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(54) Title: A DEVICE AND METHOD FOR EMBOSSING OF PACKAGING MATERIAL LIKE FOIL, PAPER OR METALIZED PAPER

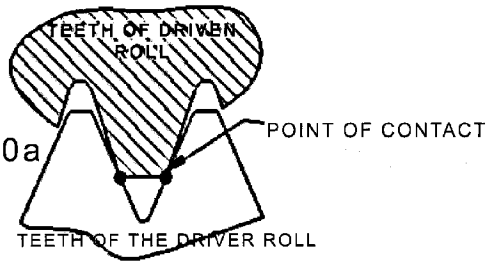

FIGURE 10a

(57) Abstract: Packaging material is embossed by passing between two fine teethed rotating rolls, which are pressed against one another. Both the rolls have fine pyramidal teeth on them. The teeth are designed and manufactured such that the apex angle of the pyramids of one of the rolls is different from the apex angle of the pyramid of the other roll. This differential angle of the two pyramids will provide operational clearance for each teeth and thus reduce the friction between the two rolls and increase the flexibility of the system in the practical dynamic condition of the embossing in the packaging industry. This will also function as one or more variable parameter to vary the quality and texture of embossing.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. B31F1/07

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B31F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/30661 A (BOEGLI GRAVURES SA [CH]; BOEGLI CHARLES [CH]) 18 April 2002 (2002-04-18) page 3, line 26 - page 5, line 14 page 8, line 1 - page 8, line 19; figures 3-5	1,3,5,9, 10,13-15
A	EP 0 925 911 A (BOEGLI GRAVURES SA [CH]) 30 June 1999 (1999-06-30) cited in the application abstract	1,13-15

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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