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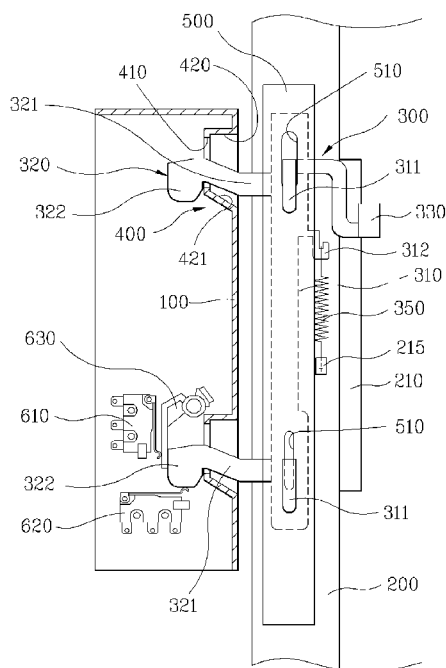
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(54) Title: ICE MAKING DEVICE AND REFRIGERATOR THEREWITH

[Fig. 3]



(57) Abstract: The present invention relates to an ice making device (1) and a refrigerator therewith, more particularly, to an ice making device (1) and a refrigerator therewith which enables to secure product reliability and convenience of use of a new type of ice making device. The ice making device comprising a case (100) having an inside space and an opening and an opening/closing member (200) for opening/closing the opening in the case (100). At least one locking slot (400) is provided to one of one side of the case (100) or one side of the opening/closing member (200).



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| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC <sup>8</sup> : <b>F25C 5/00</b> (2006.01); <b>E05B 65/00</b> (2006.01)<br>According to International Patent Classification (IPC) or to both national classification and IPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                                                                                      |
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| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC <sup>8</sup> : F25C, E05B<br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>EPODOC, WPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                                                                                      |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                                                                                      |
| Category*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Citation of document, with indication, where appropriate, of the relevant passages     | Relevant to claim No.                                                                |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DE 20 2006 000 293 U1 (WELITA) 16 March 2006 (16.03.2006)<br><i>fig. 1</i>             | 1-3                                                                                  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WO 2006/083111 A1 (LG ELECTRONICS) 10 August 2006<br>(10.08.2006)<br><i>figs. 5,22</i> | 1,21                                                                                 |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP 1 722 166 A1 (MATSUSHITA) 15 November 2006<br>(15.11.2006)<br><i>fig. 14</i>        | 1                                                                                    |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |                                                                                      |
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed<br>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |                                                                                        |                                                                                      |
| Date of the actual completion of the international search<br>6 November 2009 (06.11.2009)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                        | Date of mailing of the international search report<br>23 November 2009 (23.11.2009)  |
| Name and mailing address of the ISA/ AT<br><b>Austrian Patent Office</b><br>Dresdner Straße 87, A-1200 Vienna<br>Facsimile No. +43 / 1 / 534 24 / 535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                        | Authorized officer<br><b>KUTZENBERGER T.</b><br>Telephone No. +43 / 1 / 534 24 / 577 |

## INTERNATIONAL SEARCH REPORT

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                    |                       |
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| P,X                                                   | KR 100765200 B1 (SAMSUNG) 9 October 2007 (09.10.2007)<br><i>fig. 2</i>             | 1,11                  |

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/KR 2008/004273**

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