

Title (en)

APPARATUS AND METHOD FOR FILLING OF ROD-SHAPED ARTICLES IN PACKAGING

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN ZUM FÜLLEN VON STABFÖRMIGEN ARTIKELN IN VERPACKUNGEN

Title (fr)

APPAREIL, SYSTÈME ET PROCÉDÉ DE REMPLISSAGE D'ARTICLES EN FORME DE TIGE DANS UN EMBALLAGE

Publication

**EP 3766790 A1 20210120 (EN)**

Application

**EP 19189620 A 20190801**

Priority

US 201916516557 A 20190719

Abstract (en)

An apparatus (200) and method which may facilitate the placing of rod-like articles, such as cigarettes, into waiting packaging, including a space into which articles may be inserted, this space described by a base (201) and a plurality of side walls (210). A sheet of deformable material (240) may then be secured to the apparatus (200), such as by vacuum force provided via vacuum openings (230,231) located in the side walls (210), to further bound the space and provide support for the articles contained therein while the apparatus (200) is transported or reoriented during the packaging method.

IPC 8 full level

**B65B 19/02** (2006.01); **B65B 19/10** (2006.01); **B65B 19/22** (2006.01)

CPC (source: CN EP US)

**B65B 19/025** (2013.01 - CN EP US); **B65B 19/10** (2013.01 - EP); **B65B 19/12** (2013.01 - US); **B65B 19/223** (2013.01 - EP); **B65B 19/226** (2013.01 - EP); **B65B 19/228** (2013.01 - EP); **B65B 19/34** (2013.01 - CN); **B65B 41/02** (2013.01 - CN)

Citation (applicant)

US 7325382 B2 20080205 - NELSON JOHN LARKIN [US], et al

Citation (search report)

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- [Y] US 3924386 A 19751209 - SCHMERMUND ALFRED
- [A] EP 0622299 A1 19941102 - FOCKE & CO [DE]
- [A] WO 2010119474 A1 20101021 - GIMA SPA [IT], et al
- [A] WO 2016066989 A1 20160506 - BRITISH AMERICAN TOBACCO CO [GB]
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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)

**EP 3766790 A1 20210120**; CN 112238966 A 20210119; US 2021016908 A1 20210121

DOCDB simple family (application)

**EP 19189620 A 20190801**; CN 201910842492 A 20190906; US 201916516557 A 20190719