Title (en)

METHOD FOR PRODUCING PAPER

Title (de)

VERFAHREN ZUM HERSTELLEN VON PAPIER

Title (fr)

PROCEDE DE PRODUCTION DE PAPIER

Publication

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Application

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Abstract (en)

[origin: WO9856990A1] The invention relates to a method for producing paper, mat, laminate or similar material web (16) using a binder feeding mechansim (12) and by subsequent hardening, in particular of a material web (16) having high plybond strength which is then varnished. In this method, a water-dilutable acrylate in the form of a binder is fed to the material web at the binder feeding mechansim (12). The material web is then hardened by an electron beam, after the water content has been evaporated off. In accordance with the invention, after feeding the binder, or after the impregnation process, the material web (16) containing the noncrosslinked acrylate is dried and the water is evaporated from the binder, preferably an emulsion. The material web (16) is then printed and crosslinkage or polymerization begun. After printing, a varnish is applied that is capable of being hardened by an electron-beam. The material or paper web can be pressure-impregnated with the acrylate. The binder present in noncrosslinked residual paper, or the excess binder from the impregnating procedure, in particular acrylate emulsion, is preferably returned (18, 20, 28, 32) to the binder feeding mechansim (12).

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