

Title (en)

ARTICLE SEPARATING MEANS DIRECTLY INTO A SHELF STORAGE AND RETRIEVAL UNIT

Title (de)

ARTIKELVEREINZELUNG DIREKT IN REGALBEDIENGERÄT

Title (fr)

DÉSASSOCIATION D ARTICLES DIRECTEMENT DANS L APPAREIL DE DESSERTES DES RAYONNAGES

Publication

EP 2265519 A1 20101229 (DE)

Application

EP 09732214 A 20090414

Priority

- EP 2009002709 W 20090414
- DE 102008019404 A 20080414

Abstract (en)

[origin: WO2009127383A1] A shelf storage and retrieval unit and a method for storing and retrieving articles for loading and unloading in a shelf store are disclosed, wherein the articles are stored on loading aid means, preferably with a single article per loading aid means, in particular per shelf board, in storage spaces of at least one shelf of the shelf store, having the following steps: moving of a shelf storage and retrieval unit to a receiving point in the shelf, which shelf storage and retrieval unit can be moved in the longitudinal direction of the shelf and has an adjustable-height elevating platform; receiving of a loading aid means which is loaded with an article from the shelf onto a load receiving means of the shelf storage and retrieval unit; separating of the article from the received loading aid means on the elevating platform by means of a separating station; moving of the shelf storage and retrieval unit to a transfer point, where the shelf storage and retrieval unit couples in a transverse direction of the shelf to an article delivery technical means which runs in the longitudinal direction of the shelf at the transfer point; and discharging of the separated article from the elevating platform to the article delivery technical means.

IPC 8 full level

B65G 1/04 (2006.01); **B65G 1/137** (2006.01)

CPC (source: EP US)

B65G 1/0407 (2013.01 - EP US); **B65G 1/1375** (2013.01 - EP US)

Citation (search report)

See references of WO 2009127383A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009127383 A1 20091022; DE 102008019404 A1 20091029; DE 102008019404 B4 20110421; EP 2265519 A1 20101229; US 2011097182 A1 20110428; US 8342792 B2 20130101

DOCDB simple family (application)

EP 2009002709 W 20090414; DE 102008019404 A 20080414; EP 09732214 A 20090414; US 90050410 A 20101008