

Title (en)

Method and apparatus for manufacturing decorated plate-like ceramic articles

Title (de)

Verfahren und Vorrichtung zur Herstellung von dekorierten plattenförmigen keramischen Gegenständen

Title (fr)

Méthode et dispositif pour la manufacture d'objets en céramique décorée en forme de plaque

Publication

EP 1270160 A1 20030102 (EN)

Application

EP 02013904 A 20020621

Priority

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Abstract (en)

A method of manufacturing plate-like ceramic articles comprises the steps of: delivering, according to a predetermined sequence, calibrated doses of powdery/atomized material from a storage, supplying, according to a predetermined sequence, said calibrated doses into at least one pair of shaping moulds, forming an article in each pair of shaping moulds by compacting powdered/atomized material loaded into at least one seat in said shaping moulds, removing each shaped article from its respective seat, transferring it to a pressing station, and pressing the shaped article for causing its permanent stabilization. An apparatus for carrying out such a method comprises a storage (14) for storing powdery/atomized materials and delivering metered quantities thereof, at least one shaping mould (10, 110; 11, 111) having at least one shaping seat (4, 104) provided in at least one shaping unit (3) arranged downstream of said storage (14) for receiving metered quantities of powdered/atomized material to be shaped to form at least one article (M) by being die-pressed therein, at least one press (6) located downstream of the or each shaping unit (3), and withdrawing means (5) located at each shaping unit (3) and designed to withdraw shaped articles (M) therefrom and to transfer them to a respective press (6) for permanent stabilization of said articles (M). <IMAGE>

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Citation (search report)

- [X] EP 0221224 A1 19870513 - MANTEGANI ENZO
- [A] EP 1005967 A1 20000607 - CERAMICHE PROVENZA S R L [IT]
- [A] EP 0960707 A2 19991201 - HAENDLE GMBH [DE]
- [A] DE 4415177 A1 19951102 - TEMA GMBH [DE]

Cited by

CN105365038A; CN117183053A

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