



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 475 591 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**25.10.2006 Bulletin 2006/43**

(51) Int Cl.:  
**F25D 27/00** (2006.01) **F25D 17/08** (2006.01)  
**F21V 29/00** (2006.01) **F25D 21/04** (2006.01)

(43) Date of publication A2:  
**10.11.2004 Bulletin 2004/46**

(21) Application number: **04101316.0**

(22) Date of filing: **31.03.2004**

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

(72) Inventors:  
• **Chae, Jong-Eun**  
**Buk-ku**  
**Kwangju City (KR)**  
• **Shin, Youn-Tae**  
**Kwangju City (KR)**

(30) Priority: **09.05.2003 KR 2003029427**

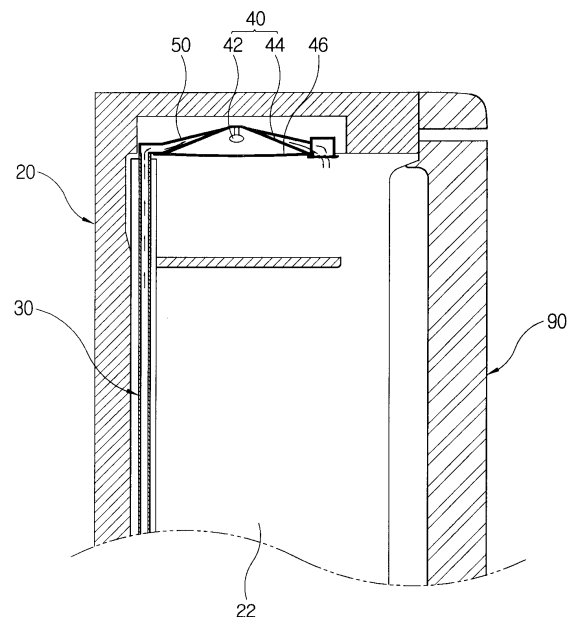
(74) Representative: **Read, Matthew Charles et al**  
**Venner Shipley LLP**  
**20 Little Britain**  
**London EC1A 7DH (GB)**

(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**  
**Gyeonggi-do,**  
**442-742 Suwon-si (KR)**

(54) **REFRIGERATOR**

(57) A refrigerator comprises a main body (20) formed with a storing compartment (22); a first cool air duct (30) provided in a rear of the main body (20); a lamp unit (40) which is mounted in an upper part of the main body and provided with a lamp (42) and a lamp case (44); and a second cool air duct (50) which is formed in an upper part of the lamp case to communicate with the first cool air duct (30) and allows a cool air flowing through the first cool air duct (30) to flow out toward a front of the storing compartment (22) of the main body (20).

**FIG. 2**



**EP 1 475 591 A3**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 04 10 1316

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	PATENT ABSTRACTS OF JAPAN vol. 017, no. 534 (M-1486), 27 September 1993 (1993-09-27) -& JP 05 141864 A (SANYO ELECTRIC CO LTD), 8 June 1993 (1993-06-08) * abstract; figures 3,4 *	1-28	INV. F25D27/00 F25D17/08 F21V29/00  ADD. F25D21/04
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 10, 10 October 2002 (2002-10-10) -& JP 2002 168560 A (SANYO ELECTRIC CO LTD), 14 June 2002 (2002-06-14) * abstract; figures 3,4 *	1-4, 10-12, 24,27	
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 228 (M-1123), 11 June 1991 (1991-06-11) -& JP 03 067982 A (SANYO ELECTRIC CO LTD), 22 March 1991 (1991-03-22) * abstract; figures 5,16 *	1,10,11, 23,26	
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 06, 22 September 2000 (2000-09-22) -& JP 2000 088452 A (TOSHIBA CORP), 31 March 2000 (2000-03-31) * abstract; figures 1,2,6 *	1,4,10, 11	TECHNICAL FIELDS SEARCHED (IPC) F25D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 September 2006	Examiner Yousufi, Stefanie
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

2  
EPO FORM 1503 03.82 (P04C01)

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

EP 04 10 1316

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.

18-09-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 05141864	A	08-06-1993	JP 3187890 B2	16-07-2001
JP 2002168560	A	14-06-2002	NONE	
JP 03067982	A	22-03-1991	NONE	
JP 2000088452	A	31-03-2000	NONE	