

Title (en)

APPARATUS FOR DECORATING AN ARTICLE WITH A NEW SYSTEM FOR DISPENSING A CERAMIC TONER OR PIGMENT ON A VIRTUAL IMAGE PRINTED BY AN INKJET TYPE PRINTING UNIT ON THE ARTICLE TO BE DECORATED

Title (de)

VORRICHTUNG ZUM DEKORIEREN EINES ARTIKELS MIT EINEM NEUEN SYSTEM ZUR AUSGABE EINES KERAMISCHEN TONERS ODER PIGMENTS AUF EINEM VIRTUELLEN BILD, DAS DURCH EINE DRUCKEINHEIT VOM TINTENSTRAHLTYP AUF DEN ZU DEKORIERENDEN ARTIKEL GEDRUCKT WURDE

Title (fr)

DISPOSITIF POUR DÉCORER UN ARTICLE AVEC UN NOUVEAU SYSTÈME POUR DISTRIBUER UN TONER OU UN PIGMENT CÉRAMIQUE SUR UNE IMAGE VIRTUELLE IMPRIMÉE PAR UNE UNITÉ D'IMPRESSION DU TYPE À JET D'ENCRE SUR L'ARTICLE À DÉCORER

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Application

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Abstract (en)

[origin: WO2018015978A1] An apparatus (310) for decorating a ceramic article, comprising: decoration groups (311), each of which includes: an inkjet type printing unit (312) for ejecting a glue or a liquid adhesive substance (S1) so as to form on the article (MF) to be decorated a virtual image (IV) corresponding to the final decoration (D); a dispensing unit (313) including an oscillating hopper (313') adapted to be filled with a ceramic toner; and a removal unit (314) including an aspirator (314'), wherein which the hopper of each decoration group, oscillating (f2) in the normal direction to the feed direction of the article coming from the inkjet printer unit included in the decoration group, dispenses and disperses on the article the ceramic toner so as to form by adhesion on the surface of the article a decoration (D) of ceramic toner corresponding to the virtual image previously printed with the inkjet type printing unit, and the ceramic toner that does not adhere to the article (MF) but remains on its surface is then completely aspirated by the removal unit of the decoration group, and wherein the decoration of ceramic toner thus formed is finally stably fixed in a furnace (14) so as to obtain the final decorated article. Advantageously, the decorating apparatus allows both a controlled dispensing of the ceramic toner on the article, bearing the virtual image exhibiting adhesive properties, coming from the inkjet printing unit, and a complete removal of the ceramic toner that has not adhered to that virtual image, to the benefit of the quality of the final decorated article.

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