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(54) **A heat pump**

(57) The invention relates to a heat pump consisting of a pair of heat exchangers (31, 32) air/coolant connected to a coolant feed piping (2) into a compressor (1) and further connected to a coolant return piping (5) from a heat exchanger (4) coolant/water. The invention consists in that the coolant return piping (5) from the heat exchanger (4) coolant/water is before entering exchangers

(31,32) air/coolant split in two branches (51, 52), where each of them is connected to an evaporating inlet of one heat exchanger (31, 32) air/coolant, while each of the branches (51, 52) before entering one of the pair of heat exchangers (31, 32) air/coolant forms a heating piping (81, 82) of the second from the pair of heat exchangers (31, 32) air/coolant and each of the branches (51, 52) of the coolant return piping (5) is closable.

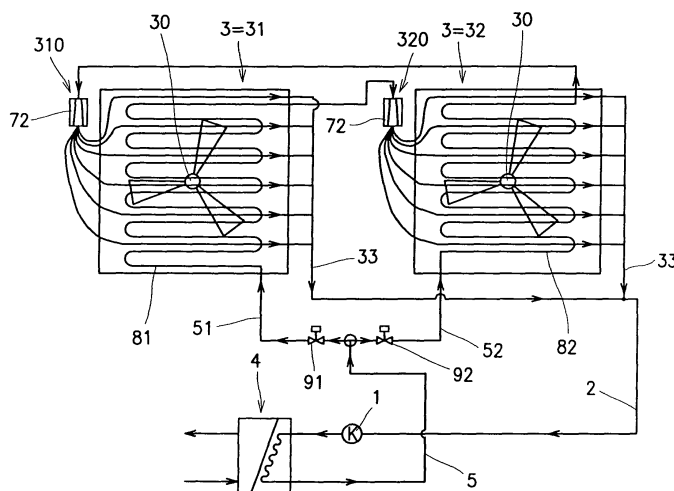


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 46 6002

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 16 November 2006	Examiner Ritter, Christoph
<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</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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