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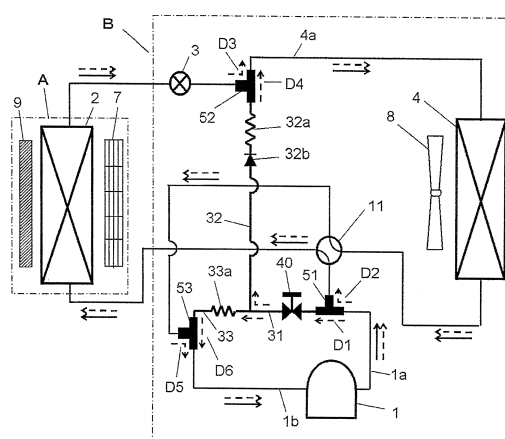
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(54) **Refrigeration cycle apparatus**

(57) A refrigeration cycle apparatus for effectively performing defrosting, in which a compressor (1), a four-way valve (11), a condenser (2), a throttling device (3), and an evaporator (4) are connected via pipes, including: discharge gas bypasses (31, 32, 33) for flowing a discharge refrigerant to at least one of a suction pipe (1b) of the compressor and an evaporator pipe (4a) for connecting the throttling device and the evaporator, from a discharge pipe (1a) for connecting the compressor and the four-way valve; and a refrigerant controller (40) capable of optionally flowing the discharge refrigerant to the discharge gas bypasses, wherein the discharge refrigerant of the compressor is partially passed through the discharge gas bypasses during defrosting in a heating operation, and a flow rate to the discharge gas bypasses is larger than a flow rate to the four-way valve.

FIG. 1





## EUROPEAN SEARCH REPORT

Application Number  
EP 08 15 3996

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	JP S62 91759 A (MITSUBISHI ELECTRIC CORP) 27 April 1987 (1987-04-27) * abstract; figure 2 *	1-16	INV. F25B13/00 F25B47/02
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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 The Hague		Date of completion of the search 9 October 2014	Examiner Vigilante, Marco
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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**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.  
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82