

Title (en)

BINARY-ICE PRODUCTION DEVICE AND METHOD THEREFOR

Title (de)

BINÄREISHERSTELLUNGSVORRICHTUNG UND VERFAHREN HIERZU

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PRODUCTION DE GLACE BINAIRE

Publication

EP 3071906 A2 20160928 (DE)

Application

EP 14820735 A 20141119

Priority

- DE 102013112829 A 20131120
- DE 2014100406 W 20141119

Abstract (en)

[origin: WO2015074643A2] The invention relates to a method for continuously producing a flowable, pumpable, cooled mass or cooling mass, in particular for use as and/or for foods and foodstuffs, from a flowable base mass (10), comprising the following steps: pouring the flowable base mass into a housing (110), cooling the flowable base mass by means of the contacting of a heat exchanger device (200) arranged in the housing (110) while the base mass (10) is stirred, in order to thus produce the pumpable, cooled mass or cooling mass. In the process of the formation of a layer, in particular an ice layer, on the heat exchanger device (200), the cooling is interrupted as soon as the layer, in particular the ice layer, reaches a predetermined thickness and the cooling is continued as soon as the layer falls below the predetermined thickness. In the stirring process, the base mass and/or the mass is moved radially outward along the heat exchanger surfaces and force is transmitted for the stirring from outside of the housing inward contactlessly without breaching of the housing. The invention further relates to an air-conditioning method, to a cooling-mass production method, to an energy system, and to a use therefor.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015074643A2

Citation (examination)

- US 3869870 A 19750311 - KUEHNER RICHARD
- EP 0316966 A2 19890524 - SUNWELL ENG CO LTD [CA]

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Designated extension state (EPC)

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DOCDB simple family (publication)

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