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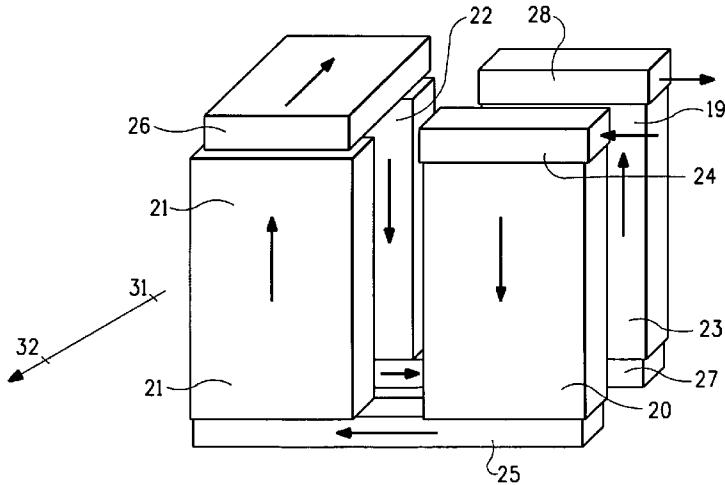
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**Fig. 13**

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(57) **Abstract:** A heat exchanger has a cross-current / counter-current structure, so that air which is directed across the heat exchanger is heated in the two successive rows. This design takes advantage of the temperature glide of a refrigerant blend. In this design, the hottest refrigerant blend is in contact with the hottest air, and the coldest refrigerant blend is in contact with the coldest air, leading to a lower difference between the average refrigerant blend temperature and the average air temperature compared to a pure refrigerant in a one-row heat exchanger.

INTERNATIONAL SEARCH REPORT

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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Y	page 1, column 1, line 16 - line 20; figure 39 page 1, column 2, line 25 - line 35 -----	9
X	US 2004/206490 A1 (KATOH YOSHIKI [JP] ET AL) 21 October 2004 (2004-10-21)	1,3-7
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P,X	EP 1 764 574 A (VALEO TERMAL SYSTEMS JAPAN COR [JP]) 21 March 2007 (2007-03-21) paragraphs [0018], [0024]; figures 2,7 -----	1,3-7, 10,11

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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