

Title (en)

METHOD AND DEVICE FOR COOLING FOOD PRODUCTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KÜHLEN VON NAHRUNGSMITTELPRODUKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE REFROIDISSEMENT DE PRODUITS ALIMENTAIRES

Publication

EP 3702708 A1 20200902 (EN)

Application

EP 19160325 A 20190301

Priority

EP 19160325 A 20190301

Abstract (en)

There is described a method for cooling a food product (2) comprising at least the steps of placing the food product (2) to be cooled into a cooling space (4) of a cooling device (1), estimating and/or calculating a cooling time needed to cool the food product (2) from a pre-determined upper temperature limit to a pre-determined lower temperature limit, comparing the estimated and/or calculated cooling time with a pre-determined maximum cooling time and releasing and/or prompting an alert signal indicating the risk of the cooling time exceeding the pre-determined maximum cooling time if the estimated and/or calculated cooling time is larger than the pre-determined maximum cooling time. There is also described a cooling device (1) for cooling a food product comprising a cooling space (4) for receiving the food product (2) to be cooled, a calculation unit configured to estimate and/or calculate a cooling time needed to cool the food product (2) from a pre-determined upper temperature limit to a pre-determined lower temperature limit and to compare the estimated and/or calculated cooling time with a pre-determined maximum cooling time, and an alert unit configured to release an alert signal indicating the risk of the cooling time exceeding the pre-determined maximum cooling time if the estimated and/or calculated cooling time is larger than the pre-determined maximum cooling time.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [I] JP 2000234832 A 20000829 - SANYO ELECTRIC CO
- [A] US 5798694 A 19980825 - REBER WILLIAM L [US], et al
- [A] US 2018224150 A1 20180809 - LEWIS STEVEN [US], et al

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)

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