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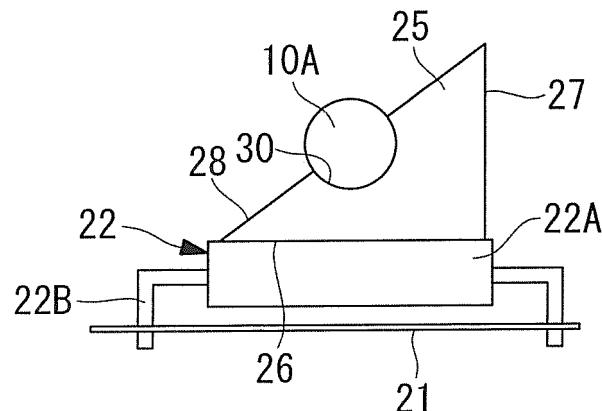
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(54) **CONTROLLER PROVIDED WITH HEATING ELECTRONIC COMPONENTS, AND AIR CONDITIONER**

(57) An object of the invention is to provide a controller in which the number of mounting holes on a substrate side is reduced to suppress reduction in a pattern width, and workability during substrate installation can be improved, and an air conditioner comprising the same. The controller includes a block 25 made of a heat transfer material; and heating electronic components 22, 23 and 24 that are mounted on a substrate 21, and are fixed in

contact with the block 25. The block 25 includes at least two surfaces including a first surface 26 located along the substrate 21, and a second surface 27 intersecting with the first surface 26. One part of the electronic components is dispersed and disposed on the first surface 26. At least one SIP type electronic components 23 and 24 of the electronic components is dispersed and disposed on the second surface 27.

FIG. 7B





## PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 15 17 4997

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under Rule 62a and/or 63 of the European Patent Convention.  
 This report shall be considered, for the purposes of  
 subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
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25 A, P	EP 2 844 050 A1 (DAIKIN IND LTD [JP]) 4 March 2015 (2015-03-04) * paragraph [0045] - paragraph [0052]; figures 3-7 *	1-7	
30 A	EP 2 314 940 A1 (DAIKIN IND LTD [JP]) 27 April 2011 (2011-04-27) * paragraph [0029] - paragraph [0037]; figures 2-3 *	1-7,11 -/-	TECHNICAL FIELDS SEARCHED (IPC) F24F H01L
INCOMPLETE SEARCH			
35	The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.		
40	Claims searched completely :		
45	Claims searched incompletely :		
50	Claims not searched :		
55	Reason for the limitation of the search: see sheet C		
1	Place of search Munich	Date of completion of the search 7 March 2016	Examiner Anconetani, Mirco
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			



## PARTIAL EUROPEAN SEARCH REPORT

**Application Number**

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**INCOMPLETE SEARCH  
SHEET C**

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EP 15 17 4997

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Claim(s) completely searchable:  
1-7, 11

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Claim(s) not searched:  
8-10

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Reason for the limitation of the search:

The search has been restricted to the subject-matter indicated by the applicant in his letter of 5th January 2016 filed in reply to the invitation pursuant to Rule 62a(1) EPC. Hence, the search report has been drawn up on the basis of independent claim 1 and the claims dependent thereon.

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 15 17 4997

5 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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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82