

Title (en)
METHOD OF IMPREGNATION

Title (de)
IMPREGNIERUNGSVERFAHREN

Title (fr)
PROCEDE D'IMPREGNATION

Publication
EP 1237687 A1 20020911 (EN)

Application
EP 00970374 A 20000926

Priority
• SE 0001863 W 20000926
• SE 9903622 A 19991007

Abstract (en)
[origin: WO0124982A1] A process for the impregnation of cellulose-based products, particularly wood, comprising treatment of the product with linseed oil at an increased temperature under pressure in an autoclave, comprising the steps: a) charging the autoclave with the product to be treated, b) charging the autoclave with linseed oil heated to a temperature exceeding the boiling point of water so that the product will be surrounded by linseed oil, c) applying vacuum to the autoclave while keeping the temperature constant, water in the form of steam and air enclosed in the product being released from the product, d) discharging the linseed oil from the autoclave with simultaneous supply of linseed oil of a temperature lower than the boiling point of water and preferably applying over-pressure to the autoclave, and e) discharging the cold oil from the autoclave which, optionally, for the removal of excess oil from the product is again set under vacuum, whereafter the impregnated product is removed from the autoclave.

IPC 1-7
B27K 3/02; **B27K 3/08**; **B27K 3/34**

IPC 8 full level
B27K 3/02 (2006.01); **B27K 3/08** (2006.01); **B27K 3/34** (2006.01)

CPC (source: EP)
B27K 3/0278 (2013.01); **B27K 3/08** (2013.01); **B27K 3/48** (2013.01); **B27K 5/001** (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 0124982 A1 20010412; AT E243096 T1 20030715; AU 754796 B2 20021128; AU 754796 C 20030626; AU 7976600 A 20010510; CA 2386503 A1 20010412; CN 1158169 C 20040721; CN 1377307 A 20021030; CZ 20021109 A3 20030115; CZ 297778 B6 20070328; DE 60003460 D1 20030724; DE 60003460 T2 20040318; DK 1237687 T3 20030825; EE 05058 B1 20080815; EE 200200179 A 20030415; EP 1237687 A1 20020911; EP 1237687 B1 20030618; HU P0204152 A2 20030328; JP 2003511258 A 20030325; MX PA02003442 A 20040910; NO 20021635 D0 20020405; NO 20021635 L 20020605; NO 321255 B1 20060410; NZ 518171 A 20030926; PL 191345 B1 20060531; PL 354288 A1 20031229; SE 516982 C2 20020402; SE 9903622 D0 19991007; SE 9903622 L 20010408; SK 4402002 A3 20021008

DOCDB simple family (application)
SE 0001863 W 20000926; AT 00970374 T 20000926; AU 7976600 A 20000926; CA 2386503 A 20000926; CN 00813843 A 20000926; CZ 20021109 A 20000926; DE 60003460 T 20000926; DK 00970374 T 20000926; EE P200200179 A 20000926; EP 00970374 A 20000926; HU P0204152 A 20000926; JP 2001527963 A 20000926; MX PA02003442 A 20000926; NO 20021635 A 20020405; NZ 51817100 A 20000926; PL 35428800 A 20000926; SE 9903622 A 19991007; SK 4402002 A 20000926