

Title (en)

Clear ice maker and method for forming clear ice

Title (de)

Klarer Eisbereiter und Verfahren zur Herstellung von klarem Eis

Title (fr)

Préparateur de glace transparente et procédé de formation de glace transparente

Publication

**EP 2743610 A2 20140618 (EN)**

Application

**EP 13194684 A 20131127**

Priority

US 201213713253 A 20121213

Abstract (en)

An ice maker, including sensors (444) to measure usage parameters and transmit the same to a controller (440). The controller is operably connected to a plurality of ice forming systems, and directs the systems to operate in a high energy mode or a low energy mode, based on the usage parameter. The usage parameters may include an ice level (98), a change in the ice level over time, the amount of time that a dispenser is actuated, the time of day, or historical usage patterns. The ice forming systems (52) may include one or more of a thermoelectric device coupled to a bottom surface of an ice forming plate, a forced air system to circulate cold air, a forced air system to circulate warm air, and a temperature control system to maintain a temperature gradient between a first chamber above the ice forming plate and a second chamber below the ice forming plate.

IPC 8 full level

**F25C 1/20** (2006.01); **F25B 21/04** (2006.01); **F25C 5/00** (2006.01); **F25C 5/18** (2006.01)

CPC (source: EP US)

**F25C 1/20** (2013.01 - EP US); **F25C 5/08** (2013.01 - EP US); **F25C 5/187** (2013.01 - EP US); **F25C 5/22** (2017.12 - EP US); **F25B 21/02** (2013.01 - EP US); **F25C 2305/0221** (2021.08 - EP US); **F25C 2600/04** (2013.01 - EP US); **F25C 2700/02** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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