

Title (en)

Method of and apparatus for injecting treating liquid into wood and porous inorganic material

Title (de)

Verfahren und Vorrichtung zur Einspritzung von Behandlungsflüssigkeit in Holz und poröse inorganische Materialien

Title (fr)

Méthode et appareil pour l'injection d'un liquide traitant dans le bois et de matériel poreux inorganique

Publication

EP 0607625 B1 20010131 (EN)

Application

EP 93121160 A 19931231

Priority

JP 2375293 A 19930119

Abstract (en)

[origin: EP0607625A1] Disclosed is a method of injecting treating liquid into wood material and porous inorganic material comprising the steps of: an initial pressure-applying step in which the material to be treated is subjected to a predetermined pressure which does not cause deformation and maintained at said pressure for a predetermined period of time; a preliminary pressure-applying step in which after the material is maintained at said pressure for the predetermined time, the pressure thereon is increased in steps, while in each stage of pressure application the material to be treated is subjected to a particular pressure for a predetermined length of time; and a treating-liquid injecting step in which the treating liquid is injected into said material to be treated at a predetermined treating-liquid injecting pressure. Disclosed is also a method of removing and reducing the pressure from a high pressure back to atmospheric pressure, without destroying the material. Accordingly, the treating liquid can be thoroughly injected to its interior, without deforming the raw material. <IMAGE>

IPC 1-7

B27K 3/08

IPC 8 full level

B27K 3/02 (2006.01); **B05C 3/02** (2006.01); **B05D 3/12** (2006.01); **B05D 7/00** (2006.01); **B05D 7/06** (2006.01); **B27K 3/08** (2006.01); **B27K 3/10** (2006.01); **B27K 5/00** (2006.01); **C04B 41/45** (2006.01)

CPC (source: EP)

B27K 3/0207 (2013.01); **B27K 3/08** (2013.01); **B27K 3/10** (2013.01); **B27K 5/0075** (2013.01)

Cited by

US6183812B1; CN106142251A; DE19715664A1; AT408084B; AU703008B2; CN1081974C; WO9723329A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0607625 A1 19940727; **EP 0607625 B1 20010131**; AT E199001 T1 20010215; AU 5235993 A 19940728; AU 670142 B2 19960704; BR 9400128 A 19940809; CA 2113661 A1 19940720; CA 2113661 C 19990720; CN 1035545 C 19970806; CN 1102801 A 19950524; DE 69329902 D1 20010308; DE 69329902 T2 20010719; DK 0607625 T3 20010618; EP 1053841 A1 20001122; FI 940249 A0 19940118; FI 940249 A 19940720; JP 2557780 B2 19961127; JP H06210606 A 19940802; MY 110907 A 19990630; NZ 250695 A 19960227; RU 2128112 C1 19990327

DOCDB simple family (application)

EP 93121160 A 19931231; AT 93121160 T 19931231; AU 5235993 A 19931214; BR 9400128 A 19940118; CA 2113661 A 19940118; CN 94101099 A 19940118; DE 69329902 T 19931231; DK 93121160 T 19931231; EP 00109861 A 19931231; FI 940249 A 19940118; JP 2375293 A 19930119; MY P119932737 A 19931217; NZ 25069594 A 19940118; RU 94001571 A 19940118