

Title (en)

An apparatus for depositing layers of glaze and the like on ceramic supports

Title (de)

Vorrichtung zum Aufbringen von Schichten aus Glasur und dergleichen auf keramischen Gegenständen

Title (fr)

Dispositif pour déposer des couches d'émail et de matériaux similaires sur des objets en céramique

Publication

EP 1034905 B1 20031008 (EN)

Application

EP 99204364 A 19991217

Priority

IT MO990036 A 19990305

Abstract (en)

[origin: EP1034905A2] The invention comprises a matrix-bearing cylinder (3), mobile in rotation about its own axis, provided with at least one elastically-deformable peripheral part covered with a smooth external cylindrical surface (30) made of a highly elastically deformable elastomer material on which a shape, constituting a matrix, is etched; the shape being composed of a plurality of cells (31). The plurality of cells (31) are connected one to another by communication channels (5). The matrix cylinder (3) rolls undraggingly and with a predetermined pressure on a tile surface of a tile (2) transiting on the rest plane (1), and deposits the glaze contained in the cells (31) on the tile surface. A doctor (4) operates contactingly on the smooth external cylindrical surface (30) of the matrix cylinder (3) and scrapes away an excess of glaze deposited thereon and adhering thereto; the doctor (4) combining a scraping and cleaning function with a glaze remixing function; the doctor (4) also having a cell-replenishing function at every revolution of the matrix cylinder (3). <IMAGE> <IMAGE>

IPC 1-7

B28B 11/04; **B05C 1/08**

IPC 8 full level

B05C 1/08 (2006.01); **B28B 11/04** (2006.01)

CPC (source: EP)

B05C 1/0808 (2013.01); **B28B 11/044** (2013.01); **B28B 11/046** (2013.01)

Cited by

US11691171B2; WO2006070188A1; CN108698397A; EP3733300A1; EP4026776A1; US2021268535A1; US11331688B2; US11241708B2; US11267014B2; WO2017129677A1; WO2007099519A3; WO2020048801A1; US10994565B2; US11413650B2; US11369987B2; US11504739B2; WO2006079502A3

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)

EP 1034905 A2 20000913; **EP 1034905 A3 20010314**; **EP 1034905 B1 20031008**; AT E251534 T1 20031015; DE 69911910 D1 20031113; DE 69911910 T2 20040729; ES 2205706 T3 20040501; IT 1310184 B1 20020211; IT MO990036 A0 19990305; IT MO990036 A1 20000905; PT 1034905 E 20040130

DOCDB simple family (application)

EP 99204364 A 19991217; AT 99204364 T 19991217; DE 69911910 T 19991217; ES 99204364 T 19991217; IT MO990036 A 19990305; PT 99204364 T 19991217