

Title (en)

METHOD AND APPARATUS FOR PROCESSING VALUE DOCUMENTS

Title (de)

VERFAHREN UND VORRICHTUNG FÜR DIE BEARBEITUNG VON WERTDOKUMENTEN

Title (fr)

MÉTHODE ET DISPOSITIF DE TRAITEMENTS DE DOCUMENTS DE VALEUR

Publication

EP 2859538 B1 20190807 (DE)

Application

EP 13727051 A 20130605

Priority

- DE 102012011231 A 20120606
- EP 2013001649 W 20130605

Abstract (en)

[origin: WO2013182305A1] The present invention relates to the automatic removal of stacks of documents of value from a container with the aid of a gripper. In order to separate different document stacks, the container is subdivided into a plurality of storage regions by partition elements. Since the partition-element positions of different document containers may differ, the positions at which the partition elements are arranged along the container are determined for the container which is to be processed in each case. Determination of the partition-element positions takes place independently of the gripper, at a point in time before the gripper is moved in the direction of the container. The information determined in relation to the partition-element positions belonging to the container is then communicated to a gripper-control means, which is designed for controlling the movement of the gripper, in order for documents of value to be removed from the container.

IPC 8 full level

G07D 11/00 (2019.01)

CPC (source: EP KR RU US)

B65B 69/00 (2013.01 - KR RU US); **B65H 1/02** (2013.01 - EP KR US); **B65H 1/28** (2013.01 - EP KR US); **B65H 1/30** (2013.01 - EP KR US);
B65H 7/02 (2013.01 - EP KR US); **B65H 31/3045** (2013.01 - EP KR US); **G07D 11/12** (2018.12 - EP KR US); **G07D 11/165** (2018.12 - EP KR US);
B65H 2301/42242 (2013.01 - EP KR US); **B65H 2301/422542** (2013.01 - EP KR US); **B65H 2405/3312** (2013.01 - EP KR US);
B65H 2405/352 (2013.01 - EP KR US); **B65H 2511/20** (2013.01 - EP KR US); **B65H 2553/414** (2013.01 - EP KR US);
B65H 2701/1912 (2013.01 - EP KR 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

DOCDB simple family (publication)

WO 2013182305 A1 20131212; BR 112014029707 A2 20170627; BR 112014029707 B1 20221116; CN 104272356 A 20150107;
CN 104272356 B 20170606; DE 102012011231 A1 20131212; EP 2859538 A1 20150415; EP 2859538 B1 20190807;
KR 101706446 B1 20170227; KR 20150013289 A 20150204; RU 2014154149 A 20160810; RU 2634245 C2 20171024;
US 2015179013 A1 20150625; US 9514593 B2 20161206

DOCDB simple family (application)

EP 2013001649 W 20130605; BR 112014029707 A 20130605; CN 201380023725 A 20130605; DE 102012011231 A 20120606;
EP 13727051 A 20130605; KR 20147034843 A 20130605; RU 2014154149 A 20130605; US 201314405839 A 20130605