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— of inventorship (Rule 4.17(iv))

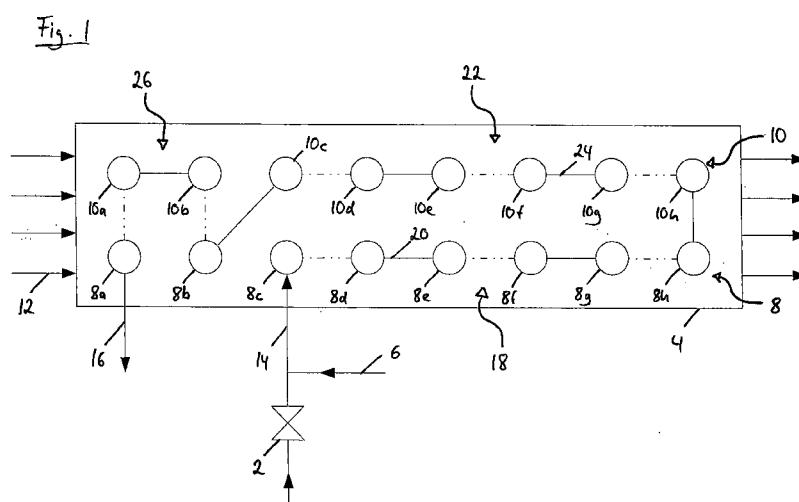
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(54) Title: REFRIGERATING CIRCUIT AND METHOD OF SELECTIVELY COOLING OR DEFROSTING AN EVAPORATOR THEREOF



(57) Abstract: A Refrigerating circuit according to the invention comprises a compressor, a condenser/gas cooler, an expansion device (2), an evaporator (4), and refrigerant conduits circulating a refrigerant therethrough. The evaporator (4) comprises refrigerant piping comprising a plurality of substantially horizontal layers (8, 10) each layer comprising a plurality of pipes (8a-8h, 10a-10h) the pipes being substantially perpendicular to an air flow direction (12) from an air inlet region to an air outlet region of the evaporator (4). A pipe selected from the group of the second pipe (8b) to the last but one pipe (8g) in the bottom layer (8) forms the entry pipe (8c) of the evaporator (4). The entry pipe (8c) is connectable with the expansion device (2) to provide a refrigerating mode, and the entry pipe (8c) is connectable with a hot gas conduit (6) to provide a defrosting mode for the evaporator (4).

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. F25B47/02 F25B39/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F25B F25D

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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