

Title (en)

METHOD AND DEVICE FOR COOLING PRODUCTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KÜHLUNG VON PRODUKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE REFROIDISSEMENT DE PRODUITS

Publication

EP 3764030 A1 20210113 (EN)

Application

EP 19185851 A 20190711

Priority

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Abstract (en)

Method for cooling products (3) comprising conveying the products (3) through a cooling chamber (2), wherein an inlet airlock (7) is situated at a product inlet (5) of the cooling chamber (2) and/or an outlet airlock (8) is situated at a product outlet (6) of the cooling chamber (2), and wherein a gaseous medium is continuously provided into the inlet airlock (7) and/or into the outlet airlock (8). With the described device (1) and with the described method products (3), in particular food products, can be cooled while being conveyed through the cooling chamber (2). Due to the inlet airlock (7) and the outlet airlock (8), which are provided with a gaseous medium, air from the environment of the cooling chamber (2) can be prevented from being sucked into the cooling chamber (2). Thereby, formation of ice within the cooling chamber (2) can be prevented and energy consumption can be reduced.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XI] US 4955206 A 19900911 - LANG GARY D [US], et al
- [XI] US 5168723 A 19921208 - KICZEK EDWARD F [US], et al
- [XI] EP 3502596 A1 20190626 - AIR LIQUIDE DEUTSCHLAND GMBH [DE], et al
- [X] US 4947654 A 19900814 - SINK BRIAN EVAN [US], et al
- [X] EP 0317935 A2 19890531 - AIR PROD & CHEM [US]

Designated contracting state (EPC)

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