

Title (en)

METHOD FOR MODIFYING WOODEN SURFACES BY ELECTRICAL DISCHARGES AT ATMOSPHERIC PRESSURE

Title (de)

VERFAHREN ZUR MODIFIZIERUNG VON HOLZBERFLÄCHEN DURCH ELEKTRISCHE ENTLADUNG UNTER ATMOSPÄRENDRUCK

Title (fr)

PROCEDE POUR MODIFIER DES SURFACES DE BOIS PAR DECHARGE ELECTRIQUE A LA PRESSION ATMOSPHERIQUE

Publication

**EP 1233854 B1 20040102 (DE)**

Application

**EP 00993244 A 20001109**

Priority

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- EP 0011083 W 20001109

Abstract (en)

[origin: DE19957775C1] The invention relates to a method for modifying a wooden surface (7). An electrode (1) is arranged opposite the wooden surface (7) for modification and an alternating high voltage applied to the electrode (1), in order to cause a discharge (11), between the wooden surface (7) and the electrode (1), under atmospheric pressure. A dielectric layer between the electrode (10) and the wooden surface (7) to be modified is thus generated and the alternating high voltage applied with a frequency greater than 600 Hz.

IPC 1-7

**B27M 1/06; H01T 19/00**

IPC 8 full level

**B23H 7/14** (2006.01); **B23H 9/00** (2006.01); **B23H 1/00** (2006.01); **B27M 1/06** (2006.01); **H01T 19/00** (2006.01)

CPC (source: EP US)

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**US 6818102 B1 20041116**; AT E257063 T1 20040115; AU 5437501 A 20010612; CA 2393952 A1 20010607; CA 2393952 C 20081230; CZ 20021908 A3 20030115; CZ 297731 B6 20070314; DE 19957775 C1 20000713; DE 50004948 D1 20040205; EP 1233854 A1 20020828; EP 1233854 B1 20040102; HU 226188 B1 20080630; HU P0302096 A2 20030929; HU P0302096 A3 20051228; JP 2003515460 A 20030507; PL 195614 B1 20071031; PL 355633 A1 20040504; WO 0139944 A1 20010607

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