

Title (en)

DETECTION UNIT AS WELL AS DEVICE AND METHOD FOR PRINTING CONTAINERS

Title (de)

ERFASSUNGSEINHEIT SOWIE VORRICHTUNG UND VERFAHREN ZUR BEDRUCKUNG VON BEHÄLTERN

Title (fr)

UNITÉ DE DÉTECTION ET DISPOSITIF ET PROCÉDÉ D'IMPRESSION DE CONTENANTS

Publication

EP 3245071 A1 20171122 (DE)

Application

EP 15816794 A 20151222

Priority

- DE 102015100334 A 20150112
- EP 2015081001 W 20151222

Abstract (en)

[origin: WO2016113090A1] The invention relates to a detection unit for a device (1) for printing containers (2), comprising: at least one image-capturing device (21) for detecting an optical feature of a container (2); a retaining and centring unit (10) for retaining a container, or means for retaining and releasing retaining and centring units (10), wherein a container (2) retained on a retaining and centring unit (10) can be rotationally driven about its container vertical axis; a sensor unit for determining the rotational position of a container retained on a retaining and centring unit by detecting a coding provided on the retaining and centring unit (10); a computer unit (24) that is connected to the image-capturing device (21) and the sensor unit, wherein the computer unit (24) is designed to determine an alignment variable based on the coding provided on the retaining and centring unit (10) and the detected optical feature of the container (2), and wherein the detection unit has communication means for passing on the alignment variable to at least one container printing device (3.3 - 3.6).

IPC 8 full level

B41J 3/407 (2006.01)

CPC (source: EP US)

B41J 3/4073 (2013.01 - EP US); **B41J 3/40733** (2020.08 - EP US); **B41M 1/40** (2013.01 - US); **B41M 5/0088** (2013.01 - US)

Citation (search report)

See references of WO 2016113090A1

Citation (examination)

- US 2012011807 A1 20120119 - PRECKEL KATRIN [DE], et al
- DE 10201112106 B3 20130221 - KHS GMBH [DE]
- US 2011132916 A1 20110609 - UPTERGROVE RONALD L [US], et al

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 102015100334 A1 20160714; EP 3245071 A1 20171122; JP 2018504330 A 20180215; JP 6687631 B2 20200422; US 10144225 B2 20181204; US 2018001624 A1 20180104; WO 2016113090 A1 20160721

DOCDB simple family (application)

DE 102015100334 A 20150112; EP 15816794 A 20151222; EP 2015081001 W 20151222; JP 2017536791 A 20151222; US 201515543079 A 20151222