



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
01.07.2015 Bulletin 2015/27

(51) Int Cl.:
F25D 17/06 (2006.01)

(43) Date of publication A2:
10.07.2013 Bulletin 2013/28

(21) Application number: **12183636.5**

(22) Date of filing: **10.09.2012**

(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

(30) Priority: **03.01.2012 TR 201200050**

(71) Applicant: **Indesit Company Beyaz Esgya Sanayi ve
Ticaret Anonim Sirketi
Manisa (TR)**

(72) Inventors:
• **Sabatini, Giorgio
ASCOLI PICENO (IT)**
• **Bilgin, Necati
IZMIR (TR)**
• **Gonulluleroglu, Tolga
?ZM?R (TR)**

(74) Representative: **Iskender, Ibrahim
Destek Patent, Inc.
Lefkose Cad. NM Ofis Park
B Block No: 36/5 Besevler
16110 Bursa (TR)**

(54) **A refrigerator**

(57) The invention is a no-frost refrigerator which comprises freezer and cooler sections (5,6), fan motor and propeller (1) providing the air flow, evaporator which provides cold air by providing the heat transfer from the air in the refrigerator to the cooler gas and it also comprises freezer section air suction channel (3), where the air that is heated after cooling the said freezer section (5), is sucked again and drawn back to the evaporator (2) by fan motor and propeller (1) for being cooled and cooler section air suction channel (4), where the air that is heated after cooling the said cooler section (6), is sucked again and drawn back to the evaporator (2) by fan motor and propeller (1) for being cooled, both of which are used for conveying the air in the said freezer and cooler sections (5,6) to the evaporator (2) and which are positioned one under the other in a parallel manner. The freezer and cooler section air suction channels (3,4) are provided in the partition block (7) made of EPS material.

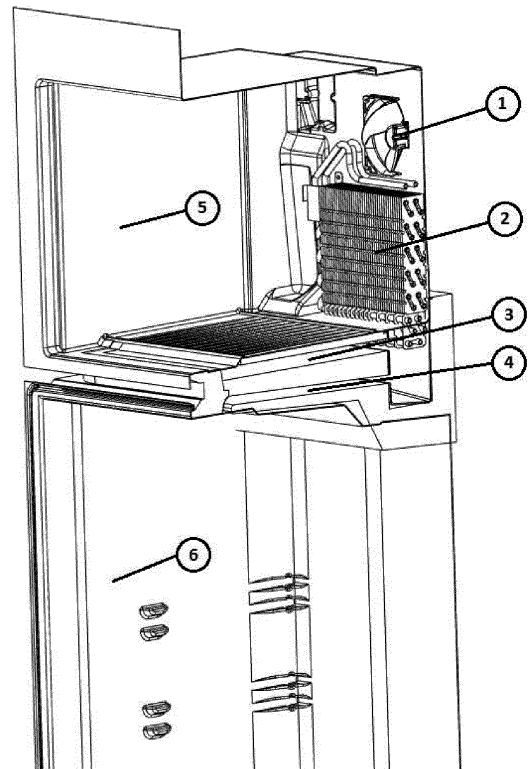


Figure 2



EUROPEAN SEARCH REPORT

Application Number
EP 12 18 3636

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	US 4 543 799 A (HORVAY JULIUS B [US] ET AL) 1 October 1985 (1985-10-01) * column 2, line 27 - column 3, line 58; figures 2,3 *	1,2	INV. F25D17/06
X	US 4 614 092 A (KIM DAL W [KR] ET AL) 30 September 1986 (1986-09-30) * figures 4,6 *	1,2	
X	US 5 899 089 A (KWON HYUK-JANG [KR]) 4 May 1999 (1999-05-04) * figures 3,4 *	1,2	
X	EP 0 592 004 A1 (DAEWOO ELECTRONICS CO LTD [KR]) 13 April 1994 (1994-04-13) * figure 2 *	1,2	
X	US 5 735 138 A (PARK SUCK HAONG [KR] ET AL) 7 April 1998 (1998-04-07) * figure 16 *	1,2	
X	WO 99/42770 A1 (MATSUSHITA REFRIGERATION [JP]; HYODOU AKIRA [JP]; KIMURA YOSHITO [JP]) 26 August 1999 (1999-08-26) * figure 1 *	1,2	TECHNICAL FIELDS SEARCHED (IPC) F25D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 May 2015	Examiner Salaün, Eric
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 18 3636

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.

22-05-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4543799 A	01-10-1985	CA 1245063 A1	22-11-1988
		DE 3529545 A1	27-02-1986
		FR 2569470 A1	28-02-1986
		GB 2163540 A	26-02-1986
		IT 1184837 B	28-10-1987
		JP H0578751 B2	29-10-1993
		JP S6183860 A	28-04-1986
		PH 23001 A	24-02-1989
		US 4543799 A	01-10-1985
US 4614092 A	30-09-1986	DE 3324623 A1	12-01-1984
		IT 1194579 B	22-09-1988
		JP S5972475 U	17-05-1984
		US 4614092 A	30-09-1986
US 5899089 A	04-05-1999	CN 1204040 A	06-01-1999
		JP 4057117 B2	05-03-2008
		JP H1123130 A	26-01-1999
		US 5899089 A	04-05-1999
EP 0592004 A1	13-04-1994	AU 663006 B2	21-09-1995
		AU 4894893 A	28-04-1994
		CN 1085650 A	20-04-1994
		DE 69307078 D1	13-02-1997
		DE 69307078 T2	17-04-1997
		EP 0592004 A1	13-04-1994
		JP 3073636 B2	07-08-2000
		JP H06194022 A	15-07-1994
		TW 233338 B	01-11-1994
		US 5433086 A	18-07-1995
US 5735138 A	07-04-1998	AU 2937095 A	16-02-1996
		DE 19524845 A1	25-01-1996
		IT RM950466 A1	19-01-1996
		US 5735138 A	07-04-1998
		WO 9602800 A1	01-02-1996
WO 9942770 A1	26-08-1999	AU 2546899 A	06-09-1999
		CN 1291277 A	11-04-2001
		CN 1570526 A	26-01-2005
		DE 69911925 D1	13-11-2003
		DE 69911925 T2	09-09-2004
		EP 1056979 A1	06-12-2000
		JP 2002504661 A	12-02-2002
		KR 100381684 B1	26-04-2003
		TW 446106 U	11-07-2001

EPO FORM P0459

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

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

EP 12 18 3636

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.

22-05-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 6327867 B1	11-12-2001
		WO 9942770 A1	26-08-1999

EPO FORM P0459

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