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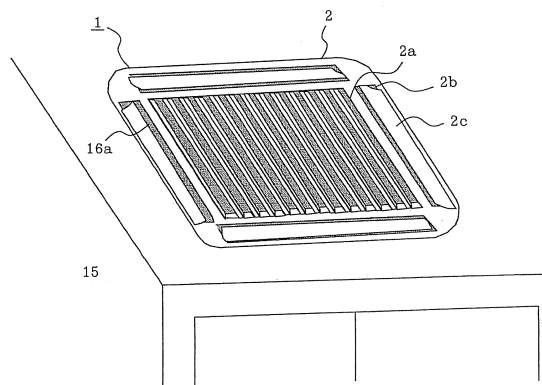
(54) **Ceiling-embedded-type air conditioning apparatus**

(57) To obtain a highly reliable and low-noise ceiling-embedded-type air conditioning apparatus capable of preventing damaging of a motor by improving the motor cooling efficiency.

On the motor side of a downward-protruding hub 3c covering the motor 4 and fixing the rotary shaft 4a of the motor 4 in place, an air guiding cover 18 for forming a motor-side air passage 3f between the air guiding cover and the motor 4 and for guiding air flown into the motor-side air passage 3f from a gap formed between a chassis top panel 1b and a main plate 3b toward the motor 4.

The air guiding cover 18 includes a circumferential surface portion 18c extending downward from the main plate 3b side. The air guiding cover 18 is formed so that the height position of the lower edge opening 18b of the circumferential surface portion 18c is lower than the height of a lower edge surface 4b of the motor 4. The hub 3c includes a plurality of openings 3d for letting air flown out from the lower edge opening 18b of the air guiding cover 18 into a gap between the air guiding cover 18 and the hub 3c to flow to a fan inner air passage 3e.

FIG. 1





## EUROPEAN SEARCH REPORT

Application Number  
EP 11 17 7128

DOCUMENTS CONSIDERED TO BE RELEVANT			
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)
			F24F F04D H02K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 16 April 2014	Examiner González-Granda, C
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

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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.  
The members are as contained in the European Patent Office EDP file on  
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