

Title (en)

STORAGE MODULE WITH PILING AND DEPIILING FUNCTIONS

Title (de)

SPEICHERMODUL MIT STAPELUNGS- UND ENTSTAPELUNGSFUNKTION

Title (fr)

MODULE DE STOCKAGE AVEC DES FONCTIONS D'EMPILAGE ET DE DÉPILAGE

Publication

EP 3052413 A1 20160810 (FR)

Application

EP 14755856 A 20140710

Priority

- FR 1359385 A 20130930
- FR 2014051779 W 20140710

Abstract (en)

[origin: WO2015044540A1] The invention relates to a storage module (1) comprising a storage area (3) for storing, by accumulation, flat items (2) in a pile on edge, a main conveyor (9) which extends transversely to the storage area, a piling function for transferring an item from the main conveyor to the storage area and piling it behind the pile of items in the storage area, and a depiling function for extracting an item from the pile of items and transferring same to the main conveyor. The depiling function comprises an depiling plate (7) with a perforated belt and controlled suction, arranged between the main conveyor and the storage area, said depiling plate having a first segment parallel to the pile of items and a second segment adjacent to the first segment and extending obliquely to the first segment, said controlled suction being arranged in the second oblique segment of the depiling plate.

IPC 8 full level

B65H 31/06 (2006.01); **B07C 1/02** (2006.01); **B65H 3/12** (2006.01); **B65H 3/56** (2006.01); **B65H 83/02** (2006.01)

CPC (source: EP US)

B07C 1/025 (2013.01 - EP US); **B65H 1/02** (2013.01 - US); **B65H 1/08** (2013.01 - US); **B65H 3/12** (2013.01 - US); **B65H 3/124** (2013.01 - EP US); **B65H 3/54** (2013.01 - US); **B65H 3/565** (2013.01 - EP US); **B65H 31/06** (2013.01 - EP US); **B65H 31/08** (2013.01 - US); **B65H 83/025** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Citation (search report)

See references of WO 2015044540A1

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 2015044540 A1 20150402; CA 2924266 A1 20150402; CA 2924266 C 20180320; DK 3052413 T3 20171106; EP 3052413 A1 20160810; EP 3052413 B1 20170906; ES 2644821 T3 20171130; FR 3011233 A1 20150403; FR 3011233 B1 20150904; JP 3206477 U 20160923; NO 3052413 T3 20180203; NZ 718169 A 20161125; PT 3052413 T 20171020; US 2016257510 A1 20160908; US 9611112 B2 20170404

DOCDB simple family (application)

FR 2014051779 W 20140710; CA 2924266 A 20140710; DK 14755856 T 20140710; EP 14755856 A 20140710; ES 14755856 T 20140710; FR 1359385 A 20130930; JP 2016600036 U 20140710; NO 14755856 A 20140710; NZ 71816914 A 20140710; PT 14755856 T 20140710; US 201414386227 A 20140710