

Title (en)
EMBOSSING DEVICE FOR AT LEAST TWO-LAYERED PLANAR PRODUCTS SUCH AS TOILET PAPER, TISSUES, OR SIMILAR

Title (de)
PRÄGEVORRICHTUNG FÜR MINDESTENS ZWEILAGIGE FLÄCHENPRODUKTE WIE TOILETTENPAPIER, TASCHENTÜCHER ODER DERGLEICHEN

Title (fr)
DISPOSITIF DE GAUFRAGE POUR PRODUITS PLATS AU MOINS DOUBLE COUCHE, TELS QUE PAPIER HYGIÉNIQUE, MOUCHOIRS EN PAPIER OU ANALOGUES

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Application
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Priority

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Abstract (en)
[origin: US2009226670A1] The aim of the invention is to create an embossing device for at least two-layered planar products such as toilet paper, tissues, or similar, which makes it possible to easily make high-quality planar products that are provided with decorative patterns. Said aim is achieved by an embossing device for at least two-layered planar products such as toilet paper, tissues, and similar, comprising at least one first and at least one second couple of rollers, each of which is composed of an embossing roller and a squeezer. The embossing roller of the first couple is provided with a plurality of embossing points at a number of about 20 to 70 per cm², preferably up to about 45 per cm², said embossing points being evenly distributed across the entire embossing area of the embossing roller, in order to create a planar microembossed design on at least one layered web. The embossing roller of the second couple encompasses first and second areas that are distributed across the embossing area thereof. The first areas are equipped with a plurality of embossing points at a number of about 45 to about 70 per cm² in order to create a planar microembossed design on at least one additional layered web while the second areas have no embossing points, form a maximum of 40 percent of the entire embossing area, and are not interconnected. The inventive embossing device further comprises at least one gluing station which is arranged adjacent to the embossing roller of the second couple, downstream from the respective squeezer, and by means of which glue is applied to the embossing points of the embossing roller. The embossing rollers are placed relative to one another so as to form a nip for joining the embossed layered webs. A joining roller is positioned downstream from the nip, adjacent to the embossing roller of the first couple, in order to connect the layered webs.

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