

Title (en)
ICE MAKER AND REFRIGERATOR

Title (de)
EISBEREITER UND KÜHLSCHRANK

Title (fr)
APPAREIL DE FABRICATION DE GLAÇONS ET RÉFRIGÉRATEUR

Publication
EP 3653957 A1 20200520 (EN)

Application
EP 19209331 A 20191115

Priority

- KR 20180142067 A 20181116
- KR 20190087468 A 20190719
- KR 20190087489 A 20190719

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 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 wherein the lower tray (250) has a convex portion (251b) protruding into the lower chamber part (252) and configured to be deformed towards an outside of the lower chamber part (252) for compensating a volume increase during ice formation

IPC 8 full level
F25C 1/04 (2018.01); **F25C 1/243** (2018.01); **F25C 5/06** (2006.01); **F25C 5/20** (2018.01)

CPC (source: CN EP US)
F25C 1/04 (2013.01 - EP US); **F25C 1/06** (2013.01 - CN); **F25C 1/243** (2013.01 - CN EP); **F25C 5/06** (2013.01 - EP); **F25C 5/22** (2018.01 - EP); **F25D 11/02** (2013.01 - CN); **F25D 23/12** (2013.01 - CN); **F25C 2305/0221** (2021.08 - EP US)

Citation (applicant)

- KR 101850918 B1 20180530
- US 2182454 A 19391205 - SHERMAN ALVIN G

Citation (search report)

- [XYI] DE 29820139 U1 20000323 - STADTELMAYER ULRICH [DE]
- [Y] EP 2549207 A2 20130123 - LG ELECTRONICS INC [KR]
- [A] US 2014182325 A1 20140703 - LEE DONGHOON [KR], et al

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WO2023131201A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3653957 A1 20200520; CN 111197894 A 20200526; CN 111197894 B 20230502; CN 116412602 A 20230711; CN 116428798 A 20230714; CN 116447796 A 20230718

DOCDB simple family (application)
EP 19209331 A 20191115; CN 201911127175 A 20191118; CN 202310393280 A 20191118; CN 202310393288 A 20191118; CN 202310393302 A 20191118