

Title (en)

METHOD AND APPARATUS FOR PACKING AND BI-DIRECTIONAL COOLING OF PRODUCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERPACKEN UND BIDIREKTIONALEM KÜHLEN VON PRODUKTEN

Title (fr)

PROCEDE ET APPAREIL D'EMBALLAGE ET DE REFROIDISSEMENT BIDIRECTIONNEL DE PRODUITS

Publication

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Application

EP 02757619 A 20020906

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- US 1789301 A 20011212

Abstract (en)

[origin: WO03022685A2] Method for improved packing and cooling of produce. According to the present invention, baskets for the packing of fruit are provided with ventilation channels disposed upon a lower surface of the basket. Vent apertures communicate between the ventilation channels and the produce stored in the baskets. Upper vents are formed on four sides of an upper portion of the baskets. After packing the baskets with produce, they are loaded into trays. The trays may be provided with tray vents that align with the ventilation channels. Alternatively, the trays may be formed without tray vents to improve some cooling regimes. In this manner, entire pallets of produce-filled baskets, oriented in either the "X" or "Y" directions can be efficiently chilled by introducing a flow of cooling air into the baskets and thence through the produce packed inside, regardless of the orientation of the trays. The trays and baskets are sized so as to occupy all of the surface area of a standard shipping pallet, and to minimize the movement of the baskets within the trays, and of the trays with respect to one another.

[origin: WO03022685A2] Baskets 10, 11 for the packaging of fruit are provided with ventilation channels 13 disposed upon a lower surface of the basket. Upper vents 5, 5' are formed on four sides of an upper portion of the baskets. After packing the baskets with produce, they are loaded into trays. The trays and baskets are sized so as to occupy all of the surface area of a standard shipping pallet, and to minimize the movement of baskets within the trays, and of the trays with respect to one another.

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