(11) **EP 2 843 329 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 11.11.2015 Bulletin 2015/46

(51) Int Cl.: **F25D 23/02** (2006.01)

(43) Date of publication A2: **04.03.2015 Bulletin 2015/10**

(21) Application number: 14181010.1

(22) Date of filing: 14.08.2014

(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: 29.08.2013 CN 201310386139

(71) Applicant: BSH Hausgeräte GmbH 81739 München (DE)

(72) Inventors:

- Ding, Yuan 214063 Wuxi (CN)
- Ding, Yulei
 210046 Nanjing (CN)
- Lin, Zhigang
 239000 Chuzhou (CN)
- Raab, Alfred 73460 Hüttlingen (DE)
- Song, Jicong 210046 Nanjing (CN)

(54) Door for refrigerator and refrigerator

(57)The present invention relates to a door for a refrigerator and a refrigerator. The door includes a door body (2) and a decorative panel (3) located in front of the door body (2). The door body includes: a door plate (21), the door plate (21) being made of a sheet metal and including a front plate (211) and a pair of side plates (212) that are bent and extend backwards separately from a corresponding longitudinal side of the front plate; a door liner (22) being spaced apart from the front plate, and connected to the side plates; and an upper end cover (23) and a lower end cover (24). According to the present invention, each of the upper end cover and the lower end cover includes a front connecting flange (231, 241) extending vertically and slots (232, 242) located at two ends thereof, an upper edge portion and a lower edge portion of the front plate are propped on the front connecting flange of the upper end cover and the front connecting flange of the lower end cover respectively, and an upper edge portion and a lower edge portion of each side plate are inserted into corresponding slots; and the decorative panel is adhered to the door body through a first adhering apparatus (6).

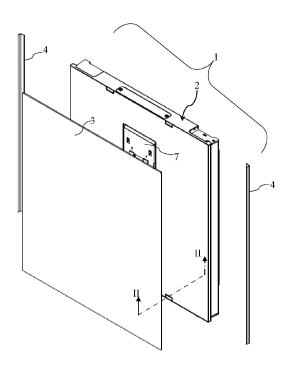


FIG. 2

EP 2 843 329 A3



EUROPEAN SEARCH REPORT

Application Number EP 14 18 1010

	DOCUMENTS CONSIDE	RED TO BE RELE	EVANT				
Category	Citation of document with in- of relevant passa		∍,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)		
Υ	7 October 2004 (2004)	194253 A1 (JUNG JAE-WOOK [KR]) 2004 (2004-10-07) 2004 [0042] - paragraph [0053] 25 3,4 * 252186 A1 (CROMPTON EDWARD [UStober 2008 (2008-10-16) 2004 [0019] - paragraph [0020]			INV. F25D23/02		
Υ	AL) 16 October 2008						
Υ	JP H02 50068 A (HIT, 20 February 1990 (19 * abstract * * figures 1-7 *			3-5			
Y,D	WO 2009/080494 A1 (HAUSGERAETE [DE]; SAMARIA [ES];) 2 July * page 6, line 7 - properties of the state of the	ADABA CHALEZQUEF 2009 (2009-07-0	ODSE 02)	9-12			
А	WO 2011/026817 A2 (KAHRAMAN SONER [TR] TOSUN MERT) 10 Marcl * abstract * * figures 1-8 *	; MOZA AHMET ONÚ	R [TR]; F25D		SEARCHED (IPC)		
A	JP 2003 014369 A (TO 15 January 2003 (200 * abstract * * figures 1-8 *		1-13				
A	DE 10 2011 005738 A HAUSGERAETE [DE]) 20 September 2012 (2 * abstract * * figures 1-3 *	•	MENS	1-13			
	The present search report has b	•					
	Place of search	Date of completion of			Examiner		
	The Hague	30 Septem			reia dos Reis, I		
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		E : ea afte er D : do L : do	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons				
O:non	-written disclosure rmediate document	& : me	& : member of the same patent family, corresponding document				

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

EP 14 18 1010

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.

30-09-2015

Publication date

14-10-2004
30-09-2004
07-10-2004

15-12-2010 14-01-2015 02-12-2010 07-07-2010

01-09-2010

04-07-2012

22-03-2010 27-01-2012

02-07-2009

30-05-2012

11-07-2012 10-03-2011

05-02-2003 15-01-2003 06-01-2003 21-08-2003

20-09-2012

22-01-2014 27-04-2015

20-09-2012

10				
	Patent document cited in search report		Publication date	Patent family member(s)
15	US 2004194253	A1	07-10-2004	JP 2004286435 A KR 20040082515 A US 2004194253 A1
	US 2008252186	A1	16-10-2008	NONE
	JP H0250068	Α	20-02-1990	NONE
25	WO 2009080494	A1	02-07-2009	CN 101918778 A CN 104279819 A DE 202008017933 U1 EP 2203700 A1 EP 2223030 A1 EP 2472206 A1 ES 2335170 A1 RU 2010128468 A WO 2009080494 A1
30	WO 2011026817	A2	10-03-2011	CN 102483289 A EP 2473803 A2 WO 2011026817 A2
35	JP 2003014369	Α	15-01-2003	CN 1395078 A JP 2003014369 A KR 20030001233 A TW 548391 B
40	DE 102011005738	A1	20-09-2012	CN 103443568 A DE 102011005738 A1 EP 2686626 A2 RU 2013141993 A WO 2012123247 A2
45				
50				
MOONED WE				

 $\stackrel{\bigcirc}{\mathbb{H}}$ For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

55