

Title (en)

METHOD OF PRODUCING PROTECTIVE COATINGS

Publication

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Application

EP 87110805 A 19870725

Priority

DE 3628363 A 19860821

Abstract (en)

1. A method of producing protective coatings against thermal and/or chemical and/or mechanical stresses on components, particularly components of complicated shape such as turbine blades, and in which the following steps are carried out : a) a powder of a starting material for the coating is brought into suspension with a solvent, b) the suspension is held ready at a temperature just above the freezing point of the solvent, c) the component to be coated is held ready at a temperature below the freezing point of the solvent d) the component is dipped into the suspension and a coating of the starting powder present in the suspension freezes solid, its thickness depending on the temperature of the component and the duration of immersion of the component in the bath of suspension, e) coated with the coating material, the component is exposed to a freeze drying process and until the freeze drying process is concluded, it is not heated to a temperature above the freezing point of the solvent.

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