



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
05.09.2007 Bulletin 2007/36

(51) Int Cl.:
F24F 11/00 (2006.01)

(43) Date of publication A2:
25.07.2007 Bulletin 2007/30

(21) Application number: **06123376.3**

(22) Date of filing: **02.11.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

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(30) Priority: **20.01.2006 KR 20060006266**

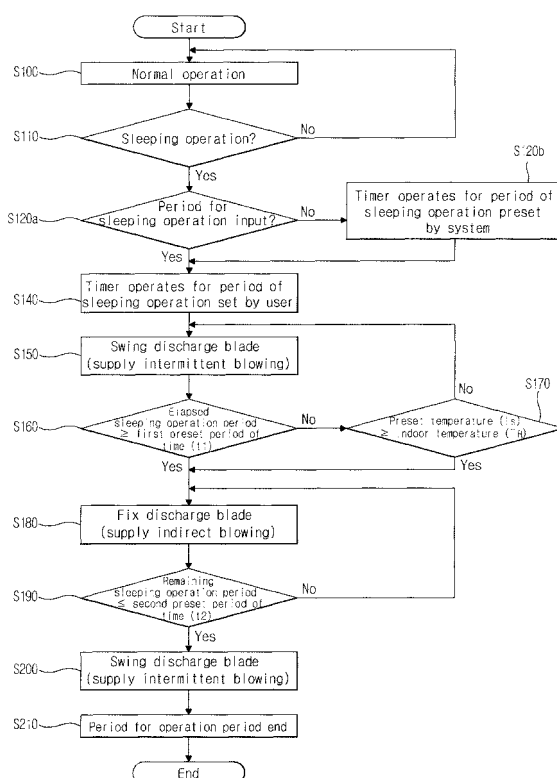
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(54) **Method of controlling blowing direction in sleeping operation mode of air conditioner**

(57) Disclosed herein is a method of controlling a blowing direction in a sleeping operation of an air conditioner. The air conditioner comprises a main body having at least one discharge port through which heat-exchanged air is discharged. The method comprises determining whether or not a current operation mode is the sleeping operation, determining whether or not a sleeping operation period is input if it is determined that the current operation mode is the sleeping operation, and controlling flow of air discharged through the discharge port according to subdivided modes of the sleeping operation if it is determined that the sleeping operation period is input, the subdivided modes comprising an initial sleeping mode corresponding to an initial stage of the sleeping operation, an in-sleeping mode corresponding to a middle stage of the sleeping operation, and an awaking operation corresponding to a final stage of the sleeping operation.

Fig.4





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EUROPEAN SEARCH REPORT

Application Number
EP 06 12 3376

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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D,A	KR 2002 002 796 A (LG ELECTRONICS INC [KR]) 10 January 2002 (2002-01-10) * the whole document *	1	
A	JP 63 243650 A (MATSUSHITA ELECTRIC IND CO LTD) 11 October 1988 (1988-10-11) * the whole document * * abstract *	1	TECHNICAL FIELDS SEARCHED (IPC) F24F
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 3 May 2007	Examiner Lienhard, Dominique
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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EPO FORM 1503 03/02 (P04/C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-7



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-7

Method of controlling a blowing direction in a sleeping mode operation of an air conditioner performing a swing operation in a sleeping operation period and performing a fixing operation to fix the discharge blade after the sleeping operation period has elapsed.

2. claims: 8-11

Method of controlling a blowing direction in a sleeping mode operation of an air conditioner controlling flow of air discharged through a discharge port according to subdivided modes comprising an initial sleeping mode, an in-sleeping mode and an awaking mode.

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

EP 06 12 3376

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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03-05-2007

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