

Title (en)

SELECTION APPARATUS FOR THE PACKAGING OF PRODUCTS, IN PARTICULAR FRUIT AND VEGETABLE PRODUCTS

Title (de)

AUSWAHLVORRICHTUNG ZUM VERPACKEN VON PRODUKTEN, INSBESONDERE VON OBST- UND GEMÜSEPRODUKTEN

Title (fr)

APPAREIL DE SÉLECTION POUR L'EMBALLAGE DE PRODUITS, EN PARTICULIER DE FRUITS ET LÉGUMES

Publication

**EP 3437744 A1 20190206 (EN)**

Application

**EP 18186890 A 20180801**

Priority

IT 201700090345 A 20170804

Abstract (en)

A selection apparatus for the packaging of products, in particular fruit and vegetable products, comprising at least two continuous conveyors (2a, 2b) that are configured as carousels, of which a first conveyor (2a) is arranged outside a second conveyor (2b) so as to define respective closed paths along the respective extensions. Preferably, the apparatus (1) also comprises a third conveyor (2c) which is configured as a carousel and is arranged inside the second conveyor (2b). Each one of the conveyors (2a, 2b, 2c) supports a plurality of trays (3) for the transfer of respective products and is a closed loop so as to define a closed path along which there are at least one loading station (4) of the products in respective trays (3), at least one weighing station (5) of the products accommodated in each tray (3), and at least one picking up station (6) of selected products. The apparatus (1) further comprises an electronic management and control unit which is adapted to store the weight and the position of each product loaded onto the conveyors (2a, 2b, 2c) and to select the products to be picked up at the at least one picking up station (6) according to a preset function of a preset or presettable weight.

IPC 8 full level

**B07C 5/18** (2006.01)

CPC (source: EP)

**B07C 5/18** (2013.01); **B07C 2501/009** (2013.01)

Citation (search report)

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- [A] US 5024047 A 19910618 - LEVERETT WILLIAM H [US]
- [A] FR 2976195 A1 20121214 - MAF AGROBOTIC [FR]
- [A] US 4254877 A 19810310 - ROSE BOYD W
- [A] WO 03035515 A2 20030501 - GARVEY CORP [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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