

Title (en)  
PRODUCT STACKING DEVICE

Title (de)  
PRODUKTSTAPELVORRICHTUNG

Title (fr)  
DISPOSITIF D'EMPILAGE DE PRODUITS

Publication  
**EP 2874888 A1 20150527 (DE)**

Application  
**EP 13739648 A 20130716**

Priority  
• DE 102012212825 A 20120720  
• EP 2013064965 W 20130716

Abstract (en)  
[origin: WO2014012913A1] The invention relates to a product stacking device for forming product stacks (12 a-k) of product groups (14 a-k) consisting of products (16 a-k), which lie flatly and/or are brought into a shingled product arrangement (64 a-k), during a transportation movement (28 a-k). The product stacking device comprises at least two stop means (18 a-k) with stack contact surfaces (20 a-k), which are provided in order to form the product stack (12 a-k). A merging unit (22 a-k) is provided for forming at least one product stack (12 a-k) by reducing a spacing (24 a-k) between stack contact surfaces (20 a-k) of at least two stop means (18 a-k), said stack contact surfaces lying opposite one another in a product group direction (26 a-k).

IPC 8 full level  
**B65B 23/14** (2006.01); **B65G 47/08** (2006.01)

CPC (source: CN EP US)  
**B65B 23/14** (2013.01 - CN EP US); **B65B 35/44** (2013.01 - EP US); **B65B 35/50** (2013.01 - CN US); **B65H 29/6618** (2013.01 - EP US); **B65H 31/309** (2013.01 - EP US); **B65H 33/16** (2013.01 - EP US); **B65H 2301/4212** (2013.01 - EP US); **B65H 2301/4213** (2013.01 - EP US); **B65H 2301/42144** (2013.01 - EP US)

Citation (search report)  
See references of WO 2014012913A1

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)  
**WO 2014012913 A1 20140123**; BR 112015000471 A2 20170801; BR 112015000471 B1 20210112; CN 104470808 A 20150325; CN 104470808 B 20180918; DE 102012212825 A1 20140123; EP 2874888 A1 20150527; EP 2874888 B1 20161005; IN 10918DEN2014 A 20150918; JP 2015528779 A 20151001; JP 2017137196 A 20170810; JP 6159799 B2 20170705; JP 6368814 B2 20180801; US 2015217886 A1 20150806; US 9850012 B2 20171226

DOCDB simple family (application)  
**EP 2013064965 W 20130716**; BR 112015000471 A 20130716; CN 201380037979 A 20130716; DE 102012212825 A 20120720; EP 13739648 A 20130716; IN 10918DEN2014 A 20141219; JP 2015522068 A 20130716; JP 2017053844 A 20170320; US 201314414346 A 20130716