



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.01.2011 Bulletin 2011/04

(51) Int Cl.:
F04C 18/02 ^(2006.01) **F04C 23/00** ^(2006.01)
F04C 28/00 ^(2006.01)

(43) Date of publication A2:
18.01.2006 Bulletin 2006/03

(21) Application number: **05015025.9**

(22) Date of filing: **11.07.2005**

(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

(72) Inventors:
• **Ogawa, Masanori**
Kusatsu-shi
Shiga 525-0023 (JP)
• **Yoshitsubaki, Norifumi**
Otsu-shi
Shiga 520-2144 (JP)

(30) Priority: **15.07.2004 JP 2004208165**

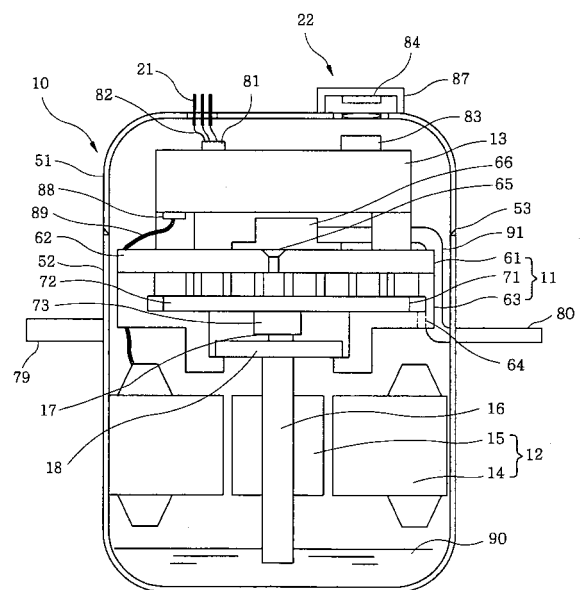
(71) Applicant: **Panasonic Corporation**
Kadoma-shi
Osaka 571-8501 (JP)

(74) Representative: **Eisenführ, Speiser & Partner**
Postfach 31 02 60
80102 München (DE)

(54) **Sealed type electric compressor**

(57) A sealed type electric compressor includes a sealed vessel (51,52); a compressor unit (11); a motor (12); and a motor driving module (13) having a power unit (131) and a control unit (132), for operating the motor (12), wherein the compressor unit (11), the motor (12) and the motor driving module (13) are accommodated in the sealed vessel. The sealed type electric compressor allows the size of an outdoor unit to be reduced by accommodating the motor driving unit in the sealed vessel and reliably performs a signal transmitting/receiving operation to/from an exterior.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 05 01 5025

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,P	JP 2004 232523 A (DAIKIN IND LTD) 19 August 2004 (2004-08-19) * abstract; figure 1 *	1,7	INV. F04C18/02 F04C23/00 F04C28/00
X	EP 1 209 363 A1 (VALEO CLIMATISATION [FR]) 29 May 2002 (2002-05-29) * paragraph [0007] - paragraph [0013]; figures 1-4 *	1,7	
X	US 2001/048285 A1 (FURUKAWA HIDEHARU [US] ET AL) 6 December 2001 (2001-12-06) * paragraph [0009] - paragraph [0012]; figures 2,3 *	1,7	
X	US 4 791 329 A (UBUKATA SUSUMU [JP] ET AL) 13 December 1988 (1988-12-13) * column 1 - column 2; figures 1, 2, 6 *	1,7	
X	US 5 118 260 A (FRASER JR HOWARD H [US]) 2 June 1992 (1992-06-02) * column 2; figures 1,2,3 *	1,7	
A,D	JP 2002 174178 A (SANDEN CORP) 21 June 2002 (2002-06-21) * the whole document *	1-7	TECHNICAL FIELDS SEARCHED (IPC) F04C F04B F04D H05K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 December 2010	Examiner Alquezar Getan, M
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	

6
EPO FORM 1503 03.02 (P04C01)

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

EP 05 01 5025

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.

13-12-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2004232523 A	19-08-2004	JP 4259126 B2	30-04-2009
EP 1209363 A1	29-05-2002	DE 60108593 D1	03-03-2005
		DE 60108593 T2	23-03-2006
		FR 2817300 A1	31-05-2002
		JP 2002206481 A	26-07-2002
		US 2002062655 A1	30-05-2002
US 2001048285 A1	06-12-2001	CN 1328213 A	26-12-2001
		JP 3600781 B2	15-12-2004
		JP 2001352716 A	21-12-2001
US 4791329 A	13-12-1988	NONE	
US 5118260 A	02-06-1992	NONE	
JP 2002174178 A	21-06-2002	DE 10147464 A1	02-05-2002
		FR 2814783 A1	05-04-2002
		JP 3976512 B2	19-09-2007
		US 2002039532 A1	04-04-2002

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82