

Title (en)

DEVICE FOR PROVIDING A THREE-DIMENSIONAL CUSHIONING MATERIAL FOR CUSHIONING AN EMPTY VOLUME IN A TRANSPORT CONTAINER

Title (de)

VORRICHTUNG ZUR BEREITSTELLUNG EINES DREIDIMENSIONALEN POLSTERMITTELS ZUM POLSTERN EINES LEERVOLUMENS IN EINEM TRANSPORTBEHÄLTER

Title (fr)

DISPOSITIF POUR METTRE À DISPOSITION UN MOYEN DE REMBOURRAGE TRIDIMENSIONNEL POUR REMBOURRER UN VOLUME VIDE DANS UN CONTENANT DE TRANSPORT

Publication

EP 3762224 B1 20220323 (DE)

Application

EP 19701208 A 20190118

Priority

- DE 102018105435 A 20180309
- EP 2019051267 W 20190118

Abstract (en)

[origin: WO2019170311A1] The invention relates to a device for providing a three-dimensional cushioning material for cushioning an empty volume in a transport container, comprising a deforming device for deforming a flat web-like starting material into the three-dimensional cushioning material and a receiving device (36) for receiving at least regions of a stack (38) of the web-like starting material folded in a zigzagging manner. The receiving device (36) has a first lateral contact device (48) for a first stack type, which has a first width (B1), and a second lateral contact device (50) for a second stack type, which has a second width (B2), such that either a stack (38) of the first stack type or a stack (38) of the second stack type can be arranged in the receiving device (36) in a centered manner relative to the same central axis (54).

IPC 8 full level

B31D 5/00 (2017.01)

CPC (source: EP US)

B31D 1/0043 (2013.01 - US); **B31D 5/0043** (2013.01 - EP US); **B65H 1/04** (2013.01 - EP US); **B65H 1/266** (2013.01 - US); **B65H 20/02** (2013.01 - US); **B65H 29/16** (2013.01 - US); **B31D 2205/0035** (2013.01 - EP); **B31D 2205/0082** (2013.01 - EP); **B65H 2301/11** (2013.01 - US); **B65H 2301/5122** (2013.01 - US); **B65H 2405/1112** (2013.01 - EP); **B65H 2405/1132** (2013.01 - EP); **B65H 2405/1142** (2013.01 - US); **B65H 2405/312** (2013.01 - US); **B65H 2701/11218** (2013.01 - US); **B65H 2701/11231** (2013.01 - US); **B65H 2701/50** (2013.01 - US)

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 2019170311 A1 20190912; DE 102018105435 A1 20190912; EP 3762224 A1 20210113; EP 3762224 B1 20220323; US 11091333 B2 20210817; US 2021001586 A1 20210107

DOCDB simple family (application)

EP 2019051267 W 20190118; DE 102018105435 A 20180309; EP 19701208 A 20190118; US 201916979289 A 20190118