

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

EP 1228152 A1 20020807 (DE)

Application

EP 00963978 A 20000907

Priority

- DE 0003096 W 20000907
- DE 19942993 A 19990909

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.

IPC 1-7

C09D 7/12; C09D 175/16

IPC 8 full level

B05D 7/08 (2006.01); **C09D 4/00** (2006.01); **C09D 4/06** (2006.01); **C09D 175/16** (2006.01); **B05D 3/06** (2006.01)

CPC (source: EP US)

B05D 7/08 (2013.01 - EP); **C09D 4/00** (2013.01 - EP); **C09D 4/06** (2013.01 - EP); **C09D 175/16** (2013.01 - EP US); **B05D 3/067** (2013.01 - EP)

Citation (search report)

See references of WO 0118131A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19942993 A1 20010315; AU 7507300 A 20010410; EP 1228152 A1 20020807; WO 0118131 A1 20010315

DOCDB simple family (application)

DE 19942993 A 19990909; AU 7507300 A 20000907; DE 0003096 W 20000907; EP 00963978 A 20000907