

Title (en)

Apparatus for transferring substantially spherical or ellipsoidal products, such as for instance eggs, fruit or vegetables.

Title (de)

Vorrichtung zum Überführen von im wesentlichen kugelförmigen oder elliptischen Produkten wie z.B. Eier, Obst und Gemüse.

Title (fr)

Dispositif pour transférer des produits sensiblement sphériques ou elliptiques comme par exemple des oeufs, fruits ou légumes.

Publication

EP 0588412 A1 19940323 (EN)

Application

EP 93202569 A 19930901

Priority

NL 9201530 A 19920902

Abstract (en)

The invention relates to an apparatus for transferring substantially spherical or ellipsoid products, such as for instance eggs, fruit or vegetables, and comprises a supply conveyor (1) designed to supply products in parallel longitudinal rows (2) extending in a direction of supply, a discharge conveyor (3) with product carriers (4) each designed to receive a single product (P), and a transfer apparatus (5) designed to transfer the products supplied by the supply conveyor into the discharge conveyor product carriers. According to the invention, the apparatus is characterized in that the transfer apparatus comprises a plurality of transfer-conveying means (6) with transfer-product carriers (7), arranged in line with the longitudinal rows, the transfer apparatus further comprising a transfer element (8), designed to pass the transfer-product carriers in vertical direction and, upon vertical upward movement, to lift the products from the transfer-product carriers and to place these products into the discharge conveyor product carriers.
<IMAGE>

IPC 1-7

B65B 23/06; **B65G 47/82**

IPC 8 full level

B65G 47/30 (2006.01); **B65B 23/06** (2006.01); **B65G 47/53** (2006.01); **B65G 47/68** (2006.01); **B65G 47/86** (2006.01)

CPC (source: EP)

B65B 23/06 (2013.01)

Citation (search report)

- [DA] EP 0114488 A2 19840801 - DIAMOND AUTOMATION [US]
- [A] US 3894631 A 19750715 - ROSE BOYD W, et al
- [A] US 4863008 A 19890905 - DOI EIJI [JP]

Cited by

EP0845414A1; NL1004657C2; US5884750A; DK201500051A1; US9261397B2; US9038812B2; US9434556B2

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0588412 A1 19940323; JP H06227650 A 19940816; NL 9201530 A 19940405

DOCDB simple family (application)

EP 93202569 A 19930901; JP 21853893 A 19930902; NL 9201530 A 19920902