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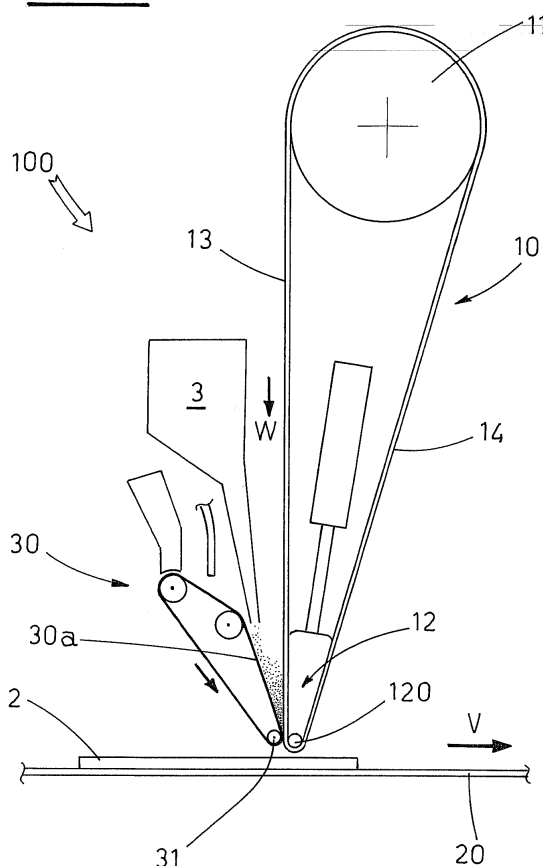
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(54) **Apparatus for dry application of decorations on articles**

(57) 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 that the curvature radius imposed to the belt (30) is similar to the one imposed to said band (10) by the rounded tip (120).

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 06 11 7388

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,D A	EP 1 419 863 A (T S C S P A [IT]) 19 May 2004 (2004-05-19) * the whole document * * in particular * * figures 3a-3c * -----	1 2-4	INV. B28B11/04 B05C1/14
			TECHNICAL FIELDS SEARCHED (IPC)
			B28B B05C C04B B41F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 10 December 2010	Examiner Petrucchi, Luigi
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1419863	A	19-05-2004	NONE

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82