

Title (en)

Modular cooling and low energy ice

Title (de)

Modulare Kühlung und Niedrigenergieeis

Title (fr)

Refroidissement modulaire et glace à faible énergie

Publication

EP 2738486 A2 20140604 (EN)

Application

EP 13188925 A 20131016

Priority

US 201213691894 A 20121203

Abstract (en)

A refrigerator (10) includes a refrigerator cabinet (12), an ice maker (32) disposed within the refrigerator cabinet, an ice mold (40) in the ice maker, and a thermoelectric device (46) positioned below the ice mold and configured to provide cooling liquid along a bottom side of the ice mold during freezing of water to make ice. The ice maker is further configured to warm the bottom side of the ice mold to facilitate harvesting of the ice. The ice maker may be disposed within a refrigeration compartment and may be configured to make clear ice. The ice mold may be fixed in place during the harvesting of the ice. The ice maker may be further configured to warm the bottom side of the ice mold to facilitate harvesting of the ice by providing warming liquid along the bottom side of the ice mold.

IPC 8 full level

F25B 21/04 (2006.01); **F25C 1/04** (2006.01); **F25C 5/08** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP)

F25B 21/04 (2013.01); **F25C 1/04** (2013.01); **F25C 5/08** (2013.01); **F25D 11/02** (2013.01)

Cited by

US10697694B2; US11187456B2; US11578913B2

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 2738486 A2 20140604; EP 2738486 A3 20170111

DOCDB simple family (application)

EP 13188925 A 20131016