

Title (en)

METHOD FOR COLD GAS SPRAYING A LAYER COMPRISING A METALLIC AND A POLYMERIC STRUCTURAL PHASE

Title (de)

VERFAHREN ZUM KALTGASSPRITZEN EINER SCHICHT MIT EINER METALLISCHEN GEFÜGEPHASE UND EINER GEFÜGEPHASE AUS KUNSTSTOFF, BAUTEIL MIT EINER SOLCHEN SCHICHT SOWIE VERWENDUNGEN DIESES BAUTEILS

Title (fr)

PROCÉDÉ POUR LA PROJECTION DYNAMIQUE À FROID D'UNE COUCHE AYANT UNE PHASE MÉTALLIQUE ET UNE PHASE POLYMÈRE

Publication

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Application

EP 11723024 A 20110520

Priority

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Abstract (en)

[origin: WO2011151205A1] The invention relates to a method for cold gas spraying of a layer, wherein coating particles (17) are accelerated in a cold spraying nozzle (11) for this purpose, and according to the invention said particles (17) have a plastic encapsulation. In said manner, the plastic is precipitated onto the substrate together with the metal material, thereby forming in particular layer compositions having good sliding properties, dirt repellent properties, or lubricating properties. The invention further relates to such a coating, and to the use of such a coating as the bearing component of a sliding bearing, as a flow component, in particular as a rotor blade of wind power plants or body components of means of transportation, or as trim components of structures.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2011151205A1

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