

Title (en)

APPARATUS FOR AUTOMATICALLY SMOOTHING THE ROUNDED CORNERS OF PREVALENTLY FLAT PANELS MADE OF WOOD AND/OR OTHER MATERIAL OR OTHER MANUFACTURED PRODUCTS

Title (de)

VORRICHTUNG ZUR AUTOMATISCHEN GLÄTTUNG DER ABGERUNDETEN ECKEN VON VORWIEGEND FLACHEN PLATTEN AUS HOLZ UND/ODER ANDEREN MATERIALIEN ODER ANDEREN HERGESTELLTEN PRODUKTEN

Title (fr)

APPAREIL DE LISSAGE AUTOMATIQUE DES COINS ARRONDIS DE PANNEAUX PLATS CONSTITUES PRINCIPALEMENT DE BOIS ET/OU D'AUTRES MATERIAUX OU D'AUTRES PRODUITS MANUFACTURES

Publication

EP 3028809 B1 20170301 (EN)

Application

EP 15197127 A 20151130

Priority

IT BO20140683 A 20141203

Abstract (en)

[origin: EP3028809A1] There is described an apparatus for automatically smoothing more or less rounded corners (A) of prevalently flat panels (P) made of wood and/or other material or other manufactured products, during a painting and/or finishing operation of the panels or manufactured products that by suitable means are fed along a rectilinear path, in a predetermined direction (F) and at a speed that can also be high and is known, with each subsequent panel having parallel to the path a longitudinal side (L) with the front (A') and rear (A'') corners to be smoothed and facing smoothing means (T). The smoothing means (T) are mounted on a main carriage (4) sliding on a guide (2) rectilinear and parallel to said feed (F) of the panels (P), and the carriage (4) is connected to reciprocating motion means (6) and such that, also with the help of alignment means (7), the carriage (4) can be controlled to accompany the panel (P) in its forward movement, proceeding at the same speed and with a fixed and predetermined alignment or relative position, so that the smoothing means (T) located on the carriage (4) can sand the rounded front (A') or rear (A'') corner of the panel (P) and can then be moved away from the longitudinal side (L) of the panel to allow the return of the carriage (4) with the smoothing means to the cycle start position, to be able to operate on a subsequent panel.

IPC 8 full level

B24B 47/02 (2006.01); **B24B 9/00** (2006.01)

CPC (source: EP)

B24B 9/002 (2013.01); **B24B 9/18** (2013.01); **B24B 47/02** (2013.01)

Cited by

CN106392652A; CN114536147A; CN108161662A; CN108673283A; CN106378675A; CN109531320A; CN116765983A; CN107009220A; CN111215997A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3028809 A1 20160608; **EP 3028809 B1 20170301**; ES 2620510 T3 20170628

DOCDB simple family (application)

EP 15197127 A 20151130; ES 15197127 T 20151130