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(54) Air conditioner

(57) The present invention provides an air conditioner including a case, a compressor provided in the case, an evaporator, a condenser, an air duct system for heat ventilation or air refrigeration selectively, and piping members used thereof. The said compressor is positioned at the bottom of the case, and the said evaporator and condenser are mounted above the compressor side by side. The said air duct system is provided in the top of the case. On each side of the said case there are cooled air outlet for evaporator and heated air outlet for condenser. The air conditioner is convenient to use and a 4-way solenoid valve and repeated piping members, regularly used for transition between heating and cooling, are left out. The air conditioner provided by this invention is in a structure type of single refrigeration, but has function of cooling and heating.

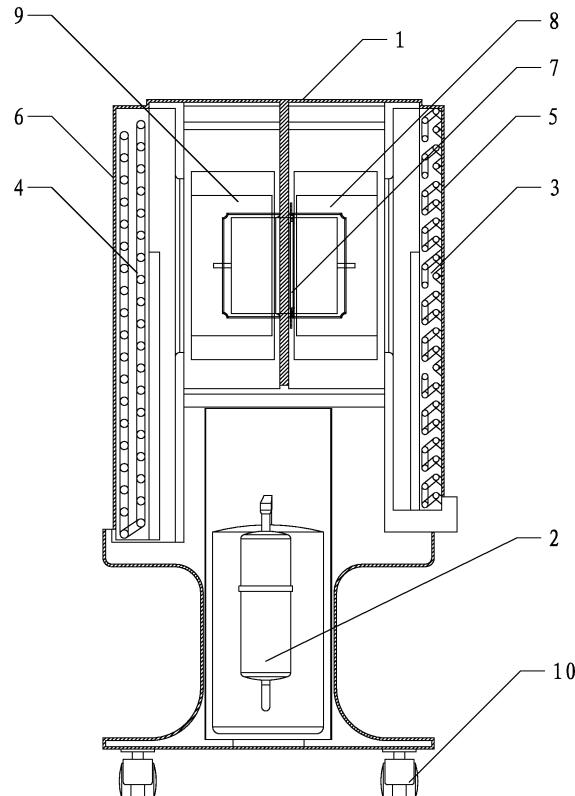


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
2	Place of search	Date of completion of the search	Examiner
	The Hague	16 September 2009	González-Granda, C
CATEGORY OF CITED DOCUMENTS		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	
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			

**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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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