

Title (en)

DEVICE FOR ONE-SIDED CLOSURE OF PACKAGE SLEEVES FOR THE PRODUCTION OF COMPOSITE PACKAGES

Title (de)

VORRICHTUNG ZUM EINSEITIGEN VERSCHLIESSEN VON PACKUNGSMÄNTELN FÜR DIE HERSTELLUNG VON VERBUNDPACKUNGEN

Title (fr)

DISPOSITIF POUR FERMER D'UN SEUL CÔTÉ DES ENVELOPPES D'EMBALLAGES POUR RÉALISER DES EMBALLAGES COMPOSITES

Publication

EP 3439972 B1 20200429 (DE)

Application

EP 17712073 A 20170316

Priority

- DE 102016106139 A 20160404
- DE 102016110008 A 20160531
- EP 2017056215 W 20170316

Abstract (en)

[origin: WO2017174280A1] The invention relates to a method for forming packaging bodies (88) open on one side from packaging jackets (63) open on both sides for the production of filled packagings (59), wherein: the packaging jackets (63) are kept at hand in a stack (81) for further processing, in a state in which the packaging jackets are folded flat around at least two folding edges (65) extending in the longitudinal direction of the packaging jackets (63); the packaging jackets (63) folded flat are transferred in succession from the stack (81) to a forming station (84); the packaging jackets (63) are unfolded in a forming station (84); in the forming station (84), the packaging jackets (63) are pulled through a channel (95), which comes in contact with the two opposite folding edges (65) of the packaging jacket (63) and is tapered transversely to the packaging jacket (63) and/or the packaging jackets (63) are positioned in the forming station (84) between at least two molding halves (100, 101) of a mold (99) and are unfolded by closing the mold (99); and the unfolded packaging jackets (63) are pushed from the forming station (84) onto a mandrel (86) in order to close, in particular seal, a longitudinal end (87) of the packaging jacket (63).

IPC 8 full level

B31B 50/28 (2017.01); **B31B 50/32** (2017.01); **B31B 50/78** (2017.01); **B65B 3/02** (2006.01); **B65B 7/16** (2006.01); **B31B 100/00** (2017.01)

CPC (source: EP US)

B31B 50/006 (2017.08 - EP US); **B31B 50/28** (2017.08 - EP US); **B31B 50/322** (2017.08 - EP US); **B31B 50/782** (2017.08 - EP US); **B31B 50/788** (2017.08 - EP US); **B65B 3/025** (2013.01 - EP US); **B65B 7/16** (2013.01 - EP US); **B65B 41/06** (2013.01 - US); **B65B 43/145** (2013.01 - US); **B65B 43/26** (2013.01 - US); **B65B 43/325** (2013.01 - EP US); **B65B 43/50** (2013.01 - EP US); **B65B 43/54** (2013.01 - US); **B65B 55/10** (2013.01 - US); **B65B 61/24** (2013.01 - EP US); **B31B 2100/0022** (2017.08 - EP US); **B31B 2105/0022** (2017.08 - EP US)

Cited by

WO2021148605A1

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)

DE 102016109995 A1 20171005; CN 108883845 A 20181123; CN 108883845 B 20200728; CN 108883847 A 20181123; CN 108883847 B 20201110; CN 108883850 A 20181123; CN 108883850 B 20210205; CN 109153467 A 20190104; CN 109311548 A 20190205; CN 109311548 B 20210730; DE 102016109979 A1 20171005; DE 102016109979 A9 20180426; DE 102016109980 A1 20171005; DE 102016109980 A9 20180426; DE 102016109996 A1 20171005; DE 102016110008 A1 20171005; EP 3439964 A1 20190213; EP 3439964 B1 20200603; EP 3439970 A1 20190213; EP 3439970 B1 20200624; EP 3439971 A1 20190213; EP 3439971 B1 20200610; EP 3439972 A1 20190213; EP 3439972 B1 20200429; EP 3439974 A1 20190213; EP 3439974 B1 20200506; EP 3581507 A1 20191218; ES 2792086 T3 20201110; ES 2793015 T3 20201112; ES 2802449 T3 20210119; ES 2803375 T3 20210126; JP 2019510699 A 20190418; JP 2019510705 A 20190418; JP 2019513636 A 20190530; JP 2019513649 A 20190530; JP 6864737 B2 20210428; JP 6899843 B2 20210707; JP 6921110 B2 20210818; PL 3439964 T3 20200824; PL 3439971 T3 20200921; PL 3439972 T3 20200713; PL 3439974 T3 20201019; US 10926896 B2 20210223; US 11203448 B2 20211221; US 11745903 B2 20230905; US 2019055045 A1 20190221; US 2019112081 A1 20190418; US 2019112082 A1 20190418; US 2019112090 A1 20190418; US 2019152628 A1 20190523; WO 2017174280 A1 20171012; WO 2017174318 A1 20171012; WO 2017174321 A1 20171012; WO 2017174347 A1 20171012; WO 2017174497 A1 20171012

DOCDB simple family (application)

DE 102016109995 A 20160531; CN 201780022283 A 20170321; CN 201780022294 A 20170403; CN 201780022350 A 20170307; CN 201780022497 A 20170316; CN 201780022555 A 20170316; DE 102016109979 A 20160531; DE 102016109980 A 20160531; DE 102016109996 A 20160531; DE 102016110008 A 20160531; EP 17709081 A 20170307; EP 17711151 A 20170316; EP 17712073 A 20170316; EP 17712477 A 20170321; EP 17716150 A 20170403; EP 19190904 A 20170321; EP 2017055301 W 20170307; EP 2017056199 W 20170316; EP 2017056215 W 20170316; EP 2017056659 W 20170321; EP 2017057837 W 20170403; ES 17711151 T 20170316; ES 17712073 T 20170316; ES 17712477 T 20170321; ES 17716150 T 20170403; JP 2018551963 A 20170316; JP 2018551964 A 20170316; JP 2019502143 A 20170307; JP 2019502154 A 20170403; PL 17711151 T 20170316; PL 17712073 T 20170316; PL 17712477 T 20170321; PL 17716150 T 20170403; US 201716079662 A 20170321; US 201716090340 A 20170316; US 201716090365 A 20170316; US 201716090378 A 20170307; US 201716090387 A 20170403