

Title (en)

Method and device for decorating individual articles

Title (de)

Verfahren und Vorrichtung zum Dekorieren von Einzelobjekten

Title (fr)

Procédé et dispositif de décoration d'objets individuels

Publication

EP 1088661 B1 20070815 (DE)

Application

EP 00120347 A 20000916

Priority

DE 19946823 A 19990930

Abstract (en)

[origin: US2002012556A1] In a process and apparatus for decorating an article, printing ink or electrostatic charges is or are applied in dependence on a digital program in dot form to the article carried by a holder, with individual dots going together to at least form a partial pattern or image. In the case of the latent pattern formed by electrostatic charges, it is then brought into contact with ink particles to form the decoration. In both cases the article is transported along a transportation path through at least one print station provided with an inkjet print head or an ionographic print head, the print head being controllable in dependence on the digital program. The individual nozzles or the electrodes of the respective print head are actuated in accordance with the digital program which is called up for example in dependence on the transportation movement of the article.

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/415** (2006.01); **B41J 3/407** (2006.01); **B41J 13/12** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP US)

B41J 2/01 (2013.01 - EP US); **B41J 3/4071** (2013.01 - EP US); **B41J 13/12** (2013.01 - EP US); **Y10S 101/37** (2013.01 - EP US)

Cited by

DE102006038750A1; EP2839965A1; FR3009520A1; EP1857287A2; WO2011069596A1; US9527305B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 1088661 A2 20010404; **EP 1088661 A3 20011121**; **EP 1088661 B1 20070815**; DE 19946823 A1 20010405; DE 50014563 D1 20070927; US 2002012556 A1 20020131; US 6478485 B1 20021112; US 6536346 B2 20030325

DOCDB simple family (application)

EP 00120347 A 20000916; DE 19946823 A 19990930; DE 50014563 T 20000916; US 45923399 A 19991210; US 94911501 A 20010907