

Title (en)

DEVICE FOR APPLYING DECORS AND/OR CHARACTERS ON GLASS, GLASS CERAMICS AND CERAMICS PRODUCTS

Title (de)

VORRICHTUNG ZUM AUFBRINGEN VON DEKORS UND/ODER ZEICHEN AUF GLAS-, GLASKERAMIK- UND KERAMIKERZEUGNISSE

Title (fr)

DISPOSITIF POUR APOSER UN DECOR ET/OU DES SIGNES SUR DES PRODUITS EN VERRE, EN VITROCERAMIQUE ET EN CERAMIQUE

Publication

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Application

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Abstract (en)

[origin: WO0025182A1] Decors, characters and symbols are largely applied on glass, glass ceramics and ceramics products in order to achieve desired aesthetic appearances. According to prior art, this is achieved either by directly applying the products using screen-printing techniques or by indirectly applying a decal which was previously provided with the decors or characters and symbols by screen printing or by electrophotographic copying methods. This can also be achieved directly by electrophotographic copying methods whereby the electrophotographically produced toner image is transferred to the products by pressure/heat or by using an electrostatic field generated by coronae (9, 10). Instead of an endless loop which is used in prior art, the invention provides a dimensionally stable transfer roll for the distortion-free electrostatic transfer of the electrostatic image pattern and a special arrangement of the coronae (9, 10) for an improved electrostatic transfer.

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