

Title (en)
COATING OF COMPOSITE WOOD PANELS WITH AMINOPLAST RESIN FILMS FITTED WITH AN ABRASION-RESISTANT, EASY-CLEAN AND HYDROPHOBIC SURFACE

Title (de)
BESCHICHTUNG VON HOLZWERKSTOFFPLATTEN MIT AMINOPLASTHARZFILMEN, DIE MIT EINER ABRIEBFESTEN EASY CLEAN UND HYDROPHOBEN OBERFLÄCHE AUSGERÜSTET SIND

Title (fr)
REVÊTEMENT DE PANNEAUX DÉRIVÉS DU BOIS AVEC DES FILMS DE RÉSINE AMINIQUE POURVUS D'UNE SURFACE FACILE À NETTOYER, RÉSISTANTE À L'ABRASION ET HYDROPHOBE

Publication
EP 3310498 A1 20180425 (DE)

Application
EP 16747447 A 20160617

Priority
• DE 202015004389 U 20150620
• EP 2016064007 W 20160617

Abstract (en)
[origin: CA2989246A1] The invention relates to the fitting of decorative and/or overlay papers impregnated with aminoplast resin, which are used for the coating of composite wood panels and form an abrasion-resistant, easy-clean and hydrophobic surface, characterized in that, after resin impregnation, the impregnated papers are coated in a second application step with a sol-gel preparation containing dissolved metal alkoxides and fullerene-like nanostructures and nanotubes made of metal disulfides of the metals molybdenum and/or tungsten, and in that, after drying and final condensation, the surfaces are formed in a hydraulic heating press.

IPC 8 full level
B05D 1/34 (2006.01); **B44C 5/04** (2006.01); **D21H 19/02** (2006.01); **D21H 19/06** (2006.01); **D21H 19/82** (2006.01); **D21H 27/28** (2006.01)

CPC (source: CN EP RU US)
C23C 18/1216 (2013.01 - CN EP RU US); **C23C 18/1237** (2013.01 - CN EP RU US); **C23C 18/1254** (2013.01 - CN EP RU US); **C23C 18/127** (2013.01 - CN EP RU US); **C23C 18/1295** (2013.01 - CN EP RU US); **D21H 19/02** (2013.01 - CN EP RU US); **D21H 19/06** (2013.01 - CN EP RU US); **D21H 19/82** (2013.01 - CN EP RU US); **D21H 27/28** (2013.01 - CN EP RU US)

Citation (search report)
See references of WO 2016207072A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202015004389 U1 20150709; BR 112017027345 A2 20180904; CA 2989246 A1 20161229; CL 2017003212 A1 20180504; CN 107750292 A 20180302; CN 107750292 B 20200221; DK 3310498 T3 20190805; EP 3310498 A1 20180425; EP 3310498 B1 20190508; ES 2740815 T3 20200206; PL 3310498 T3 20191031; RU 2018102077 A 20190723; RU 2018102077 A3 20190821; RU 2712611 C2 20200129; TR 201910885 T4 20190821; US 10246829 B2 20190402; US 2018187378 A1 20180705; WO 2016207072 A1 20161229

DOCDB simple family (application)
DE 202015004389 U 20150620; BR 112017027345 A 20160617; CA 2989246 A 20160617; CL 2017003212 A 20171214; CN 201680036076 A 20160617; DK 16747447 T 20160617; EP 16747447 A 20160617; EP 2016064007 W 20160617; ES 16747447 T 20160617; PL 16747447 T 20160617; RU 2018102077 A 20160617; TR 201910885 T 20160617; US 201615737394 A 20160617