

Title (en)

DEVICE FOR FEEDING AND ARRANGING SOLID FOOD PRODUCTS AND MACHINE FOR PACKAGING SOLID FOOD PRODUCTS

Title (de)

VORRICHTUNG ZUM ZUFÜHREN UND ANORDNEN VON FESTEN NAHRUNGSMITTELN UND MASCHINE ZUM VERPACKEN VON FESTEN NAHRUNGSMITTELN

Title (fr)

DISPOSITIF D'INTRODUCTION ET D'AGENCEMENT DE PRODUITS ALIMENTAIRES SOLIDES ET MACHINE DE CONDITIONNEMENT DE PRODUITS ALIMENTAIRES SOLIDES

Publication

EP 3887291 A1 20211006 (EN)

Application

EP 19802024 A 20191114

Priority

- IT 201800010592 A 20181127
- IB 2019059779 W 20191114

Abstract (en)

[origin: WO2020109905A1] Described is a device for feeding and arranging solid food products comprising a motor-driven conveyor (6) for accumulating and conveying the solid food products (1); a unit (8) for the controlled transit of the solid food products (1) equipped with a pair of belts (9) for bilateral gripping and retaining of the solid food products (1) and movable at a speed which can be modified; means (11) for spacing solid food products (1), positioned at an outfeed end of the channel defined by the pair of belts (9), and designed for spacing one solid food product (1) at a time from the remaining solid food products in transit along the channel, in such a way that the spaced solid food products (1) are fed to a wrapping apparatus (4); a control unit (12) connected to the pair of belts (9) and able to modify the feed speed of the pair of belts (9); the control unit (12) comprises a first position measurement sensor (13) positioned along the channel and able to measure the position of each solid food product (1) which passes along the channel, and a second position measurement sensor (14) positioned close to the spacing means (11) and able to measure the position of the solid food product (1) leaving the channel, the control unit (12) is configured for modifying the feed speed of the pair of belts (9) so as to keep synchronised the position of the solid food products (1) arriving at the spacing means (11) with an operational picking up step of the wrapping apparatus (4) actuated with a predetermined law of motion.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020109905A1

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