

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE AMOUNT OF ENAMEL APPLIED ONTO CERAMIC TILES OR SLABS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN DER AUF KERAMISCHE FLIESEN ODER PLATTEN AUFGEBRACHTEN GLASURMENGE

Title (fr)

PROCEDE ET SYSTEME POUR REGLER LA QUANTITE D'EMAIL APPLIQUE SUR DES CARREAUX OU DES DALLES CERAMIQUES

Publication

EP 3517267 B1 20220803 (EN)

Application

EP 19153852 A 20190126

Priority

IT 201800001969 A 20180126

Abstract (en)

[origin: EP3517267A1] The method allows to control and keep within a desired margin of tolerance the weight of enamel applied per unit of surface on ceramic tiles or slabs (3), as well as its distribution on the same, in a decoration station (2), constantly checking the patterns (V) delivered by the spray nozzles (5), which have a progressive wear, and includes the following operational steps: periodic acquisition of at least one image of each spray pattern (V); evaluation of the brightness of the image, in comparison with predetermined reference values, the difference between said measured brightness value and said reference values allowing the identification of a variations in density of the product emitted by said nozzle (5) and, as a result, of the weight of product deposited per unit area. When the first preset threshold value is exceeded, at least one compensation action is activated, consisting of an increase in the flow rate of the pump (P) that supplies the nozzles (5) and/or an increase in the speed of advancement of the ceramic tiles or slabs (3); beyond a second threshold, the entire station is stopped for replacement of the nozzles (5).

IPC 8 full level

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CPC (source: EP)

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Cited by

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