

Title (en)
WRAPPING GROUP AND WRAPPING METHOD FOR WRAPPING PRODUCTS, IN PARTICULAR EDITORIAL PRODUCTS, IN CONTAINMENT BANDS

Title (de)
VERPACKUNGSGRUPPE UND VERFAHREN ZUM VERPACKEN VON PRODUKTEN, INSBESONDERE VON DRUCKPRODUKTEN, IN SICHERHEITSBÄNDERN

Title (fr)
GROUPE D'EMBALLAGE ET PROCÉDÉ D'EMBALLAGE POUR EMBALLER DES PRODUITS, EN PARTICULIER DES PRODUITS D'ÉDITION, DANS DES BANDES DE CONFINEMENT

Publication
EP 3261936 B1 20181212 (EN)

Application
EP 16716682 A 20160223

Priority
• IT MI20150285 A 20150225
• IB 2016050973 W 20160223

Abstract (en)
[origin: WO2016135628A1] A wrapping group (10) for wrapping products (P), in particular editorial products, in containment bands (F), comprising a support structure (200) which defines an advancing plane (201) and with which are associated a first conveyor (11) for conveying a plurality of products (P) one after the other and spaced apart from each other, along the advancing plane (201) and along an advancing direction (D), wherein each editorial products (P) comprises a book and/or a packet of sheets or of sheeted products stacked on each other, a feeding device (12) for feeding a plurality of containment bands (F) laid in length one after the other and spaced apart from each other along a plane substantially transversal or orthogonal to said advancing direction (D) and along a feeding direction (A) substantially transversal or orthogonal to the advancing plane (201) of the products (P), wherein each of said containment band (F) has, parallel to the feeding direction (A), a length that is greater than the dimension that the respective product (P) has parallel to said advancing direction (D), and wherein each containment band (F) is intercepted by a respective product (P) advancing along the advancing direction (D) and folded by it in two on a second conveyor (13), which is aligned with and has the same direction as the first conveyor (11), to form a U-shaped pocket in which said respective product (P) is inserted and which has a lower band portion, resting on the second conveyor (13) and whereon the respective product (P) rests, and an upper band portion, resting on the respective product (P), said lower band portion or the upper band portion having a flap (L) that extends beyond the respective product (P) and behind it with respect to the advancing sense (B) of the product (P), thus inserted in said U-shaped pocket, along said advancing direction (D), and a folding and closing device (14) for folding said flap (L) respectively on the upper band portion or on the lower band portion.

IPC 8 full level
B65B 27/08 (2006.01); **B65B 9/02** (2006.01); **B65B 11/10** (2006.01); **B65B 11/20** (2006.01); **B65B 13/16** (2006.01); **B65B 13/32** (2006.01); **B65B 25/14** (2006.01); **B65B 35/50** (2006.01); **B65B 41/00** (2006.01); **B65B 49/00** (2006.01); **B65B 51/02** (2006.01)

CPC (source: EP US)
B65B 11/10 (2013.01 - EP US); **B65B 11/20** (2013.01 - US); **B65B 25/14** (2013.01 - EP US); **B65B 27/08** (2013.01 - EP US); **B65B 35/50** (2013.01 - US); **B65B 41/00** (2013.01 - US); **B65B 49/00** (2013.01 - US); **B65B 51/02** (2013.01 - US)

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

DOCDB simple family (publication)
WO 2016135628 A1 20160901; AU 2016224922 A1 20170831; CA 2971994 A1 20160901; EP 3261936 A1 20180103; EP 3261936 B1 20181212; HK 1248661 B 20191115; JP 2018506480 A 20180308; JP 6778688 B2 20201104; US 2018002049 A1 20180104

DOCDB simple family (application)
IB 2016050973 W 20160223; AU 2016224922 A 20160223; CA 2971994 A 20160223; EP 16716682 A 20160223; HK 18108257 A 20180627; JP 2017542166 A 20160223; US 201615541048 A 20160223