

Title (en)  
DEVICE FOR HIGH TEMPERATURE HEAT TREATMENT OF LIGNEOUS MATERIAL

Title (de)  
VORRICHTUNG ZUR HOCHTEMPERATURWÄRMEBEHANDLUNG VON HOLZARTIGEM MATERIAL

Title (fr)  
DISPOSITIF POUR LE TRAITEMENT THERMIQUE A HAUTE TEMPERATURE D'UNE MATIERE LIGNEUSE

Publication  
**EP 1133666 B1 20051026 (FR)**

Application  
**EP 00907740 A 20000229**

Priority  
• FR 0000492 W 20000229  
• FR 9903179 A 19990309

Abstract (en)  
[origin: WO0053985A1] The invention concerns a device for the high temperature heat treatment of a ligneous material such as wood in order to preserve the properties and dimensional stability of said wood in the presence of humidity. Said device comprises a sealed chamber including an internal partition (19) defining a heat chamber (20) and an opening (21) emerging into a treatment zone (22) wherein a load (11) of stacked wood elements is introduced. The chamber (20) contains burners (23) for heating a heat-conveying medium. A nozzle (26) associated with a deflector enables to homogenize the gas stream emitted by each burner before it enters the treatment zone (22). Ventilators (28) co-operate with the opening (21) to cause the heat-conveying medium to circulate through the load (11). A ramp of water sprayers (30) humidifies the treatment zone (22) when the temperature in the chamber is rising, stabilises said temperature during treatment and cools the chamber after treatment. An adjustable screen (42) maintains a constant pressure in the treatment zone (22). Orifices (44) co-operate with a discharge circuit provided with a sealed regulator valve (49) form means regulating the pressure in the chamber.

IPC 1-7  
**F26B 21/06**; **F26B 23/02**; **F26B 21/02**

IPC 8 full level  
**F26B 21/02** (2006.01); **F26B 21/06** (2006.01); **F26B 23/02** (2006.01)

CPC (source: EP)  
**F26B 21/02** (2013.01); **F26B 21/06** (2013.01); **F26B 23/02** (2013.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0053985 A1 20000914**; AT E308025 T1 20051115; AU 2922100 A 20000928; DE 60023444 D1 20051201; DE 60023444 T2 20060720; EP 1133666 A1 20010919; EP 1133666 B1 20051026; ES 2250106 T3 20060416; FR 2790698 A1 20000915; FR 2790698 B1 20010706

DOCDB simple family (application)  
**FR 0000492 W 20000229**; AT 00907740 T 20000229; AU 2922100 A 20000229; DE 60023444 T 20000229; EP 00907740 A 20000229; ES 00907740 T 20000229; FR 9903179 A 19990309