

Title (en)

DEVICE FOR APPLYING A COATING SUBSTANCE TO A CONTINUOUS PAPER WEB

Title (de)

VORRICHTUNG ZUM AUFTRAGEN EINER BESCHICHTUNGSMASSE AUF EINE DURCHLAUFENDE PAPIERBAHN

Title (fr)

DISPOSITIF POUR APPLIQUER UNE MATIERE DE RECOUVREMENT SUR UNE BANDE DE PAPIER CONTINUE

Publication

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Application

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Abstract (en)

[origin: US6432201B1] The invention relates to a device for applying a coating substance to a continuous paper web in a process for producing abrasion-resistant laminates for manufacturing decorative paper. The coating substance consists of a viscous mixture of melamine resin and alphacellulose to which particles of corundum are added, and is applied to the visible surface of the paper. The inventive device includes a deflector roll (2) on which the paper web (1) lies in an area in which it loops around; a metering roll (6) which is arranged parallel to the deflector roll (2) and forms the boundary of a gap with the same, and which is driven synchronously or almost synchronously with the deflector roll; a slit nozzle (7) for applying the coating substance either directly to the paper web (1) on the deflector roll (2) or to the metering roll (6); and a doctor blade of a rectangular piece (9) of flexible rubber type material. This material is fixed on one side by its back edge, parallel to the axes of the two rolls (2,6) and lies loosely on the upper end of the paper web (1) running off of the deflector roll (2).

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IPC 8 full level

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