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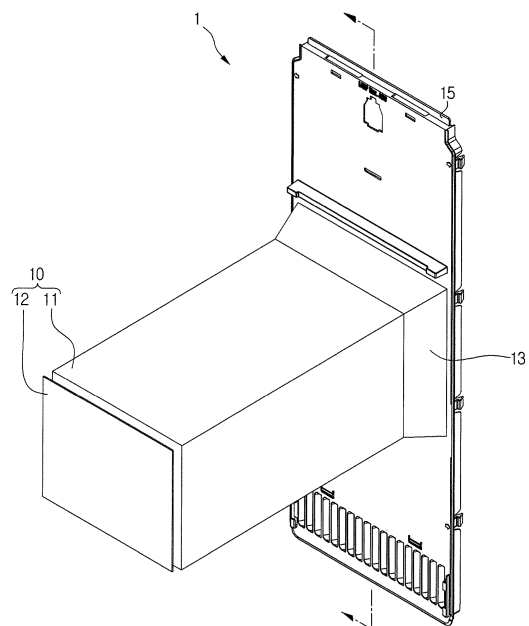
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(54) **Refrigerator**

(57) A refrigerator including a main body with a first storage compartment and a first evaporation compartment provided within the main body in order to cool the first storage compartment. The refrigerator also includes a second storage compartment independently provided in the first storage compartment and maintained at a temperature lower than a temperature of the first storage compartment; and a second evaporation compartment located at a rear side of the second storage compartment to cool the second storage compartment.

FIG.1



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EUROPEAN SEARCH REPORT

Application Number
EP 13 19 0125

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	WO 2007/074125 A1 (ARCELIK AS [TR]; DEMIRAY FATIH [TR]; OZER ARIF BILAL [TR]; KOCATURK SE) 5 July 2007 (2007-07-05)	1-3,8-13	INV. F25D17/06 F25D25/02
Y	* paragraphs [0002], [0018]; figure 1 *	4,6,7	F25D11/02 F25D11/04 F25D11/00
X	US 2010/126200 A1 (OH MIN KYU [KR] ET AL) 27 May 2010 (2010-05-27)	1,5,9-13	
Y	* paragraphs [0031] - [0033]; figure 2 *		
Y	US 2004/144127 A1 (JEONG GI JOONG [KR] ET AL) 29 July 2004 (2004-07-29)	4,6,7	
	* paragraphs [0036] - [0044]; figures 2, 3 *		
A	US 2012/304667 A1 (SHIN JAEHOON [KR] ET AL) 6 December 2012 (2012-12-06)	1-13	
	* figures 2-4 *		
			TECHNICAL FIELDS SEARCHED (IPC)
			F25D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		9 February 2015	Melo Sousa, Filipe
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			

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

EP 13 19 0125

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
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09-02-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007074125 A1	05-07-2007	TR 200804062 T1 WO 2007074125 A1	21-11-2008 05-07-2007
US 2010126200 A1	27-05-2010	KR 20100059441 A US 2010126200 A1 WO 2010062022 A2	04-06-2010 27-05-2010 03-06-2010
US 2004144127 A1	29-07-2004	CN 1517644 A EP 1441190 A2 KR 20040067643 A US 2004144127 A1	04-08-2004 28-07-2004 30-07-2004 29-07-2004
US 2012304667 A1	06-12-2012	EP 2530408 A2 JP 2012251765 A US 2012304667 A1	05-12-2012 20-12-2012 06-12-2012

EPO FORM P0459

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