

Title (en)

A METHOD AND APPARATUS FOR PACKAGING PRODUCTS IN BOX-SHAPED PACKAGES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERPACKEN VON PRODUKTEN IN SCHACHTELFÖRMIGE VERPACKUNGEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR EMBALLER DES PRODUITS DANS DES EMBALLAGES EN FORME DE BOÎTE

Publication

**EP 3680184 B1 20210901 (EN)**

Application

**EP 20150997 A 20200109**

Priority

IT 201900000545 A 20190114

Abstract (en)

[origin: EP3680184A1] A method for packaging products (22) in box-shaped packages (24), comprising:- providing a package blank (20) having a longitudinal axis (B) parallel to its prevailing development direction,- applying cold glue (44) on predetermined areas (26, 28, 30, 32, 34, 38, 42) of said package blank (20),- positioning the package blank (20) and a respective product (22) in a respective seat (14) of a forming wheel rotatable in steps about a rotation axis (A),- progressively folding said package blank (20) around the respective product (22) during the stepwise movement of said forming wheel (12) around said rotation axis (A),- applying hot glue (64) on predetermined areas (28, 42) of said partially folded package blank (20) while said package blank (20) is temporarily in a stationary position, and- completing the folding of the package blank (20) around the respective product (22).

IPC 8 full level

**B65B 19/12** (2006.01); **B65B 19/22** (2006.01); **B65B 51/00** (2006.01); **B65B 51/02** (2006.01)

CPC (source: EP)

**B65B 19/12** (2013.01); **B65B 19/22** (2013.01); **B65B 19/223** (2013.01); **B65B 19/228** (2013.01); **B65B 51/00** (2013.01); **B65B 51/02** (2013.01); **B65B 51/023** (2013.01)

Citation (opposition)

Opponent : Focke & Co. (GmbH & Co. KG)

- EP 1454829 A1 20040908 - GD SPA [IT]
- EP 2423112 A1 20120229 - FOCKE & CO [DE]
- EP 2850002 A1 20150325 - GD SPA [IT]
- EP 2419335 A2 20120222 - GIMA SPA [IT]
- DE 102008029929 A1 20091231 - FOCKE & CO [DE]
- US 3802325 A 19740409 - BARDENHAGEN D, et al
- US 5766121 A 19980616 - SPADA VALTER [IT]
- DE 19604888 A1 19960822 - GD SPA [IT]
- DE 69603231 T2 19991216 - SASIB TOBACCO SPA [IT]
- DE 102017001694 A1 20180823 - FOCKE & CO [DE]
- WO 2016012905 A1 20160128 - GIMA TT S P A [IT]
- EP 3366595 A1 20180829 - FOCKE & CO [DE]
- DE 102006047812 A1 20080410 - FOCKE & CO [DE]

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)

**EP 3680184 A1 20200715**; **EP 3680184 B1 20210901**; IT 201900000545 A1 20200714; PL 3680184 T3 20211220

DOCDB simple family (application)

**EP 20150997 A 20200109**; IT 201900000545 A 20190114; PL 20150997 T 20200109