



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 86 03 81

Classification of the application (IPC):
F25C 5/04

Technical fields searched (IPC):
F25C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 9810471 B2 (LG ELECTRONICS INC [KR]) 07 November 2017 (2017-11-07) * column 3, lines 4-11 * * column 4, lines 7-17, 52-61 * * column 5, lines 5-13 * * column 11, lines 61-65 * * figures 1-15 *	1-3, 5-7, 10 4, 8, 9
X	CN 103575012 A (TAIZHOU LG ELECT REFRIGERATOR) 12 February 2014 (2014-02-12) * figures 1-5 *	1, 3, 5, 10
X	US 2011067429 A1 (LEE DONG HOON [KR] ET AL) 24 March 2011 (2011-03-24) * paragraphs [0003], [0050], [0051], [0177], [0180]; figures 3,19,20 *	1-3, 5, 7, 10
Y	CN 108444161 A (QINGDAO HAIER CO LTD) 24 August 2018 (2018-08-24) * figures 1-12 *	4
Y	US 2011120152 A1 (TALEGAONKAR ARUN MADHAV [US] ET AL) 26 May 2011 (2011-05-26) * figures 1-4 *	8, 9
A	EP 2584293 A2 (LG ELECTRONICS [KR]; POSTECH ACAD IND FOUND [KR]) 24 April 2013 (2013-04-24) * paragraphs [0042], [0044] - [0046], [0048], [0051], [0053]; figures 1-5 *	1-10
A	EP 2876387 A1 (DONGBU DAEWOO ELECTRONICS CORP [KR]) 27 May 2015 (2015-05-27) * figures 1-10 *	1-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 24 September 2021	Examiner Fest, Gilles
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 24-09-2021
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Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US 9810471	B2	07-11-2017	KR	20160090517 A	01-08-2016	
				US	2016216021 A1	28-07-2016
CN 103575012	A	12-02-2014	NONE			
US 2011067429	A1	24-03-2011	NONE			
CN 108444161	A	24-08-2018	NONE			
US 2011120152	A1	26-05-2011	CA	2719680 A1	23-05-2011	
				US	2011120152 A1	26-05-2011
EP 2584293	A2	24-04-2013	CN	103047804 A	17-04-2013	
				EP	2584293 A2	24-04-2013
				EP	3176523 A1	07-06-2017
				ES	2616764 T3	14-06-2017
				KR	20130041700 A	25-04-2013
				US	2013092707 A1	18-04-2013
EP 2876387	A1	27-05-2015	CN	104654696 A	27-05-2015	
				EP	2876387 A1	27-05-2015
				KR	20150058760 A	29-05-2015
				US	2015135738 A1	21-05-2015