



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
28.03.2007 Bulletin 2007/13

(51) Int Cl.:
F25D 25/02 (2006.01) A47B 88/18 (2006.01)

(43) Date of publication A2:
01.02.2006 Bulletin 2006/05

(21) Application number: **05007839.3**

(22) Date of filing: **09.04.2005**

(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 MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR LV MK YU

- **Jeong, Kyung-Han**
Seoul (KR)
- **Chung, Sung-Hoon**
Seoul (KR)
- **Lee, Myung-Ryul**
Bundang-Gu
Seongnam
Gyeonggi-Do (KR)

(30) Priority: **29.07.2004 KR 2004059928**

(71) Applicant: **LG ELECTRONICS INC.**
Seoul (KR)

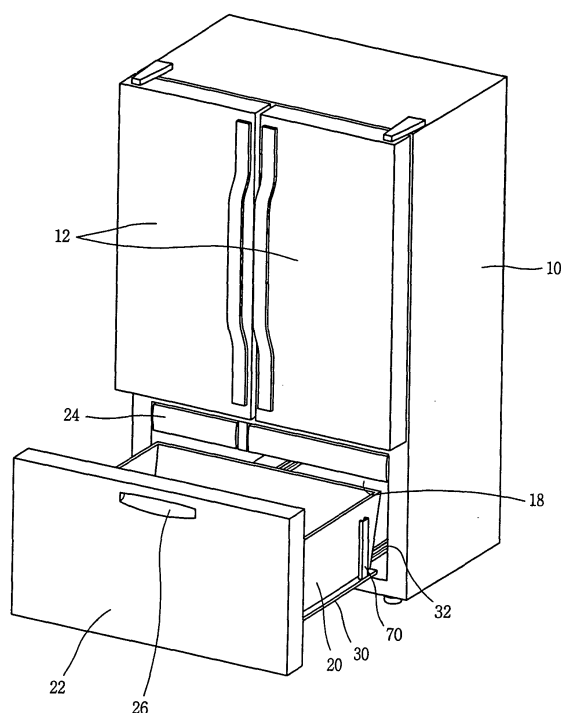
(72) Inventors:
• **Oh, Seung-Hwan**
Gunpo
Gyeonggi-Do (KR)

(74) Representative: **Schippan, Ralph**
COHAUSZ & FLORACK
Patent- und Rechtsanwälte
Bleichstrasse 14
40211 Düsseldorf (DE)

(54) **Refrigerator with bottom drawer having basket lift device**

(57) A refrigerator includes a main body (10) having at least a lower cooling chamber (18) disposed at a lower portion of the main body (10), a base frame (30) disposed to be movable in inward/outward directions at the lower cooling chamber (18) and having a drawer door (22) at a front side thereof, a lift frame (36) disposed at an upper surface of the base frame (30), on which a basket (20) is placed, a gas spring (38) mounted vertically at an upper surface of the base frame (30) and connected with the lift frame (36) for lifting the lift frame (36), and lift rails (40) at a rear side of the drawer door (22) and guiding the lift frame (36) to be moved up and down.

FIG. 3





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 00 7839

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2004/100168 A1 (CHOI CHANG-BONG) 27 May 2004 (2004-05-27) * the whole document *	1	INV. F25D25/02 A47B88/18
P,A	GB 2 406 633 A (* LG ELECTRONICS INC) 6 April 2005 (2005-04-06) * page 7, line 17 - page 8, line 27; figure 3 *	1,2	
A	US 3 246 939 A (PETKWITZ CARL F ET AL) 19 April 1966 (1966-04-19) * the whole document *	1	
A	DE 297 01 227 U1 (TIAW THUERINGER INSTITUT FUER AKADEMISCHE WEITERBILDUNG EV, 99084 ERFU) 30 April 1997 (1997-04-30) * page 4, line 1 - line 32; figures 1,3 *	1	
A	WO 01/71263 A (MO-EL S.R.L; BERTANI, CARLO) 27 September 2001 (2001-09-27) * page 11, line 17 - page 12, line 1; figure 9 *	1	TECHNICAL FIELDS SEARCHED (IPC)
A	US 5 586 816 A (GEISS, II ET AL) 24 December 1996 (1996-12-24) * abstract; figure 1 *	1	F25D A47B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 16 February 2007	Examiner Jessen, Flemming
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 05 00 7839

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.

16-02-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004100168 A1	27-05-2004	KR 20040039747 A MX PA03010063 A	12-05-2004 15-10-2004
GB 2406633 A	06-04-2005	AU 2004216654 A1 CA 2483740 A1 KR 20050033107 A MX PA04009676 A US 2005073225 A1	21-04-2005 04-04-2005 12-04-2005 06-04-2005 07-04-2005
US 3246939 A	19-04-1966	NONE	
DE 29701227 U1	30-04-1997	NONE	
WO 0171263 A	27-09-2001	AU 3833900 A	03-10-2001
US 5586816 A	24-12-1996	NONE	