

Title (en)
METHOD FOR PRODUCING WOOD-BASE MATERIALS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HOLZWERKSTOFFEN

Title (fr)
PROCEDE DE PRODUCTION DE MATERIAUX A BASE DE BOIS

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Application
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Abstract (en)
[origin: US2008156435A1] The present invention relates to a process for the production of wood-base materials which have at least one thin veneer layer adhesively bonded over the surface to a substrate or to further veneer layers, which process comprises the following steps: i. impregnation of a veneer with an aqueous curable composition which comprises a) at least one curable urea compound selected from urea compounds H which have at least one N-bonded group of the formula CH₂OR, where R is hydrogen or C₁-C₄-alkyl, and/or a 1,2-bishydroxyethane-1,2-diyl group bridging the two nitrogen atoms of the urea, precondensates of the urea compound H, and reaction products or mixtures of the urea compound H with at least one alcohol which is selected from C₁-C₆-alkanols, C₂-C₆-polyols and oligoethylene glycols, and b) at least one catalyst K effecting crosslinking of the urea compound; ii) gluing of the impregnated veneer and/or the substrate with a glue composition and iii) processing of the glued veneer to give a wood-base material at elevated temperature with curing of the crosslinkable urea compound, the impregnated veneer comprising the crosslinkable urea compound in substantially uncrosslinked form before the gluing in step ii).

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