

Title (en)

PALLETIZED OR PALLETIZABLE ARRANGEMENT AND PROCESS FOR ITS PRODUCTION

Title (de)

PALETTIERTE ODER PALETTIERBARE ANORDNUNG UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

ARRANGEMENT PALETTISÉ OU PALETTISABLE ET PROCÉDÉ POUR SON PRODUCTION

Publication

EP 2991905 B1 20170607 (DE)

Application

EP 14719688 A 20140416

Priority

- DE 102013208136 A 20130503
- EP 2014057766 W 20140416

Abstract (en)

[origin: WO2014177385A1] The invention relates to a pallettised or palletisable arrangement for storage and transport purposes of a plurality of bag packages (4) containing hygiene articles (2) as primary packages (6), the bag packages (4) not being accommodated in cardboard outer packaging, having the following features: the arrangement comprises a plurality of bag packages (4) assembled to form separate secondary packages (12), said secondary packages (12) being arranged next to each other and above each other in a first direction (14); a respective secondary package (12) is formed in that a plurality of bag packages (4) is arranged to form a cuboid shape (10) and said cuboid shape (10) is completely surrounded and at the same time compressed by two separate stretch film wrappings (20, 22), which are oriented rotated by 90 degrees to each other; the secondary packages (12) that are arranged next to each other and above each other are held against each other by a multiplicity of stretch film windings (48) to form the arrangement; the stretch film windings (48) comprise top windings (54), bottom windings (56) and helical windings (58) that run in a helical manner from the top windings (54) towards the bottom windings (56), and helical windings (60) that run in a helical manner from the bottom windings (56) towards the top windings (54), supporting windings (62, 64) additionally being provided between the top windings (54) and the bottom windings (56) in a plane substantially perpendicular to the first direction (14), said windings substantially completely covering each other in the respective plane.

IPC 8 full level

B65B 63/02 (2006.01); **B65B 9/02** (2006.01); **B65B 11/02** (2006.01); **B65B 11/04** (2006.01); **B65D 71/00** (2006.01); **B65D 75/00** (2006.01); **B65D 85/07** (2017.01)

CPC (source: EP)

B65B 9/026 (2013.01); **B65B 11/025** (2013.01); **B65B 11/045** (2013.01); **B65B 63/02** (2013.01); **B65D 71/0088** (2013.01); **B65D 75/006** (2013.01); **B65D 85/07** (2017.12)

Cited by

KR20190042816A

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)

DE 102013208136 A1 20141106; EP 2991905 A1 20160309; EP 2991905 B1 20170607; ES 2636241 T3 20171005; WO 2014177385 A1 20141106

DOCDB simple family (application)

DE 102013208136 A 20130503; EP 14719688 A 20140416; EP 2014057766 W 20140416; ES 14719688 T 20140416