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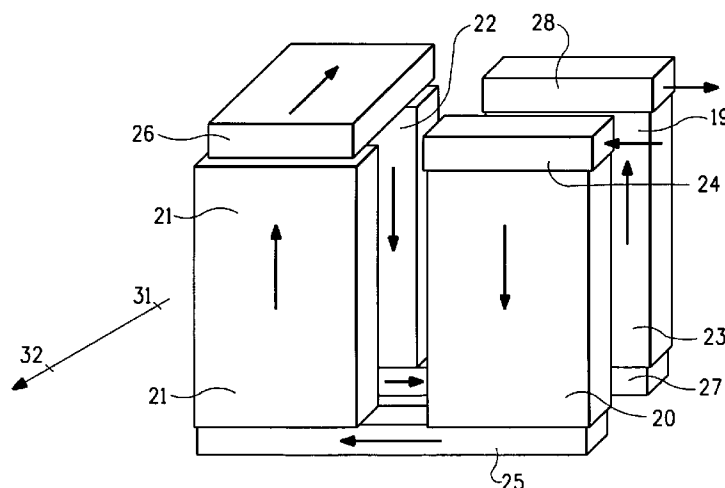
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**FIG. 13**

(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.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
F28D

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)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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☒ See patent family annex.

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