of the search 17 April 2000	Examiner Beltzung, F
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EPC FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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