

Title (en)

PACKAGING AID, PACKING METHOD, AND PACKING WORKPLACE

Title (de)

VERPACKUNGSHILFE, PACKVERFAHREN UND PACK-ARBEITSPLATZ

Title (fr)

MOYEN D'AIDE À L'EMBALLAGE, PROCÉDÉ D'EMBALLAGE ET POSTE DE TRAVAIL D'EMBALLAGE

Publication

EP 3071486 A1 20160928 (DE)

Application

EP 14802356 A 20141113

Priority

- DE 102014101268 A 20140203
- EP 2014074499 W 20141113

Abstract (en)

[origin: WO2015113665A1] The invention relates to a packing workplace (18) for packing articles (26), which belong to a picking order, into a shipping unit, in particular into a shipping carton, comprising a packing device (60) that has a packing plane (32) which is preferably oriented horizontally and on which the articles (26) can be stacked into an article stack (74); a stacking aid (30) with multiple lateral faces (34) on which the articles (26) can be placed for the purpose of forming the article stack (74), wherein the stacking aid (30) can be positioned on the packing plane (32); and a measuring device (20) for determining dimensions of the article stack (74) in order to produce the shipping unit in an individualized manner according to the thus determined dimensions. The invention is characterized in that the lateral faces (34) of the stacking aid (30) are connected to one another in a closed manner in a circumferential direction of the stacking aid (30); the lateral faces (30) define an open lower face (40) and an open upper face (38) of the stacking aid (30), the lateral faces (34), preferably each of the lateral faces, being longitudinally adjustable at least along the circumferential direction in order to sealingly place the lateral faces (34) against a stacked article stack (74) in a circumferential manner; and the measuring device (20) is designed to measure a length of the lateral faces (34), preferably of each of the lateral faces, of the stacking aid (30), to determine a maximum height of the article stack (74), and to transmit the measured lengths (L) and the height determined in this manner to a packaging production device (22) which produces the shipping unit according to the measured lengths (L) and the determined height.

IPC 8 full level

B65B 35/50 (2006.01); **B65B 11/00** (2006.01); **B65B 39/02** (2006.01); **B65B 57/12** (2006.01); **B65B 59/00** (2006.01); **B65B 67/10** (2006.01)

CPC (source: EP US)

B65B 7/16 (2013.01 - US); **B65B 11/004** (2013.01 - EP US); **B65B 35/50** (2013.01 - EP US); **B65B 39/02** (2013.01 - EP US); **B65B 43/08** (2013.01 - US); **B65B 57/12** (2013.01 - EP US); **B65B 59/001** (2019.04 - EP US); **B65B 59/003** (2019.04 - EP US); **B65B 67/10** (2013.01 - EP US); **B65B 2210/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2015113665A1

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 2015113665 A1 20150806; DE 102014101268 A1 20150820; DE 102014101268 B4 20160929; EP 3071486 A1 20160928; EP 3071486 B1 20170712; US 2016340067 A1 20161124; US 9789985 B2 20171017

DOCDB simple family (application)

EP 2014074499 W 20141113; DE 102014101268 A 20140203; EP 14802356 A 20141113; US 201615225948 A 20160802