

Title (en)

AN APPARATUS FOR FORMING A GROUP OF PRODUCTS QUEUED ONE FOLLOWING ANOTHER

Title (de)

VORRICHTUNG ZUM BILDEN EINER GRUPPE VON IN EINER WARTESCHLANGE AUF EINANDERFOLGENDEN PRODUKTEN

Title (fr)

APPAREIL POUR FORMER UN GROUPE DE PRODUITS MIS EN FILE D'ATTENTE LES UNS APRÈS LES AUTRES

Publication

EP 3707087 A1 20200916 (EN)

Application

EP 18821728 A 20181108

Priority

- IT 201700127979 A 20171109
- IB 2018058781 W 20181108

Abstract (en)

[origin: WO2019092634A1] An apparatus (100) for forming a group of products (101) queued one following another, comprising: a conveyor means (1) comprising a loop-closed conveyor band (11) which has an upper conveyor branch (12), for transporting products (10) according to a transport direction (W), and a winding end (13); a support means (2) which comprises a support plane (21), for supporting the products (10), having an upstream end (22) and an additional support portion (23) of the support plane (21) which is arranged below the upstream end (22) of the support plane (21). Each time a product (10) conveyed on the upper conveyor branch (12) reaches the winding end (13), the winding end (13) is movable so as to reduce the length of the upper conveyor branch (12) by an amount at least equal to the base of the product (10), and, at the same time, a part (24) of the additional, support portion (23) of the support plane (21) is, time by time, movable so as to be brought to the level of the support plane (21) so as to increase the length of the support plane (21) towards the winding end (13) by an amount such that the upstream end (22) of the support plane (21) is maintained constantly flanked to the winding end (13) so as to receive and support the product (10).

IPC 8 full level

B65G 21/14 (2006.01); **B65B 35/44** (2006.01); **B65G 47/08** (2006.01); **B65G 47/30** (2006.01)

CPC (source: EP)

B65B 35/243 (2013.01); **B65B 35/246** (2013.01); **B65B 35/44** (2013.01); **B65G 21/14** (2013.01); **B65G 47/30** (2013.01); **B65G 47/082** (2013.01)

Citation (search report)

See references of WO 2019092634A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019092634 A1 20190516; EP 3707087 A1 20200916

DOCDB simple family (application)

IB 2018058781 W 20181108; EP 18821728 A 20181108