

Title (en)

Apparatus and method for forming a pattern in ceramic tile or slab with prescribed thickness

Title (de)

Vorrichtung und Verfahren zur Formung eines Musters auf einer Keramikfliese oder einer Platte mit vorgeschriebener Dicke

Title (fr)

Appareil et procédé pour la formation d'un motif sur une tuile ou une plaque en céramique d'une épaisseur donnée

Publication

EP 2036694 A1 20090318 (EN)

Application

EP 07116535 A 20070917

Priority

EP 07116535 A 20070917

Abstract (en)

An apparatus for forming desired patterns on ceramic tile with prescribed starting from a slurry characterized by comprising - means for preparing a slurry - at least one slurry holding tank (100) for holding at least one type of slurry; - at least one pattern forming tray (300); - at least one means for connecting said at least one tank to at least one pattern forming tray (300) and - a filter pressing unit (500) wherein the pattern forming unit (200) dispenses a predetermined type, amount, colors of slurry at a predetermined order into the pattern forming tray (300) to form a desired pattern, said slurry with desired pattern is pressed with the filter pressing unit (500) to form ceramic tiles or slabs with a desired pattern running through its entire thickness.

IPC 8 full level

B44C 3/04 (2006.01); **B28B 5/02** (2006.01); **B28B 7/06** (2006.01); **B28B 7/46** (2006.01); **B28B 13/02** (2006.01); **B44F 9/04** (2006.01)

CPC (source: EP)

B28B 5/022 (2013.01); **B28B 7/06** (2013.01); **B28B 7/46** (2013.01); **B28B 13/022** (2013.01); **B28B 13/0275** (2013.01); **B28B 13/0295** (2013.01)

Citation (applicant)

- US 2280488 A 19420421 - JENKINS EDWARD M, et al
- US 6361735 B1 20020326 - VENKATARAMANI VENKAT SUBRAMANI [US], et al

Citation (search report)

- [XY] US 2280488 A 19420421 - JENKINS EDWARD M, et al
- [XY] US 6361725 B1 20020326 - SINSLEY WAYNE [US]
- [Y] US 5795513 A 19980818 - AUSTIN MARK [US]
- [Y] DE 2608133 A1 19770901 - BOER NV MASCHF DE
- [Y] EP 0756922 A1 19970205 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] US 3697631 A 19721010 - CHARMAN WALTER M JR, et al

Cited by

CN108214851A; CN113012245A; CN108297261A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2036694 A1 20090318; **EP 2036694 B1 20140305**; ES 2470140 T3 20140623; PL 2036694 T3 20140829; PT 2036694 E 20140612; RU 2007135042 A 20090327; RU 2443551 C2 20120227

DOCDB simple family (application)

EP 07116535 A 20070917; ES 07116535 T 20070917; PL 07116535 T 20070917; PT 07116535 T 20070917; RU 2007135042 A 20070920