

Title (en)

Composite wood processing method and equipment for unidirectionally pressurising and impregnating wood

Title (de)

Verbundholzverarbeitungsverfahren und -vorrichtung zur unidirektionalen Druckerzeugung und Imprägnierung von Holz

Title (fr)

Procédé de traitement de bois composite et équipement pour la pressurisation et l'Imprégnation unidirectionnelle du bois

Publication

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Application

EP 09016119 A 20091230

Priority

TW 98144991 A 20091225

Abstract (en)

The present invention discloses a composite wood processing method and equipment for unidirectionally pressurizing and filling wood. Original ducts of wood which transport water and nutrients are used primarily to make wood into the composite wood by a unidirectional pressurization method. The processing method puts the wood longitudinally into a pressure vessel, allowing front end parts of the wood to be connected with atmosphere. Next, the wood is sealed with the pressure vessel and a solution is pressurized and filled into the pressure vessel, such that the solution can enter into the wood through the ducts of wood that transport water and nutrients. The composite wood processing method utilizes the original ducts of wood transporting water and nutrients; therefore, the composite wood can be formed by lower pressure and with a saving of energy, thereby having multiple advantages of fast processing, stability, labor saving and time saving.

IPC 8 full level

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Citation (search report)

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