

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2674701 A2 20131218 (EN)

Application
EP 13171533 A 20130611

Priority
KR 20120062427 A 20120612

Abstract (en)
A refrigerator includes an ice making device (100). The ice making device (100) includes an upper plate tray (110) having first recess parts (115) that have a hemispherical shape and a lower plate tray (120) having second recess parts (125) which correspond to the first recess parts (113) and have a hemispherical shape. The refrigerator also includes a water supply module (30) configured to sense and store water to be supplied into the ice making device (100), an inflow-side valve (8) configured to selectively block water supply into the water supply module (20), and a discharge-side valve (9) configured to selectively supply the water stored in the water supply module (30) into the ice making device (100). The water supply module (30) includes a water tank (31, 41) configured to store water supplied from a water supply source (6) and a sensor (32, 42) configured to sense whether a preset amount of water has been supplied to the water tank (31, 41).

IPC 8 full level
F25C 1/22 (2006.01); **F25C 1/04** (2006.01); **F25C 1/24** (2006.01)

CPC (source: EP KR US)
F25C 1/04 (2013.01 - EP US); **F25C 1/24** (2013.01 - KR); **F25C 1/25** (2017.12 - EP US); **F25D 11/00** (2013.01 - KR); **F25D 29/00** (2013.01 - KR); **F25C 2400/10** (2013.01 - EP US); **F25C 2600/04** (2013.01 - EP US); **F25C 2700/04** (2013.01 - EP US)

Cited by
EP3862692A4; IT202000001342A1; WO2018141617A1

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 2674701 A2 20131218; **EP 2674701 A3 20150923**; CN 103486812 A 20140101; KR 102023412 B1 20190920; KR 20130138914 A 20131220; US 2013327074 A1 20131212

DOCDB simple family (application)
EP 13171533 A 20130611; CN 201310230899 A 20130609; KR 20120062427 A 20120612; US 201313904227 A 20130529