

Title (en)

METHOD AND DEVICE FOR DIGITALLY PRINTING ON THREE-DIMENSIONAL OBJECTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DIGITALEN BEDRUCKEN VON 3-DIMENSIONALEN OBJEKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'IMPRESSION NUMÉRIQUE D'OBJETS TRIDIMENSIONNELS

Publication

EP 3445590 A1 20190227 (DE)

Application

EP 17717729 A 20170418

Priority

- DE 102016107087 A 20160418
- EP 2017059126 W 20170418

Abstract (en)

[origin: WO2017182439A1] The invention relates to digital printing on three-dimensional objects (1), in particular bottles, cans or other hollow bodies, by means of at least one printing head (7), wherein, for printing, the object (1) to be printed on is moved in relation to the printing head (7), a printing template (12) being broken down into a multiplicity of printing dots (14) and the printing dots (14) being stored in a printing raster (15) consisting of image columns and image rows, the printing raster (15) being used for activating the printing head (7) during the printing in order to apply a print image to the object (1) to be printed. The printing raster (15) is curved and the image rows and image columns extend obliquely in relation to one another. The printing template (12) is read into the curved printing raster (15).

IPC 8 full level

B41J 3/407 (2006.01); **B41J 2/21** (2006.01)

CPC (source: EP US)

B41J 3/4073 (2013.01 - EP US); **B41J 3/40733** (2020.08 - EP US); **B41J 25/005** (2013.01 - EP US); **B41J 29/38** (2013.01 - US)

Citation (search report)

See references of WO 2017182439A1

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 102016107087 A1 20171019; EP 3445590 A1 20190227; EP 3445590 B1 20210407; US 2019092043 A1 20190328; WO 2017182439 A1 20171026

DOCDB simple family (application)

DE 102016107087 A 20160418; EP 17717729 A 20170418; EP 2017059126 W 20170418; US 201716094215 A 20170418