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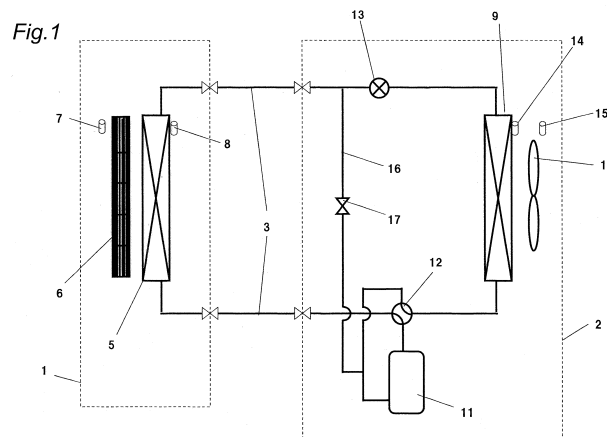
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(54) **Air conditioner**

(57) The air conditioner is capable of executing heating operation while user's comfort is maintained. The air conditioner includes an indoor temperature detection means 7 for detecting an indoor temperature, and a target temperature setting means for setting a target temperature, wherein a specified compressor-stop condition that is satisfied when a state that the indoor temperature is higher than the target temperature by a specified temperature difference has lasted for a specified duration time is previously set, and wherein after the indoor temperature has exceeded the target temperature and when the specified compressor-stop condition is satisfied, the compressor 11 is stopped. The air conditioner further in-

cludes a bypass circuit 16 for connecting one point between the indoor heat exchanger 5 and the pressure reducer 13 with another point between the four-way valve 12 and an inlet port of the compressor 11, and a bypass-use two-way valve 17 provided in the bypass circuit 16. After the indoor temperature has exceeded the target temperature and before the specified compressor-stop condition is satisfied, the bypass-use two-way valve 17 is opened. Thus, the likelihood that the compressor 11 may be stopped and the air conditioning may be stopped is lowered, so that the indoor user's comfort can be maintained.





EUROPEAN SEARCH REPORT

Application Number
EP 12 15 7794

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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)
			F25B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 January 2015	Examiner Szilagy, Barnabas
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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The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82