

Title (en)

Facility for heat treating products placed on a pallet or the like

Title (de)

Anlage zur Wärmebehandlung von auf einer Palette oder dergleichen liegenden Produkten

Title (fr)

Installation de traitement en température de produits disposés en palette ou similaire

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Application

EP 10159860 A 20070320

Priority

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- FR 0752825 A 20070123
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- FR 2007050955 W 20070320

Abstract (en)

The installation for the temperature treatment of food processing products (2) arranged in palette (3), comprises a chamber, units for the introduction of palette, a unit (5) for delivering the palette between an entry and an exit, a unit (6) for blowing air through the products of the palette, and a longitudinal separation unit (7) arranged in the principal axis of the chamber to prevent the flow of air between the upper surface of the each palette and a ceiling of the chamber. The longitudinal separation unit comprises a displacement unit bearing or holding flexible elements. The installation for the temperature treatment of food processing products (2) arranged in palette (3), comprises a chamber, units for the introduction of palette, a unit (5) for delivering the palette between an entry and an exit, a unit (6) for blowing air through the products of the palette, and a longitudinal separation unit (7) arranged in the principal axis of the chamber to prevent the flow of air between the upper surface of the each palette and a ceiling of the chamber. The longitudinal separation unit comprises a displacement unit bearing or holding flexible elements ensuring the sealing. The displacement unit comprises an interior tube and an exterior tube. The exterior tube carries the flexible elements and the interior tube carries a fixed table of which the bearing induces a rotation of the exterior tube. The flexible elements comprises bristles and slats, and are connected in an upper part forming a curtain and allocated in one or two rows. The longitudinal separation unit comprises a driving shaft equipped with a retaining unit driving two articulated arms in a mounted direction and a sealing cover arranged with the arms. The retaining unit comprises blocks disposed on the driving shaft. Each block co-operates with a proximal extremity of the articulated arm. Each articulated arm comprises three articulations. The articulations hold a lower row section of articulated arm in comparison to an upper row section. The effort exerted by the cover on the products is divided on the lower face of the distal extremity of the articulated arm. The articulated arms disposed on the driving shaft are spaced from 20-100 cm. The driving shaft is induced in rotation by a control unit having a jack. The sealing cover comprises pockets introducing the articulated arms and bellows between the pockets allowing an angular displacement between the arms. The bellows have a flare in a direction of the low extremity of the cover. Additional separation units are arranged perpendicular to the end of the longitudinal separation unit to prevent the air flow between the chambers in high level part. The additional separation unit comprises additional displacement unit and a guillotine. The additional displacement unit allows a displacement in translation of the guillotine between a lowering position and an upper position. A lateral sealing unit having a sliding gate at the end of the chambers is perpendicularly disposed in a principal axis of each chamber.

Abstract (fr)

L'installation (1) de traitement en température de produits (2) disposés en palette (3) ou similaire comprend au moins une chambre (4), des moyens d'introduction d'une palette, des moyens de convoyage (5) de la palette entre une entrée et une sortie, des moyens de soufflage d'air (6) à travers les produits d'une palette, et des moyens de séparation longitudinale (7) disposés sensiblement dans l'axe principal de ladite au moins une chambre et permettant d'empêcher l'écoulement d'air entre la surface supérieure (8) de chaque palette présente dans la chambre et le plafond (9) de ladite au moins une chambre (4). Les moyens de séparation longitudinale (7) sont relevables et l'installation comprend des moyens de séparation additionnels (16), qui comportent des guillotines (18) disposées sensiblement perpendiculairement et aux extrémités des moyens de séparation longitudinale (7) et des moyens de déplacement (17), qui permettent un déplacement en translation des guillotines (18) entre une position de travail abaissée et une position relevée.

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- [A] EP 0430048 A1 19910605 - KUEBA KAELETETECHNIK GMBH [DE]
- [A] DE 9202378 U1 19920416

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