

Title (en)

METHOD FOR PRODUCING A WOOD COATING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HOLZBESCHICHTUNGSMITTELS

Title (fr)

PROCEDE DE PRODUCTION D'UN AGENT DE REVETEMENT POUR BOIS

Publication

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Application

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Abstract (en)

[origin: DE19942993A1] The invention relates to a method for producing a transparent coating agent for coating wood. According to the invention, a binding agent is selected from the group of physically drying acrylate resins or from acrylate resins that are cross-linked by irradiation, and is subsequently doped with at least one highly efficient and light-stable laser dye. Said laser dye, in the amount of 0.1 to 5.0 wt. % with regard to the entire composition, is dissolved in the binding agent molecule in a dispersed manner. The UV portion of the UV light as well as spectral light portions with wavelengths ranging from 280 nm to 500 nm are completely or selectively absorbed and, with a conversion efficiency of $\geq 30\%$, are converted into longer wave radiation that does not damage the wood substrates nor the binding agent, whereby at least one photoinitiator, auxiliary agents and, optionally, solvents are admixed.

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