

Title (en)

ROLLER ARRANGEMENT FOR EMBOSSING WEB-SHAPED MATERIALS

Title (de)

WALZENANORDNUNG FÜR DAS PRÄGEN VON BAHNFÖRMIGEN MATERIALIEN

Title (fr)

SYSTEME DE ROULEAUX POUR LE GAUFRAGE DE MATIERES SOUS FORME DE BANDE

Publication

**EP 1753605 A1 20070221 (DE)**

Application

**EP 04786196 A 20040831**

Priority

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Abstract (en)

[origin: US2006185533A1] A roller arrangement for embossing web-shaped materials, in particular, web-shaped paper and tissue materials, is disclosed. A roller arrangement comprises a punch, which includes a first embossing pattern, containing a plurality of spaced-apart elevations, and a matrix which includes a second embossing pattern, containing a plurality of spaced-apart elevations. The elevations on the first embossing pattern can be lowered into free spaces in between elevations of the second embossing pattern. Elevations on embossing patterns on punches and matrixes are positioned in rows spaced apart in a circumferential direction. At least one cleaning roller is provided, which comprises cleaning elements arranged in a circumferential direction that interact with a punch or a matrix in between rows of elevations on embossing patterns of punches and matrixes.

IPC 8 full level

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CPC (source: EP US)

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