

Title (en)

A METHOD FOR MANUFACTURING BAMBOO SCRIMBERBOARD, AND BAMBOO SCRIMBERBOARD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER BAMBUS-SCRIMBER-PLATTE, UND BAMBUS-SCRIMBER-PLATTE

Title (fr)

PROCÉDÉ DE FABRICATION DE PANNEAU EN BAMBOU SCRIMBER, ET PANNEAU EN BAMBOU SCRIMBER

Publication

EP 4096887 B1 20240306 (EN)

Application

EP 21701805 A 20210129

Priority

- EP 20154926 A 20200131
- EP 2021052127 W 20210129

Abstract (en)

[origin: WO2021152104A1] The present invention provides a method for manufacturing bamboo scrimberboard (A), wherein the method comprises following steps: first step (1): segmenting bamboo culms into poles, second step (2): splitting the poles longitudinally into splits, third step (3): disintegrating the splits into fiber bundles (B), wherein waxy layers and siliceous layers of the bamboo are removed, fourth step (4): drying the bamboo fiber bundles (B), fifth step (5): thermally modifying the fiber bundles (B) in a deoxygenated and unsaturated atmosphere, sixth step (6): applying an adhesive (D2) to the thermally modified fiber bundles (B), seventh step (7): forming a layered mat from the adhesive applied fiber bundles (B) using a press mold, eighth step (8): obtaining scrimberboard (A) from the layered mat by applying heat and pressure to the layered mat, wherein the bamboo used is bamboo of African origin, wherein the bamboo is Yushania alpina and/or Oxytenanthera abyssinica.. Moreover, the invention provides a bamboo scrimberboard (A), a bamboo particleboard (F), and a bamboo oriented strand board (G).

IPC 8 full level

B27N 1/00 (2006.01); **B27N 3/02** (2006.01); **B27N 3/18** (2006.01)

CPC (source: EP)

B27N 1/00 (2013.01); **B27N 3/02** (2013.01); **B27N 3/18** (2013.01)

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

DOCDB simple family (publication)

WO 2021152104 A1 20210805; EP 4096887 A1 20221207; EP 4096887 B1 20240306; EP 4096887 C0 20240306

DOCDB simple family (application)

EP 2021052127 W 20210129; EP 21701805 A 20210129