

Title (en)

A METHOD FOR MANUFACTURING BAMBOO SCRIMBERBOARD, BAMBOO SCRIMBERBOARD, BAMBOO PARTICLEBOARD, AND BAMBOO ORIENTED STRAND BOARD

Title (de)

VERFAHREN ZUM HERSTELLEN VON BAMBUS-SCRIMBERPLATTEN, BAMBUS-SCRIMBERPLATTEN, BAMBUS-PARTIKELPLATTEN UND AUSGERICHTETE BAMBUS-STRANGPLATTE

Title (fr)

PROCÉDÉ DE FABRICATION DE PANNEAU SCRIMBER EN BAMBOU, PANNEAU SCRIMBER EN BAMBOU, PANNEAU D'AGGLOMÉRÉ EN BAMBOU ET PANNEAU À COPEAUX ORIENTÉS EN BAMBOU

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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

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