

Title (en)

Apparatus and process for printing of cylindrical or conical surfaces

Title (de)

Gerät und Verfahren zum Bedrucken zylindrischer oder konischer Oberflächen

Title (fr)

Appareil et procédé pour imprimer des surfaces cylindriques ou coniques

Publication

EP 2492104 A2 20120829 (EN)

Application

EP 12169487 A 20081021

Priority

- EP 12169487 A 20081021
- EP 08425675 A 20081021

Abstract (en)

A process carried out with an apparatus (1) for printing of cylindrical or conical surfaces comprises the steps of: disposing a plurality of plastic containers (2) having each a cylindrical or conical surface (3) to be decorated, on respective supports (8) carried by a rotating table (5); bringing the supports (8) and containers (2) in succession to a plurality of printing stations (20), in each of which the cylindrical or conical surface (3) faces an ink-jet print head (19); in each printing station (20), setting each support (8) and the respective container (2) in rotation about a rotation axis (X-X) while the print head (19) is delivering ink onto the cylindrical or conical surface (3).

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); **B41J 11/0015** (2013.01 - EP)

Cited by

IT201600098327A1; CN105383187A; EP3666085A1; IT201800011109A1; WO2018060823A1; US10864750B2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2179853 A1 20100428; **EP 2179853 B1 20120801**; EP 2492104 A2 20120829; EP 2492104 A3 20150708; EP 2492104 B1 20160511

DOCDB simple family (application)

EP 08425675 A 20081021; EP 12169487 A 20081021