

Title (en)

Method and device for ink-jet printing on curved container surfaces

Title (de)

Verfahren und Vorrichtung für den Tintenstrahldruck auf gekrümmte Behälteroberflächen

Title (fr)

Dispositif et procédé pour l' impression à jet d'encre sur des surfaces incurvées de récipients

Publication

EP 2591917 B1 20141217 (DE)

Application

EP 12191421 A 20121106

Priority

DE 102011086015 A 20111109

Abstract (en)

[origin: EP2591917A1] The method involves moving a print surface relative to rows of nozzle (4) which are aligned transversely or diagonally to movement direction (5). Ink drops (9) are discharged to ejection points for the individual ink droplets as a function of the respective printing gap (6) of the ejecting nozzle (4a) to be set. The nozzles are provided lying one behind the other in the movement direction, and also the ejection timing can be set between the rows of nozzles as a function of a distance (X). An independent claim is included for a device for ink jet printing on curved surfaces of containers such as polyethylene terephthalate (PET) bottles or glass bottles.

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)

Cited by

DE102017215429A1; CN110254055A; BE1025818B1; EP3243806A1; CN104943404A; EP3330095A1; BE1025835B1; FR3084282A1; CN106218236A; EP3208746A1; EP3243805A1; BE1025819B1; US11739024B2; WO2018100132A1; WO2017194656A1; WO2017194653A1; WO2015193138A1; WO2018108361A1; US9833990B2; US10343418B2; US9975327B1; US10214026B1; US10639908B2; WO2019042632A1; US11447295B2; EP3679466B1; EP3455180B1

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