

Title (en)  
PROCESS FOR IMPREGNATING HYDROPHILIC PAPER SHEETS WHICH CAN SWELL

Publication  
**EP 0285734 B1 19921202 (DE)**

Application  
**EP 87710008 A 19870624**

Priority  
DE 3711807 A 19870408

Abstract (en)  
[origin: EP0285734A2] A process for the impregnation of flat fibrous materials such as, for example, cellulose paper webs or the like, to produce laminating materials with high surface strength for the coating of sheetlike base materials of all kinds. The impregnating agents used are preferably condensable or polymerisable synthetic resins are used as the impregnating agents incorporated into the fibrous material and, after curing, the impregnated material is stored, for instance in reel form, and/or despatched for use as an intermediate product for subsequent permanent bonding with the surface of the flat-shaped base material. The impregnating agent in the form of a highly concentrated solution of resin with a solids content of at least approximately 70% is continuously and homogeneously applied to the fibrous material webs at room temperature at a viscosity from 200 to 2,000 mPa.s. This is followed by heat treatment at up to 100 DEG C over a period which is relatively short compared with the curing period for the resin compound. <IMAGE>

IPC 1-7  
**D21H 11/00**; **D21H 17/33**; **D21H 23/78**; **D21H 25/08**

IPC 8 full level  
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