

Title (en)

ANTIMICROBIAL WOOD MATERIAL-BASED PIECE OF FURNITURE WITH A PLASTIC LAMINATE COATING AS WELL AS METHOD FOR COATING A PIECE OF FURNITURE WITH AN ANTIMICROBIAL PLASTIC LAMINATE COATING

Title (de)

ANTIMIKROBIELLES HOLZMATERIALBASIERTES MÖBELSTÜCK MIT EINER KUNSTSTOFFLAMINATBESCHICHTUNG SOWIE VERFAHREN ZUR BESCHICHTUNG EINES MÖBELSTÜCKS MIT EINER ANTIMIKROBIELLEN KUNSTSTOFFLAMINATBESCHICHTUNG

Title (fr)

MEUBLE ANTIMICROBIEN À BASE D'UN MATÉRIAU EN BOIS DOTÉ D'UN REVÊTEMENT STRATIFIÉ PLASTIQUE, ET PROCÉDÉ DE REVÊTEMENT D'UN MEUBLE AVEC UN REVÊTEMENT STRATIFIÉ PLASTIQUE ANTIMICROBIEN

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Application

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Priority

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Abstract (en)

[origin: WO2020193855A1] The invention relates to an antimicrobial wood material- based piece of furniture (1, 2, 3, 5) with a plastic laminate coating, comprising a plastic laminate coating placed on a furniture surface, preferably on a contact surface, and having a thickness of 0,4-1,4 mm, and said laminate coating comprising one or more overlapping films (641... 646), each of said films consisting of paper impregnated with resin, especially melamine resin or polyester resin. In the invention, the piece of furniture has its plastic laminate coating provided with antimicrobial activity at least against S.aureus and E.coli, whereby the plastic laminate coating, when tested according to standards ISO 22196 or J IS Z 2801, has antimicrobial activity which eliminates at least 95% of bacteria used in the test, the antimicrobial activity of the piece of furniture's plastic laminate coating has been achieved by impregnating one or more films of the plastic laminate coating with at least one resin batch which has been supplemented with a silver-containing adjuvant in such an amount that each silver-containing film of the laminate coating contains silver 0,005-0,1% by weight calculated from the total weight of resin incorporated in each silver-containing film, and the plastic laminate coating's antimicrobial activity has been achieved by impregnating paper, comprising a topmost film of the plastic laminate coating, especially decorative paper, with several resin batches, whereby the final resin batch has been supplemented with a silver- containing adjuvant in such an amount that the laminate coating's topmost film contains silver 0,005-0,1% by weight calculated from the total weight of resin batches contained in said topmost film.

IPC 8 full level

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