



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
23.04.2014 Bulletin 2014/17

(51) Int Cl.:
F24F 13/20 ^(2006.01) **F24F 1/32** ^(2011.01)
F24F 13/30 ^(2006.01)

(43) Date of publication A2:
19.06.2013 Bulletin 2013/25

(21) Application number: **12196812.7**

(22) Date of filing: **12.12.2012**

(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 RS SE SI SK SM TR**
Designated Extension States:
BA ME

- **Okada, Yuji**
Tokyo, 108-8215 (JP)
- **Mori, Hironori**
Tokyo, 108-8215 (JP)
- **Nisida, Yasuhiro**
Nagoya-shi, Aichi, 453-0862 (JP)
- **Yamami, Koji**
Nagoya-shi, Aichi, 450-0003 (JP)

(30) Priority: **16.12.2011 JP 2011275979**

(71) Applicant: **mitsubishi heavy industries, ltd.**
Tokyo 108-8215 (JP)

(74) Representative: **Intès, Didier Gérard André et al**
Cabinet Beau de Loménie
158, rue de l'Université
75340 Paris Cedex 07 (FR)

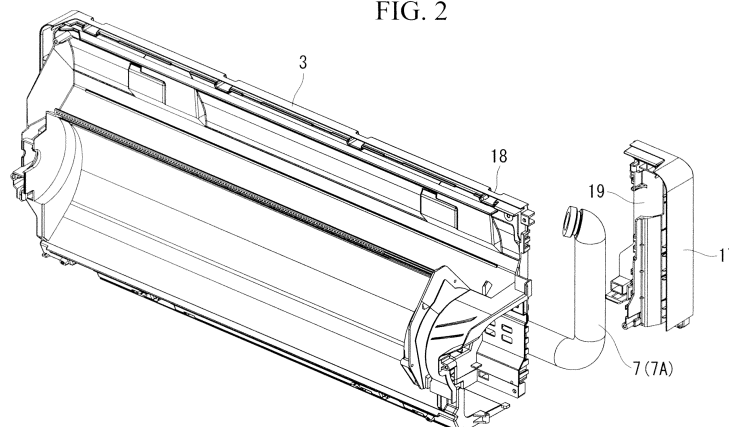
(72) Inventors:
• **Ito, Shingo**
Tokyo, 108-8215 (JP)

(54) **Wall-hanging air conditioner**

(57) Provided is a wall-hanging air conditioner capable of improving the assembling workability of a heat exchanger on a base body and securing a sufficient strength of the base body. The wall-hanging air conditioner includes a base body (3) to be assembled with a heat exchanger, an air blower, and the like. A refrigerant pipe (7) extended from the heat exchanger assembled on the inner side of the base body (3) is extracted to the rear

surface side of the base body (3) and the refrigerant pipe (7) is disposed along the rear surface of the base body (3). The base body (3) is separable in a longitudinal direction at a portion penetrated through by the refrigerant pipe (7) and divisible in right and left portions, and a divisible side pipe cover (17) is detachably/attachably mounted on the base body (3).

FIG. 2





EUROPEAN SEARCH REPORT

Application Number
EP 12 19 6812

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP 2011 052874 A (SANYO ELECTRIC CO) 17 March 2011 (2011-03-17) * paragraph [0013] - paragraph [0019]; figures 1-4 * * abstract *	1-3	INV. F24F13/20 F24F1/32 F24F13/30
X,D	----- JP 2005 188831 A (TOSHIBA CARRIER KK) 14 July 2005 (2005-07-14) * paragraph [0010] - paragraph [0029]; figures 1-12 * -----	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 March 2014	Examiner Vuc, Arianda
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			

1

EPO FORM 1503 03.82 (P04C01)

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

EP 12 19 6812

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.

17-03-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2011052874 A	17-03-2011	NONE	

JP 2005188831 A	14-07-2005	JP 4377678 B2	02-12-2009
		JP 2005188831 A	14-07-2005
