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ABSTRACT

DEVICE FOR EMBOSSING A FOIL, APPLICATION OF THE DEVICE,
METHOD FOR ITS MANUFACTURE, AND METHOD FOR THE OPERATION
OF THE DEVICE

The embossing process is effected between a pair of embossing rollers provided with toothings of the same kind which comprise rows of pyramidal teeth extending in the axial and the circumferential directions. Compared to the theoretical pyramid shape, the heads of the teeth are flattened while the edges of the pyramids are cut. The rollers, which are mutually displaceable in the axial direction, are thus able to catch in a stable mutual position of maximum penetration and to remain in this position in operation. This allows a safe mutual synchronization of the rollers and an optimal embossing of any kind of materials, especially of paper foils.

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(FIGs. 1, 4, and 5)

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