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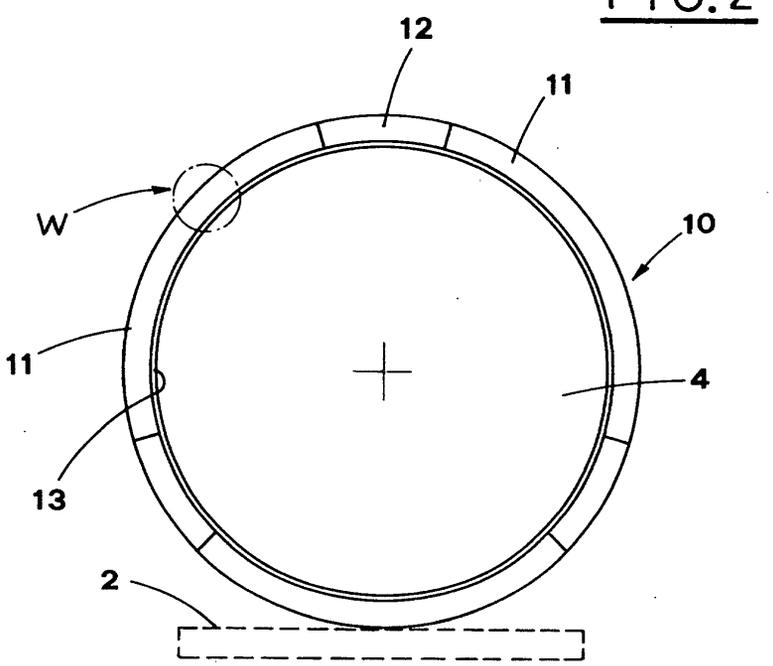
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(54) Honeycombed matrix device for contact decorating of articles

(57) A device for decorating articles by contact transferring of dyes is mounted on a rotating cylinder (4) of a decorating machine, which includes conveying means (1) for articles (2) to be decorated, aimed at setting the articles in contact with the device (10). The decorating device includes a sleeve (10), which surrounds the outer surface of the rotating cylinder (4) and is divided in a plurality of working areas (11). Each of the working areas (11) includes at least one layer (5) of transferring material. A honeycomb matrix is made on each working area (11) to reproduce at least one decoration for the articles (2). Each of the working areas (11) has different hardness.

FIG.2



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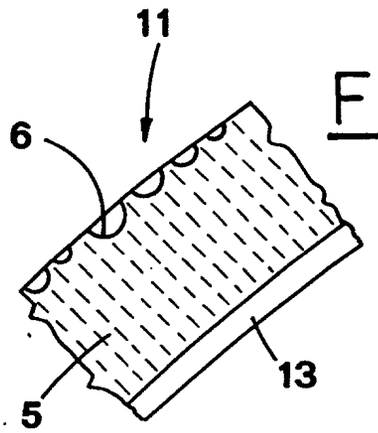


FIG. 2a

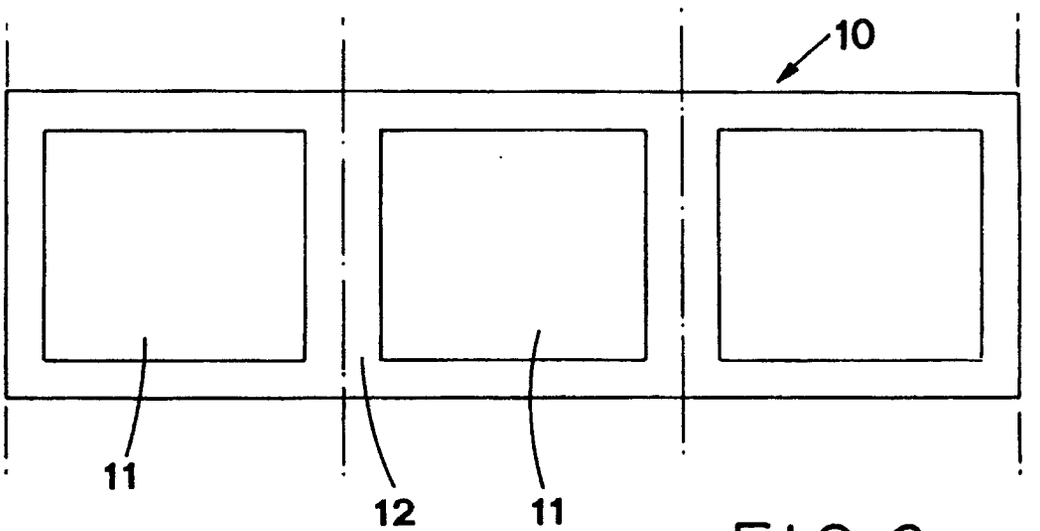


FIG. 3

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EUROPEAN SEARCH REPORT

Application Number
EP 02 00 2694

DOCUMENTS CONSIDERED TO BE RELEVANT

	Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
1	A	GB 2 286 799 A (EMILCERAMICA S P A) 30 August 1995 (1995-08-30) * the whole document * -----	1	B41F17/26 B41F13/11 B41F9/00

TECHNICAL FIELDS SEARCHED (Int.Cl.7)

B41F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	3 July 2003	MADSEN P. A.

CATEGORY OF CITED DOCUMENTS

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03-07-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2286799 A	30-08-1995	IT 1268910 B1	13-03-1997
		BR 9500765 A	24-10-1995
		DE 19505713 A1	31-08-1995

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