

Title (en)

Apparatus and method for opening an end area of a tubular sack body

Title (de)

Vorrichtung und Verfahren zum Öffnen eines Endbereichs eines schlauchförmigen Sackkörpers

Title (fr)

Dispositif et procédé destinés à ouvrir une zone d'extrémité d'un corps de sachet tubulaire

Publication

EP 2711164 B1 20160622 (DE)

Application

EP 12185656 A 20120924

Priority

EP 12185656 A 20120924

Abstract (en)

[origin: EP2711164A1] The device (1) has suction devices (13, 14) moved forwards and backwards in an oblique direction (S), which is oriented in a transport direction (T) and at an angle (alpha) to a floor central line. The suction devices are arranged at a holder, which is hingedly connected with ends of two parallel pivot arms. One of the arms is pivotably driven transverse to the transport direction. Other ends of the pivot arms are hingedly connected with support carriage. The carriage is movably driven forwards and backwards in a guide rail in the oblique direction.

IPC 8 full level

B31B 1/80 (2006.01); **B31B 29/00** (2006.01); **B31B 50/80** (2017.01)

CPC (source: EP US)

B31B 70/00 (2017.07 - EP); **B31B 70/003** (2017.07 - EP US); **B31B 2150/00** (2017.07 - EP); **B31B 2150/0014** (2017.07 - EP); **B31B 2150/003** (2017.07 - EP); **B31B 2160/20** (2017.07 - EP)

Cited by

KR20190028699A; JP2019521049A; EP3269539A1; WO2018011114A1; US10960634B2; EP3498624A1; WO2019115105A1

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 2711164 A1 20140326; **EP 2711164 B1 20160622**; CN 104812561 A 20150729; CN 104812561 B 20161019; ES 2592534 T3 20161130; IN 2703DEN2015 A 20150904; PH 12015500558 A1 20150511; PH 12015500558 B1 20150511; TW 201412608 A 20140401; TW I477424 B 20150321; WO 2014044532 A1 20140327

DOCDB simple family (application)

EP 12185656 A 20120924; CN 201380049509 A 20130904; EP 2013068303 W 20130904; ES 12185656 T 20120924; IN 2703DEN2015 A 20150402; PH 12015500558 A 20150313; TW 102133905 A 20130918