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(54) Title: METHOD FOR COATING A SUBSTRATE SURFACE AND COATED PRODUCT

(57) Abstract: Disclosed is a method of applying coatings to surfaces, wherein a gas flow forms a gas-powder mixture with a powder of a material selected from the group consisting of niobium, tantalum, tungsten, molybdenum, titanium, zirconium or mixtures of at least two thereof or their alloys with at least two thereof or with other metals, the powder has a particle size of from 0.5 to 150 µm, wherein a supersonic speed is imparted to the gas flow and the jet of supersonic speed is directed onto the surface of an object. The coatings prepared are used, for example, as corrosion protection coatings.

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