

Title (en)
APPARATUS AND METHOD OF FORMING AN OPEN BASE AT A BAG BODY

Title (de)
VORRICHTUNG UND VERFAHREN ZUM AUSBILDEN EINER BODENÖFFNUNG AN EINEM SACKKÖRPER

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR FORMER UN FOND OUVERT SUR UN CORPS DE SAC

Publication
EP 3148788 B1 20171018 (DE)

Application
EP 15731827 A 20150520

Priority
• AT 503542014 A 20140520
• AT 2015050127 W 20150520

Abstract (en)
[origin: WO2015176094A1] The invention relates to a device and a method for forming a bottom opening (8) between bag sections (2', 2'') at the open end region (9) of a tubular bag body (2), comprising a transport device (3) for transporting the bag body (2) in a transport direction (5) transversely to its longitudinal extension (6), and an opening device (7) for forming the bottom opening (8) between the bag sections (2', 2'') at the open end region (9) of the tubular bag body (2). According to the invention, the opening device (7) comprises at least two spreading elements (10) in the form of wedge elements (12; 12', 12'', 12'''), which are successively arranged in the direction of transport (5) of the tubular bag body (2) and which are provided with edge surfaces (14; 14', 14'') rising counter to the rotational direction (13), by which the bag sections (2', 2'') can be spread apart at the open end region (9) of the tubular bag body (2) during the transport thereof on the transport device (3), wherein the wedge elements (12; 12', 12'', 12''') of successive spreading elements (10) have different wedge heights (h), which increase in the direction of transport (5) of the tubular bag body (2), preferably perpendicular to the support surface (4) for the tubular bag body (2) on the transport device (3).

IPC 8 full level
B31B 50/78 (2017.01); **B31B 70/26** (2017.01); **B31B 150/20** (2017.01); **B31B 160/20** (2017.01)

CPC (source: AT EP US)
B31B 70/00 (2017.08 - AT EP); **B31B 70/003** (2017.08 - AT EP US); **B31B 70/04** (2017.08 - EP); **B31B 70/262** (2017.08 - EP); **B31B 2160/20** (2017.08 - AT); **B31B 70/56** (2017.08 - EP); **B31B 2150/00** (2017.08 - AT EP); **B31B 2150/001** (2017.08 - EP); **B31B 2150/0014** (2017.08 - AT EP); **B31B 2150/003** (2017.08 - EP); **B31B 2160/10** (2017.08 - EP); **B31B 2160/20** (2017.08 - EP)

Cited by
EP4149748A4

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 2015176094 A1 20151126; AT 515831 A1 20151215; AT 515831 B1 20160715; BR 112016026891 B1 20210223; CN 106660295 A 20170510; CN 106660295 B 20190129; EP 3148788 A1 20170405; EP 3148788 B1 20171018; TW 201600325 A 20160101; TW I640420 B 20181111

DOCDB simple family (application)
AT 2015050127 W 20150520; AT 503542014 A 20140520; BR 112016026891 A 20150520; CN 201580033390 A 20150520; EP 15731827 A 20150520; TW 104115894 A 20150519