

Title (en)

PACKAGE GROUPING UNIT WITH PACKAGE LINEAR SPEED REDUCTION

Title (de)

VERPACKUNGSGRUPPIERUNGSEINHEIT MIT REDUZIERUNG DER LINEAREN VERPACKUNGSGESCHWINDIGKEIT

Title (fr)

UNITÉ DE GROUPAGE D'EMBALLAGE AVEC RÉDUCTION DE LA VITESSE LINÉAIRE D'EMBALLAGE

Publication

EP 3106398 A1 20161221 (EN)

Application

EP 15172013 A 20150615

Priority

EP 15172013 A 20150615

Abstract (en)

A package grouping unit (1) for a packaging line operable to produce multipacks; the package grouping unit being provided with at least one linear conveyor (8) for feeding, in a given advancement direction (7), a succession of packages (2) fed to an inlet of the linear conveyor (8) at a first speed (V1); and at least one package slowdown device (15), which is configured to group (3) the packages (2) and successively feed the groups (3) to a linear conveyor output at a second speed (V2) lower than the first speed (V1); the slowdown device (15) being formed by a plurality of variable configuration sections (17), which define a seat (16) so sized to receive a package (2) group (3) and operable to move along the linear conveyor (8) and to assume, depending on the position of the variable configuration sections (17) along the linear conveyor (8), a closed configuration adapted to retain the packages (2) in the seat (16) and an open configuration suitable to allow insertion and release of the packages (2) in and, respectively, from the seat (16).

IPC 8 full level

B65B 35/40 (2006.01); **B65B 35/44** (2006.01); **B65B 59/00** (2006.01); **B65G 15/40** (2006.01); **B65G 47/08** (2006.01); **B65G 47/71** (2006.01); **B65G 47/84** (2006.01); **B65G 47/86** (2006.01)

CPC (source: EP US)

B65B 35/405 (2013.01 - EP US); **B65B 35/44** (2013.01 - EP); **B65B 59/005** (2013.01 - EP US); **B65B 59/00** (2013.01 - EP US); **B65B 2210/02** (2013.01 - EP)

Citation (search report)

- [XYI] WO 2014090581 A1 20140619 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [Y] US 4577745 A 19860325 - CALVERT RODNEY K [US], et al

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IT201900022107A1; WO2019174060A1; WO2021105897A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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