

Title (en)

PROCESS FOR APPLICATION OF AN INORGANIC COATING TO AN ELECTRICALLY CONDUCTING BODY

Title (de)

VERFAHREN ZUM AUFBRINGEN EINER ANORGANISCHEN BESCHICHTUNG AUF EINEN ELEKTRISCH LEITFÄHIGEN KÖRPER

Title (fr)

PROCEDE POUR APPLIQUER UN REVETEMENT INORGANIQUE SUR UN CORPS ELECTROCONDUCTEUR

Publication

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Application

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Abstract (en)

[origin: US6153270A] PCT No. PCT/DE97/02661 Sec. 371 Date May 13, 1999 Sec. 102(e) Date May 13, 1999 PCT Filed Nov. 13, 1997 PCT Pub. No. WO98/21382 PCT Pub. Date May 22, 1998A process of applying an inorganic coating to an electrically conducting body, in particular a metallic workpiece, is characterized with respect to a precisely controllable temperature variation with short temperature changes in an economical and energy-saving operation in that the body first undergoes a preparation. Thereafter, if need be, the body is degreased and/or chemically pretreated and/or blasted. Subsequently, a coating medium is applied to at least the surface region of the body being coated. Then, at least the surface region of the body being coated is heated by induction to a reaction temperature before and/or while and/or after applying the coating medium. Finally, the coating medium is fully reacted to a coating, whereupon the body undergoes a cooling.

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