



(11)

EP 2 354 691 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.12.2014 Bulletin 2014/51

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

(43) Date of publication A2:
10.08.2011 Bulletin 2011/32

(21) Application number: **10009043.0**(22) Date of filing: **31.08.2010**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO SE SI SK SM TR**
Designated Extension States:
BA ME RS

(30) Priority: 18.01.2010 JP 2010007988

(71) Applicant: **Mitsubishi Electric Corporation**
Tokyo 100-8310 (JP)

(72) Inventors:
• **Aoki, Masanori**
Chiyoda-ku
Tokyo 102-0073 (JP)

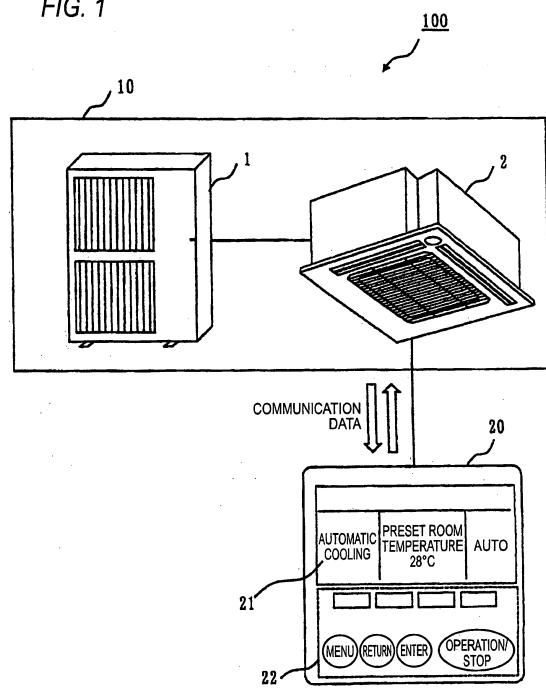
- **Kumashiro, Yasuhito**
Chiyoda-ku
Tokyo 102-0073 (JP)
- **Matsunaga, Naoya**
Chiyoda-ku
Tokyo 102-0073 (JP)
- **Marumatsu, Hidetoshi**
Chiyoda-ku
Tokyo 102-0073 (JP)
- **Kuwabara, Yasushi**
Chiyoda-ku
Tokyo 100-8310 (JP)

(74) Representative: **Pfenning, Meinig & Partner GbR**
Patent- und Rechtsanwälte
Theresienhöhe 11a
80339 München (DE)

(54) **Air conditioner**

(57) An air conditioner is provided. The air conditioner includes an air conditioner main unit including at least one indoor unit and an outdoor unit and a remote controller, wherein the at least one indoor unit includes a representative indoor unit, wherein the outdoor unit collects a power consumption calculated by the at least one indoor unit and totalizes a power consumption calculated by the outdoor unit and the collected power consumption, thereby obtaining a total power consumption, and transmits the total power consumption to the representative indoor unit, wherein the representative indoor unit integrates the total power consumption and calculates an amount of power consumption, and transmits the amount of power consumption to the remote controller, and wherein the amount of power consumption is converted into an amount of CO₂ emission, and the amount of CO₂ emission is displayed.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 10 00 9043

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	WO 2009/022453 A1 (DAIKIN IND LTD [JP]; TACHIKI HIROSHI [JP]; TANAKA MASAHIRO [JP]; KITAD) 19 February 2009 (2009-02-19) * paragraph [0035] - paragraph [0104]; figures 1-4 *	1-7	INV. F24F11/00
X	JP 2000 274778 A (MATSUSHITA ELECTRIC IND CO LTD) 6 October 2000 (2000-10-06) * paragraph [0016] - paragraph [0043]; figures 1-7 *	1	
A	JP 2007 278696 A (TOSHIBA CARRIER KK) 25 October 2007 (2007-10-25) * abstract; figure 1 *	1-7	
A	US 2004/011066 A1 (SUGIHARA YOSHIBUMI [JP] ET AL) 22 January 2004 (2004-01-22) * abstract; figures *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24F
The present search report has been drawn up for all claims			
1	Place of search Munich	Date of completion of the search 11 November 2014	Examiner González-Granda, C
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	
EPO FORM 1503/03 82 (P04C01)			

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

EP 10 00 9043

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.

11-11-2014

10

	Patent document cited in search report	Publication date		Patent family member(s)	Publication date
15	WO 2009022453 A1	19-02-2009	AU CN EP JP US WO	2008288065 A1 101779086 A 2180270 A1 2009063285 A 2011209487 A1 2009022453 A1	19-02-2009 14-07-2010 28-04-2010 26-03-2009 01-09-2011 19-02-2009
20	JP 2000274778 A	06-10-2000		NONE	
25	JP 2007278696 A	25-10-2007	JP JP	4538659 B2 2007278696 A	08-09-2010 25-10-2007
30	US 2004011066 A1	22-01-2004	JP JP US	3783859 B2 2004053127 A 2004011066 A1	07-06-2006 19-02-2004 22-01-2004
35					
40					
45					
50					
55	EPO FORM P0459	For more details about this annex : see Official Journal of the European Patent Office, No. 12/82			