

Title (en)

METHOD AND DEVICE FOR HANDLING (FLAT) OBJECTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HANDHABEN VON (FLACHEN) GEGENSTÄNDEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MANIPULATION D'OBJETS (PLATS)

Publication

**EP 4284721 A1 20231206 (DE)**

Application

**EP 22703574 A 20220125**

Priority

- DE 102021102034 A 20210129
- EP 2022051580 W 20220125

Abstract (en)

[origin: CA3205163A1] The invention relates to a method for handling (flat) objects (10), in particular hygiene products such as diapers, sanitary pads, or the like. A group (11) of objects (10) are subjected to a compression process in a compressing device (18) so that the group (11) of objects (10) have a degree of compression as a result of the compression process. The invention is characterized in that multiple compressing devices (18) are arranged one after the other such that the group (11) of objects (10) compressed by one compressing device (18) are supplied to the following compressing device (18) with the respective degree of compression of the objects and are further compressed in the following compressing device (18) in order to achieve a higher degree of compression.

IPC 8 full level

**B65B 13/20** (2006.01); **B65B 63/02** (2006.01); **B65G 47/08** (2006.01)

CPC (source: EP US)

**B65B 13/20** (2013.01 - EP); **B65B 63/02** (2013.01 - EP); **B65B 63/026** (2013.01 - EP); **B65G 15/06** (2013.01 - US); **B65G 15/14** (2013.01 - EP); **B65G 15/22** (2013.01 - US); **B65G 15/24** (2013.01 - EP); **B65G 47/53** (2013.01 - EP); **B65G 47/82** (2013.01 - EP); **B65G 2201/022** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021102034 A1 20220804**; CA 3205163 A1 20220804; EP 4284721 A1 20231206; JP 2024504460 A 20240131; MX 2023008974 A 20230815; US 2024051759 A1 20240215; WO 2022161931 A1 20220804

DOCDB simple family (application)

**DE 102021102034 A 20210129**; CA 3205163 A 20220125; EP 2022051580 W 20220125; EP 22703574 A 20220125; JP 2023545942 A 20220125; MX 2023008974 A 20220125; US 202218260288 A 20220125