

Title (en)

ELECTROPHORETIC METHOD FOR THE PRODUCTION OF CERAMIC STRUCTURES

Title (de)

ELEKTROPHORETISCHES VERFAHREN ZUR HERSTELLUNG VON KERAMISCHEN STRUKTUREN

Title (fr)

PROCÉDÉ DE PRODUCTION ÉLECTROPHORÉTIQUE DE STRUCTURES CÉRAMIQUES

Publication

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Application

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Abstract (en)

[origin: WO2005019505A1] The invention relates to a method for producing ceramic structures and gradient structures whose particle size distribution has at least partly smaller values than the particle size distribution of the suspension from which the same are produced. According to the inventive method, a suspension containing ceramic particles is provided between a couple of electrodes, whereupon an electric field is applied to the couple of electrodes while the electrode surfaces of the couple of electrodes are placed perpendicular to a component of a gravitational field such that a fraction of the particles is deposited on the electrode of the couple of electrodes, which is located upstream of the component of the gravitational field, in the form of a ceramic structure.

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