

Title (en)

METHOD AND APPARATUS FOR PRODUCING PIECES OF ICE, AND REFRIGERATOR, IN PARTICULAR A DOMESTIC REFRIGERATOR, WITH SUCH AN APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN VON EISSTÜCKEN UND KÄLTEGERÄT, INSBESONDERE HAUSHALTSKÄLTEGERÄT MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR PRODUIRE DES GLAÇONS ET APPAREIL FRIGORIFIQUE, NOTAMMENT APPAREIL FRIGORIFIQUE MÉNAGER, COMPRENANT UN TEL DISPOSITIF

Publication

**EP 2556310 A1 20130213 (DE)**

Application

**EP 11708802 A 20110311**

Priority

- DE 102010003828 A 20100409
- EP 2011053688 W 20110311

Abstract (en)

[origin: WO2011124440A1] The invention relates to a method for producing pieces of ice (22) by increasingly freezing water on at least one immersion element (11) which can be cooled to below the freezing point of water, the method comprising the steps of supplying a container (13) with water; pre-cooling, in particular by thermo-electrical means, the at least one immersion element (11) to below the freezing point of water, in particular by means of a Peltier element (32); immersing the pre-cooled immersion element (11) in the water following pre-cooling; and further cooling the at least one immersion element (11), and leaving it in the water, until a desired quantity of water has frozen, in the form of a piece of ice (22), on the immersion element (11). The invention also relates to an associated apparatus (9) and to a refrigerator, in particular a domestic refrigerator (1) with such an apparatus (9).

IPC 8 full level

**F25C 1/20** (2006.01)

CPC (source: EP)

**F25B 21/02** (2013.01); **F25C 1/08** (2013.01); **F25C 1/18** (2013.01); **F25C 2500/02** (2013.01)

Citation (search report)

See references of WO 2011124440A1

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)

**DE 102010003828 A1 20111013**; CN 102844636 A 20121226; EP 2556310 A1 20130213; WO 2011124440 A1 20111013

DOCDB simple family (application)

**DE 102010003828 A 20100409**; CN 201180018244 A 20110311; EP 11708802 A 20110311; EP 2011053688 W 20110311