

Title (en)

APPARATUS FOR CONVEYING AND DOSING OBJECTS ON AN AUTOMATIC PACKAGING LINE

Title (de)

VORRICHTUNG ZUM FÖRDERN UND DOSIEREN VON GEGENSTÄNDEN AUF EINER AUTOMATISCHEN VERPACKUNGSLINIE

Title (fr)

APPAREIL DE TRANSPORT ET DE DOSAGE D'OBJETS SUR UNE LIGNE DE CONDITIONNEMENT ET D'EMBALLAGE AUTOMATIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021111478A1] The invention relates to an apparatus (1000) for conveying and dosing objects (1) on an automatic packaging line. The apparatus comprises: a vibrating conveyor unit (100) of the objects along an advancement direction (D) parallel to a supporting plane (P) of the apparatus; such a conveyor unit is interposed between an infeed portion (IN) of the device, configured for loading the objects (1), and an outfeed portion (OUT), configured for releasing the conveyed objects. The vibrating conveyor unit comprises: - at least one straight track (10), adapted to contain the objects to be conveyed and having a first end (11) and an opposite second end (12); first vibrating supporting and moving means (30) of the at least one track operatively associated with the infeed portion of the apparatus; the first end of at least one track is connected to the first vibrating supporting and moving means; second supporting means (40) of the track operatively associated with the outfeed portion of the apparatus; such a second end of the at least one track is connected to the second supporting means. The at least one track comprises: a first track (50), which extends between the first end of the track and a further second end (13); such a further second end is connected to third supporting means (70) of the track in an intermediate position between the first vibrating supporting and moving means and the second supporting means; a second track (60), aligned and separated from the first track, which extends between the second end of the track and a further first end (14); the further first end is connected to the third supporting means. Such third supporting means are configured to oscillate along the advancement direction of the objects in response to the movement of the first supporting means to transfer the vibration from the first track to the second track. The first track is at least partially superimposed on the second track.

IPC 8 full level

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CPC (source: EP)

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