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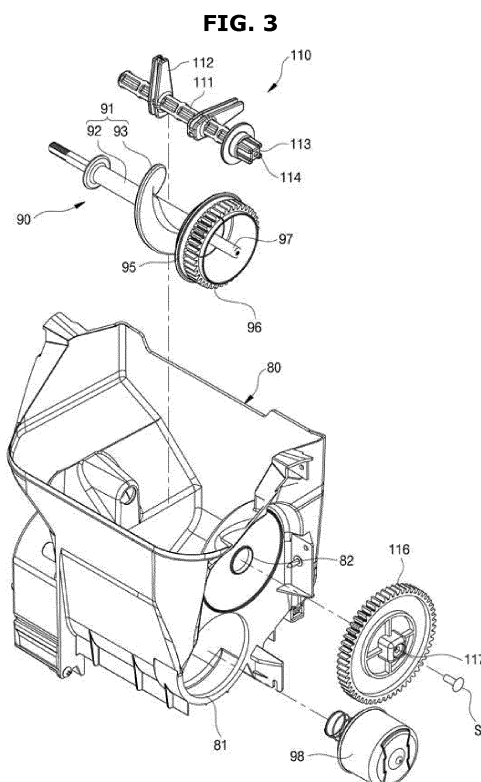
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(54) **Refrigerator**

(57) A refrigerator includes an auger including a transfer unit transferring ice in an ice bucket and a driving gear unit formed at the end of the transfer unit and transmitting rotary force and an agitator including an agitation unit agitating the ice in the ice bucket and a driven gear unit combined with the end of the agitation unit. The auger is formed integrally and thus, the number of parts of the auger is reduced and the assembled structure of the auger is simplified. The ice bucket is fixed in the upward, downward, and horizontal directions by a dual fixing device and is easily attached to and detached from a door of the refrigerator.





EUROPEAN SEARCH REPORT

Application Number
EP 14 19 8620

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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 2008/156826 A1 (KIM SEONG JAE [KR] ET AL) 3 July 2008 (2008-07-03) * abstract; figures 1,2,5 *	1-11	INV. F25C5/00 F25C5/18
X	WO 2008/051013 A2 (LG ELECTRONICS INC [KR]; LEE NAM GI [KR]; KIM SEONG JAE [KR]; SEO CHAN) 2 May 2008 (2008-05-02) * abstract; figures 3,8,10 *	1-11	
A	US 2013/312448 A1 (SCHUKAR MURRAY [US] ET AL) 28 November 2013 (2013-11-28) * the whole document *	1-11	
A	US 4 942 983 A (BRADBURY JOHN R [US]) 24 July 1990 (1990-07-24) * the whole document *	1-11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F25C
Place of search		Date of completion of the search	Examiner
The Hague		16 March 2015	Bidet, Sébastien
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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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-11

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-11

Agitator

2. claims: 12-15

Fixation

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

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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
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16-03-2015

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WO 2008051013	A2	02-05-2008	KR 20080036696 A WO 2008051013 A2	29-04-2008 02-05-2008
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82