

Title (en)
METHOD FOR THE PROTECTIVE TREATMENT OF WOOD AND DERIVED TIMBER PRODUCTS

Title (de)
VERFAHREN ZUR SCHUTZBEHANDLUNG VON HOLZ UND HOLZWERKSTOFFEN

Title (fr)
PROCEDE DE TRAITEMENT PROTECTEUR POUR LE BOIS ET DES MATERIAUX A BASE DE BOIS

Publication
EP 1377417 A2 20040107 (DE)

Application
EP 02735172 A 20020325

Priority

- EP 02735172 A 20020325
- EP 0203308 W 20020325
- EP 01108389 A 20010403

Abstract (en)
[origin: WO02081159A2] The invention relates to a method for the protective treatment of wood, derived timber products and wood-type substrates by means of thermal treatment at 60-250°C and additional treatment using an amine and/or amine derivative of general formula (Ia), (Ib) or (Ic) wherein R<1> and R<4> independently represent C6-24 alkyl; R<2> and R<3> independently represent C1-24 alkyl or (CH₂)-NH₂; R<5>, R<6>, R<8> and R<9> independently represent C1-24 Alkyl; R<7> represents C6-24 alkyl or benzyl; R<10> independently represents C1-24 alkyl or -[(CH₂)₂-O]_nR<11> where n=1-20; R<11> represents hydrogen or optionally substituted phenyl; and X<-> represents a monovalent inorganic or organic anion or an equivalent of a polyvalent inorganic or organic anion. The additional treatment can also be carried out using a corresponding salt. The wood treated according to said method has good resistance even to harmful organisms which cannot be reliably controlled by means of only a heat treatment. The inventive method is carried out without compounds containing heavy metals and the wood treated in this way has no impact on the environment either during the use or during the disposal thereof.

IPC 1-7
B27K 3/00; **B27K 3/34**; **B27K 3/50**

IPC 8 full level
B27K 3/00 (2006.01); **B27K 3/34** (2006.01); **B27K 3/50** (2006.01)

CPC (source: EP US)
B27K 3/34 (2013.01 - EP US); **B27K 3/50** (2013.01 - EP US); **B27K 5/0085** (2013.01 - EP US); **Y10T 428/31989** (2015.04 - EP US)

Citation (search report)
See references of WO 02081159A2

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

DOCDB simple family (publication)
WO 02081159 A2 20021017; **WO 02081159 A3 20030109**; **WO 02081159 A8 20050317**; AU 2002310982 A1 20021021;
EP 1377417 A2 20040107; US 2004146733 A1 20040729

DOCDB simple family (application)
EP 0203308 W 20020325; AU 2002310982 A 20020325; EP 02735172 A 20020325; US 47374604 A 20040322