

Title (en)  
ICE MAKER AND REFRIGERATOR

Title (de)  
EISBEREITER UND KÜHLSCHRANK

Title (fr)  
APPAREIL DE FABRICATION DE GLAÇONS ET RÉFRIGÉRATEUR

Publication  
**EP 4123245 A1 20230125 (EN)**

Application  
**EP 22181291 A 20191115**

Priority  

- KR 20180142111 A 20181116
- KR 20190087542 A 20190719
- EP 19209353 A 20191115

Abstract (en)  
Provided is an ice maker for a home appliance, in particular for a refrigerator or freezer, including: an upper assembly (110) including an upper tray (150) having at least one upper chamber part (152); a lower assembly (200) including a lower support (270) and a flexible lower tray (250) having at least one lower chamber part (252), wherein the lower assembly (200) is movable with respect to the upper assembly (110) between an open position and a closed position, wherein in the closed position, the lower chamber part (252) and the upper chamber part (152) form at least one ice chamber (111) in which ice is to be formed, and a lower heater (296) for making clear ice, the lower heater (296) being provided in the lower assembly (200) between the lower support (270) and the lower tray (250).

IPC 8 full level  
**F25C 1/18** (2006.01); **F25C 1/24** (2006.01); **F25C 5/08** (2006.01)

CPC (source: CN EP KR)  
**F25C 1/06** (2013.01 - CN); **F25C 1/18** (2013.01 - EP KR); **F25C 1/243** (2013.01 - CN KR); **F25C 1/25** (2018.01 - KR); **F25D 11/02** (2013.01 - CN); **F25D 23/12** (2013.01 - CN); **F25C 1/243** (2013.01 - EP); **F25C 5/08** (2013.01 - EP); **F25C 2400/08** (2013.01 - KR); **F25C 2400/10** (2013.01 - KR); **F25C 2500/02** (2013.01 - KR); **F25C 2600/04** (2013.01 - KR); **F25C 2700/12** (2013.01 - KR)

Citation (applicant)  

- KR 101850918 B1 20180530
- JP H09269172 A 19971014 - TOSHIBA CORP

Citation (search report)  

- [X1] KR 20130036421 A 20130412 - LG ELECTRONICS INC [KR]
- [X1] US 2014165618 A1 20140619 - CULLEY BRIAN K [US], et al
- [I] JP H02161272 A 19900621 - HOSHIZAKI ELECTRIC CO LTD
- [A] US 2013014535 A1 20130117 - SON JUHYUN [KR], et al
- [A] KR 20130110875 A 20131010 - COWAY CO LTD [KR]

Designated contracting state (EPC)  
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

DOCDB simple family (publication)  
**EP 3653967 A1 20200520; EP 3653967 B1 20220629**; CN 111197895 A 20200526; CN 111197895 B 20220527; CN 114838547 A 20220802; CN 114838547 B 20240412; CN 114838548 A 20220802; CN 114838548 B 20240308; CN 114838549 A 20220802; CN 114838550 A 20220802; CN 114893940 A 20220812; CN 114893940 B 20240209; EP 4123245 A1 20230125; KR 102577504 B1 20230912; KR 102577507 B1 20230912; KR 102580514 B1 20230920; KR 102631981 B1 20240201; KR 20230010049 A 20230117; KR 20230010050 A 20230117; KR 20230010051 A 20230117; KR 20230010052 A 20230117

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**EP 19209353 A 20191115**; CN 201911127726 A 20191118; CN 202210505051 A 20191118; CN 202210505115 A 20191118; CN 202210505127 A 20191118; CN 202210505129 A 20191118; CN 202210505134 A 20191118; EP 22181291 A 20191115; KR 20230003003 A 20230109; KR 20230003004 A 20230109; KR 20230003005 A 20230109; KR 20230003007 A 20230109