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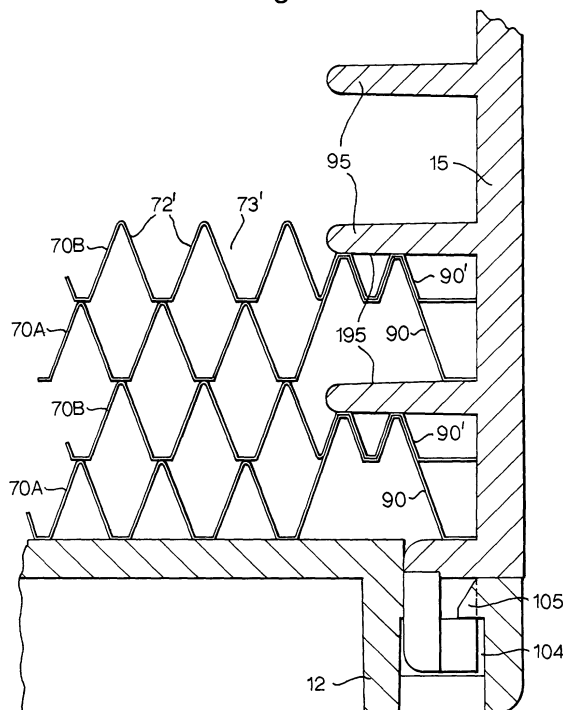
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### (54) Plate heat exchanger

(57) A heat exchanger 6 has two inlets 63 and 64 and two outlets 65 and 66 for two counterflow air paths 7 and 8 through a stack plates 70. The plates 70 are vacuum-formed, each having a section 71 with zigzag walls 72 forming multiple flow channels 73 between adjacent plates. The edges of the plates have walls 90, 90'

that nest with one another and are retained and sealed between ribs 95 on two side plates 14 and 15. Four grilles 16 to 19 at the inlets and outlets have bars 97 with recesses 99 retaining the edges of pairs of plates 70, the bars being separated by spaces 98 allowing air to flow between adjacent pairs of plates and into or out of the air paths 7 and 8.

Fig.11.





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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 7730

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>4 June 2002</b>	Examiner <b>Mootz, F</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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