

Title (en)

METHOD AND DEVICE FOR HANDLING NON-UPRIGHT ARTICLES IN A PRODUCT FLOW FOR AVOIDING ERRORS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UMGANG MIT NICHT AUFRECHT STEHENDEN ARTIKELN EINES ARTIKELSTROMS UNTER VERMEIDUNG VON STÖRUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT D'ARTICLES NON VERTICAUX D'UN COURANT D'ARTICLES EN ÉVITANT DES INTERRUPTIONS

Publication

**EP 3638608 A2 20200422 (DE)**

Application

**EP 18731798 A 20180612**

Priority

- DE 102017209984 A 20170613
- EP 2018065555 W 20180612

Abstract (en)

[origin: WO2018229077A2] The invention relates to a method (100) for handling regularly conveyed and/or aligned and/or non-upright articles in a product flow for avoiding errors. The method (100) comprises the following steps: - recognising at least one product as a non-upright product in a product flow as an error, - carrying out a correction step of resolving the error, the correction step consisting of removing the at least one product detected as a non-upright product from the product flow or from a transfer of the respective at least one product detected as not being upright in an upright orientation, wherein - temporally in front of and/or temporally overlapping, in the correction step, a defined action is carried out on the at least one product detected as being non-upright and/or other non-upright products in the product flow, the defined action being designed to prevent errors when carrying out the correction step.

IPC 8 full level

**B65G 47/256** (2006.01); **B65G 43/08** (2006.01); **B65G 47/31** (2006.01); **B65G 47/52** (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP US)

**B65G 43/08** (2013.01 - EP); **B65G 47/24** (2013.01 - US); **B65G 47/244** (2013.01 - US); **B65G 47/256** (2013.01 - EP US);  
**B65G 47/914** (2013.01 - US); **B65G 47/31** (2013.01 - EP); **B65G 47/525** (2013.01 - EP); **B65G 47/907** (2013.01 - EP);  
**B65G 47/908** (2013.01 - EP); **B65G 2201/0235** (2013.01 - US); **B65G 2201/0244** (2013.01 - EP); **B65G 2203/0225** (2013.01 - US);  
**B65G 2203/025** (2013.01 - US); **B65G 2203/0291** (2013.01 - US); **B65G 2811/0626** (2013.01 - US); **B65G 2811/0678** (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

DOCDB simple family (publication)

**DE 102017209984 A1 20181213**; CN 211997643 U 20201124; EP 3638608 A2 20200422; US 11117754 B2 20210914;  
US 2020095067 A1 20200326; WO 2018229077 A2 20181220; WO 2018229077 A3 20190404

DOCDB simple family (application)

**DE 102017209984 A 20170613**; CN 201890000934 U 20180612; EP 18731798 A 20180612; EP 2018065555 W 20180612;  
US 201816620038 A 20180612