

Title (en)

FORM FILL SEAL PROCEDURE FOR PACKAGING ARTICLES IN BAG FILLED WITH AIR

Title (de)

FORM FULL SIEGEL VERFAHREN ZUR VERPACKUNG VON ARTIKEL IN LUFT GEFÜLLTE BEUTEL

Title (fr)

PROCEDE POUR FORMER REMPLIR SCELLER POUR EMBALLER DES ARTICLES DANS UN SAC GONFLE D'AIR

Publication

EP 3071485 B2 20221123 (EN)

Application

EP 14739936 A 20140606

Priority

- IT MO20130318 A 20131119
- IB 2014062014 W 20140606

Abstract (en)

[origin: WO2015075568A1] The procedure for packaging articles comprises the steps of: providing a packaging sheet (2) having a longitudinal extension and two longitudinal edges (4); moving the packaging sheet (2) forward along a direction of forward movement (A) substantially parallel to the longitudinal extension; arranging a plurality of articles (3) on the packaging sheet (2) at a reciprocal distance (D) along the direction of forward movement (A); - moving the longitudinal edges (4) close to each other to form a substantially tubular section (10) of the packaging sheet (2) having an open extremity (11) and the articles (3) inside; blowing air in the substantially tubular section (10) through the open extremity (11); - sealing the longitudinal edges (4) together longitudinally; sealing transversally the substantially tubular section (10) downstream and upstream of each of the articles (3) to form a plurality of closed packages (22) containing the articles (3) and substantially swollen with air.

IPC 8 full level

B65B 31/00 (2006.01); **B65B 9/067** (2012.01); **B65B 31/04** (2006.01); **B65B 51/30** (2006.01)

CPC (source: EP)

B65B 9/067 (2013.01); **B65B 31/006** (2013.01); **B65B 31/044** (2013.01); **B65B 51/306** (2013.01); **B65B 2220/08** (2013.01)

Citation (opposition)

Opponent :

- JP S546682 A 19790118 - DAIDO OXYGEN
- EP 0897870 A1 19990224 - KLOECKNER HAENSEL TEVOPHARM [NL]
- US 2919990 A 19600105 - PODLESAK HARRY G, et al
- GB 2349862 A 20001115 - DAIRY CREST LTD [GB]
- WO 2013011533 A1 20130124 - CO ME SA S R L [IT], et al
- US 5109654 A 19920505 - SUGA TADORU [JP]
- US 3598390 A 19710810 - ARMITAGE FIRTH KAY

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 2015075568 A1 20150528; CY 1119936 T1 20181212; DK 3071485 T3 20180226; EP 3071485 A1 20160928; EP 3071485 B1 20171213; EP 3071485 B2 20221123; ES 2659762 T3 20180319; HR P20180406 T1 20180420; HU E036282 T2 20180628; IT MO20130318 A1 20150520; LT 3071485 T 20180425; PL 3071485 T3 20180629; PT 3071485 T 20180227; RS 56994 B1 20180531; SI 3071485 T1 20180430

DOCDB simple family (application)

IB 2014062014 W 20140606; CY 181100214 T 20180222; DK 14739936 T 20140606; EP 14739936 A 20140606; ES 14739936 T 20140606; HR P20180406 T 20180308; HU E14739936 A 20140606; IT MO20130318 A 20131119; LT 14739936 T 20140606; PL 14739936 T 20140606; PT 14739936 T 20140606; RS P20180260 A 20140606; SI 201430646 T 20140606