



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.12.2006 Bulletin 2006/52

(51) Int Cl.:
F25B 47/02 (2006.01) F25B 5/02 (2006.01)

(43) Date of publication A2:
21.09.2005 Bulletin 2005/38

(21) Application number: **05466002.2**

(22) Date of filing: **11.03.2005**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL BA HR LV MK YU

(71) Applicant: **Mach, Stanislav**
672 01 Moravsky Krumlov (CZ)

(72) Inventor: **Mach, Stanislav**
672 01 Moravsky Krumlov (CZ)

(30) Priority: **15.03.2004 CZ 20040367**
05.04.2004 CZ 20040459

(74) Representative: **Musil, Dobroslav**
Cejl 38
602 00 Brno (CZ)

(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.

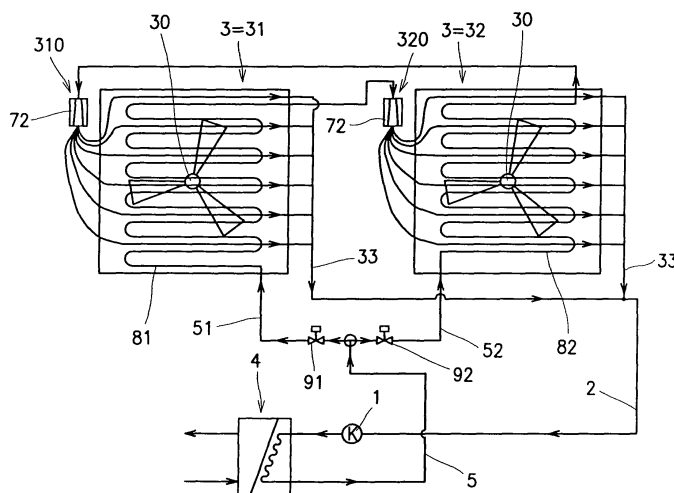


Fig. 1



European Patent
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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
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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