

Title (en)

A DOMESTIC COOLING DEVICE WITH SHOCK FREEZING

Title (de)

KÜHLVORRICHTUNG MIT SCHOCKGEFRIEREN FÜR HAUSHALTE

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DOMESTIQUE AVEC CONGÉLATION CHOC

Publication

**EP 3286507 B1 20200819 (EN)**

Application

**EP 16712058 A 20160330**

Priority

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- EP 2016056889 W 20160330

Abstract (en)

[origin: WO2016169739A1] The present invention relates to a domestic cooling device comprising a freezing compartment (10), at least one chamber (20) provided inside the freezing compartment (10) and having at least one partially closed inner space, and at least one air intake opening (13) transferring cool air into the chamber (20). As an improvement, the present invention is comprising at least one carrier element (30) which carries the foodstuff inside the chamber (20) such that there is a clearance between the inner wall of the chamber (20) and the carrier element (30) in a manner permitting air flow through all sides, so that said foodstuff, desired to be frozen, is effectively cooled and subjected to a shock freezing process.

IPC 8 full level

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Citation (examination)

- US 2014290303 A1 20141002 - SHIN JAEHOON [KR], et al
- US 2008156029 A1 20080703 - RITCHIE SHEENA LEIGH [US], et al
- US 2007163289 A1 20070719 - HAHM KYUNG HEE [KR], et al
- KR 20060104421 A 20061009 - LG ELECTRONICS INC [KR]
- WO 2012128208 A1 20120927 - MARS COMPANY [JP], et al

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DOCDB simple family (publication)

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