

Title (en)

METHOD AND SHRINKING DEVICE FOR SHRINKING A THERMOPLASTIC PACKAGING MATERIAL ONTO ARTICLES

Title (de)

VERFAHREN UND SCHRUMPFVORRICHTUNG ZUM AUFSCHRUMPFEN EINES THERMOPLASTISCHEN VERPACKUNGSMATERIALS AUF ARTIKEL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉTRACTATION DESTINÉS À LA RÉTRACTATION D'UNE MATIÈRE D'EMBALLAGE THERMOPLASTIQUE SUR DES ARTICLES

Publication

**EP 3812288 B1 20230906 (DE)**

Application

**EP 20201689 A 20201014**

Priority

- DE 102019128873 A 20191025
- DE 102020120705 A 20200805

Abstract (en)

[origin: CN215098710U] The utility model relates to a shrinking device for shrinking a thermoplastic packaging material (4) to an article (2) or a combination of the articles (2). In this case, the articles (2) encapsulated with the thermoplastic packaging material (4) or the combination of the articles (2) encapsulated with the thermoplastic packaging material (4) are conveyed through a transport path (TS) in a transport direction (TR) through a constriction device (10). Wherein a shrinking medium (HL) having a first temperature (T1) is applied from above to the articles (2) encapsulated with the thermoplastic packaging material (4) or to a combination of the articles (2) encapsulated with the thermoplastic packaging material (4). Furthermore, the articles (2) encapsulated with the thermoplastic packaging material (4) or a combination of articles (2) encapsulated with the thermoplastic packaging material (4) are applied laterally with a shrinkage medium (HL), which has a second temperature (T2).

IPC 8 full level

**B65B 53/06** (2006.01); **B65B 21/24** (2006.01); **B65B 57/00** (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP)

**B65B 21/245** (2013.01); **B65B 53/063** (2013.01); **B65B 57/00** (2013.01); **B65B 65/006** (2013.01)

Cited by

EP4067247A1

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 3812288 A1 20210428**; **EP 3812288 B1 20230906**; CN 215098710 U 20211210; PT 3812288 T 20231116

DOCDB simple family (application)

**EP 20201689 A 20201014**; CN 202022284202 U 20201014; PT 20201689 T 20201014