



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
19.04.2017 Bulletin 2017/16

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

(43) Date of publication A2:
02.07.2014 Bulletin 2014/27

(21) Application number: **13197775.3**

(22) Date of filing: **17.12.2013**

(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

(72) Inventors:
• **Ding, Yuan**
214063 Wuxi (CN)
• **Huang, Lulu**
239016 Chuzhou (CN)
• **Jia, Meijuan**
210000 Nanjing (CN)
• **Song, Jicong**
210046 Nanjing (CN)

(30) Priority: **28.12.2012 CN 201210585478**

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

(54) **Refrigerator**

(57) Disclosed is a refrigerator. The refrigerator (1) includes a storage chamber (2) having a side wall; a shelf assembly (3) including a rear shelf (30) and a front shelf (40), where the front shelf is movable between a retraction position below the rear shelf and an extending position protruding in front of the rear shelf, the rear shelf includes a carrying portion (301) and a side frame portion (302) connected to the carrying portion, and the side frame portion has a rear rail portion (323) for supporting the front shelf portion at the retraction position; and a

support unit (4), connected to the side wall (21) to support the shelf assembly, and including a rear supporting portion (42) for supporting the horizontally placed rear shelf, where the rear supporting portion (42) has a horizontal rear supporting surface (420). As suggested by the present invention, the rear supporting portion (42) is located between the side frame portion (302) and the side wall (21) and is covered by the side frame portion (302) in a direction perpendicular to the side wall (21).

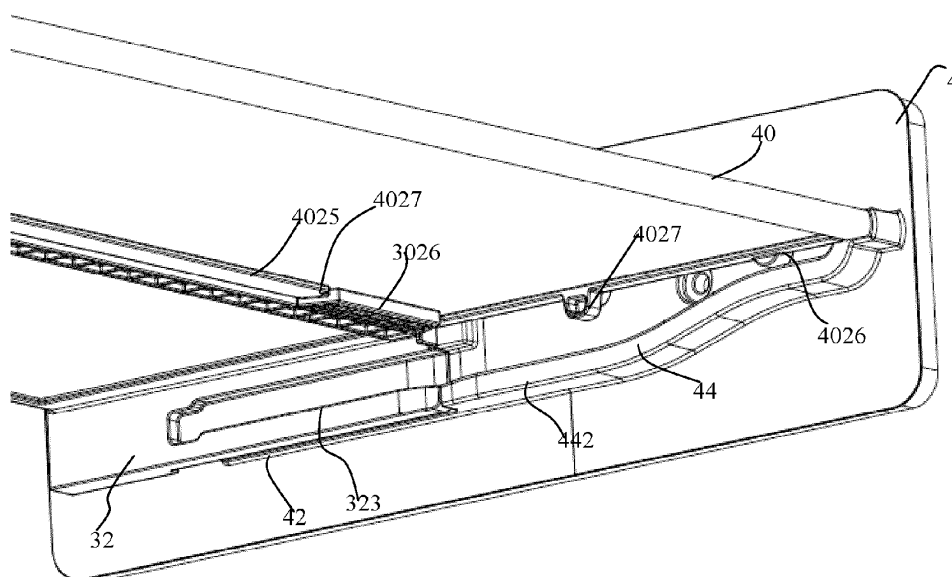


FIG. 7



EUROPEAN SEARCH REPORT

Application Number
EP 13 19 7775

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	DE 10 2010 029426 A1 (SAMSUNG ELECTRONICS CO LTD [KR]) 13 January 2011 (2011-01-13) * abstract; figures 1-7 *	2-12, 14, 15	INV. F25D25/02
X	US 2012/091084 A1 (AMARAL GUSTAVO GNOATTO [BR] ET AL) 19 April 2012 (2012-04-19) * abstract; figures 1-5 *	1, 13	
X	JP 2012 037158 A (TOSHIBA CORP; TOSHIBA CONSUMER ELECTRONICS HOLDINGS CORP; TOSHIBA HOME) 23 February 2012 (2012-02-23) * abstract; figures 1-10 *	1	
X	JP S59 56684 A (HITACHI LTD) 2 April 1984 (1984-04-02) * figures 1-12 *	1	
			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 9 March 2017	Examiner Bejaoui, Amin
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			

EPO FORM 1503 03/82 (P04C01)

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

EP 13 19 7775

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.

09-03-2017

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102010029426 A1	13-01-2011	DE 102010029426 A1	13-01-2011
		KR 20110002589 A	10-01-2011
		US 2011001415 A1	06-01-2011

US 2012091084 A1	19-04-2012	AU 2010237541 A1	13-10-2011
		BR MU8900569 U2	21-12-2010
		CN 102395849 A	28-03-2012
		EP 2419691 A2	22-02-2012
		KR 20120003486 A	10-01-2012
		RU 2011146314 A	27-05-2013
		US 2012091084 A1	19-04-2012
		WO 2010118492 A2	21-10-2010

JP 2012037158 A	23-02-2012	JP 5508986 B2	04-06-2014
		JP 2012037158 A	23-02-2012

JP S5956684 A	02-04-1984	NONE	
