

Title (en)

Apparatus for dry application of decorations on articles

Title (de)

Vorrichtung zum trocken Aufbringen von Dekorationen auf Gegenständen

Title (fr)

Appareil pour l'application sèche d'un décor sur des objets

Publication

**EP 1745903 B1 20120912 (EN)**

Application

**EP 06117388 A 20060718**

Priority

IT BO20050490 A 20050722

Abstract (en)

[origin: EP1745903A2] The apparatus (100) includes a ring-like, endless band (10), stretched between a motor roller (11) and a lower cusp (12), whose tip (120) is rounded and turned downward. The band (10) has pits (1) on its outer surface, which define the decoration pattern to be obtained by powder enamel (S) introduced into the pits (1) in a filling station (R), upstream of the tip (120) of the cusp (12). A decoration station (D) is situated at the tip (120) of the cusp (12), where the pits (1) are emptied, due to gravity, and the enamel (S) falls on the tile (2) passing therebelow. The apparatus (100), according to the invention, includes the filling station (R), situated close to the rounded tip (120), immediately upstream of the decoration station (D). For this purpose, the idler roller (31) of a belt (30), associated to the band (10) and tangential thereto in the filling station (R), has a small diameter, preferably such that the curvature radius imposed to the belt (30) is similar to the one imposed to said band (10) by the rounded tip (120).

IPC 8 full level

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CPC (source: EP)

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