



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**11.04.2018 Bulletin 2018/15**

(51) Int Cl.:  
**F24F 5/00 (2006.01)**

(43) Date of publication A2:  
**17.10.2012 Bulletin 2012/42**

(21) Application number: **1200239.7**

(22) Date of filing: **28.03.2012**

(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**

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

(72) Inventor: **Yosomiya, Masato**  
**Tokyo 100-8310 (JP)**

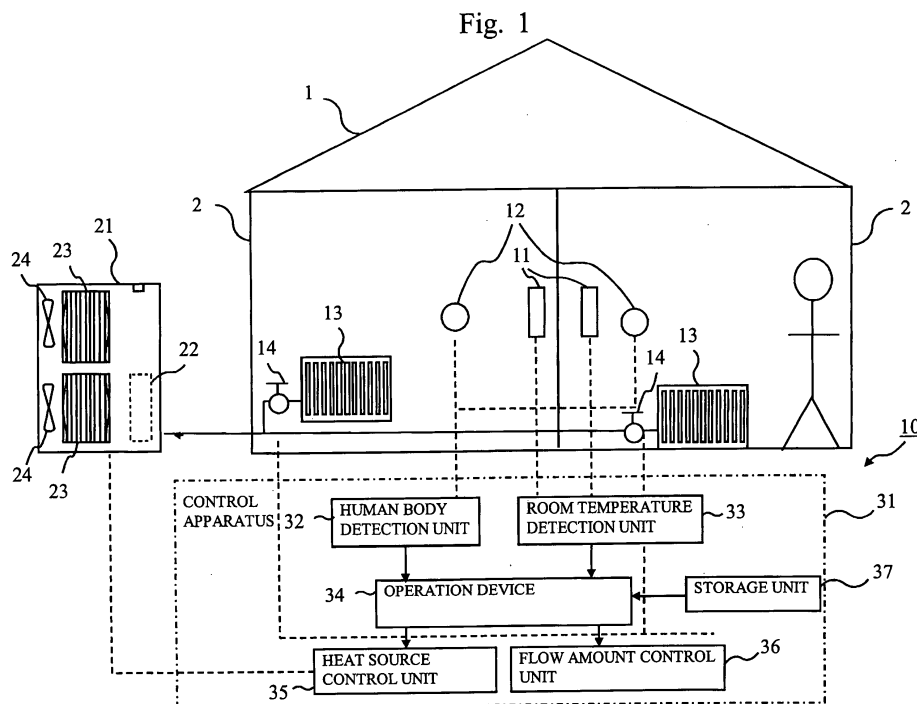
(30) Priority: **11.04.2011 JP 2011086959**

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

(54) **Air conditioning system and air conditioning method**

(57) A storage unit 37 of a control apparatus 31 stores the first temperature set in advance and the second temperature set to be lower than the first temperature, for each space 2. An operation device 34 of the control apparatus 31 controls at least one of an amount of heating of a fluid by a heat source unit 21 and an amount of flow of the fluid into a radiator 13 so that when a human body

is detected by a human detection sensor 12, a temperature to be measured by a room temperature sensor 11 becomes the first temperature, and when no human body is detected by the human detection sensor 12, the temperature to be measured by the room temperature sensor becomes the second temperature.





EUROPEAN SEARCH REPORT

Application Number  
EP 12 00 2239

5

10

15

20

25

30

35

40

45

50

55

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 2008 045812 A (NIPPON SUTEIIBERU KK) 28 February 2008 (2008-02-28)	1,8,14	INV. F24F5/00
Y	* paragraph [0011] - paragraph [0034]; claims 1-4 *	2-7,9-13	
X,D	JP 2001 235218 A (SANYO ELECTRIC CO) 31 August 2001 (2001-08-31)	1,14	
Y	* paragraph [0012] - paragraph [0035]; claims 1-7 *	2-7,9-13	
A	JP H07 158927 A (TOSHIBA CORP) 20 June 1995 (1995-06-20)	2-7,9-13	
A	US 2009/032605 A1 (SULLIVAN DANIEL J [US] ET AL) 5 February 2009 (2009-02-05)	1-14	TECHNICAL FIELDS SEARCHED (IPC) F24F
A	* the whole document *	1-14	
A	JP 2006 010267 A (HANSHIN ELECTRICS) 12 January 2006 (2006-01-12)	1-14	
A	* the whole document *	1-14	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 28 February 2018	Examiner Djemour, Anna
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 03.02 (P04C01)

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

EP 12 00 2239

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.

28-02-2018

10

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2008045812 A	28-02-2008	NONE	
JP 2001235218 A	31-08-2001	NONE	
JP H07158927 A	20-06-1995	NONE	
US 2009032605 A1	05-02-2009	CN 101359231 A US 2009032605 A1 US 2015176855 A1 US 2017089604 A1	04-02-2009 05-02-2009 25-06-2015 30-03-2017
JP 2006010267 A	12-01-2006	NONE	

15

20

25

30

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