

Title (en)

METHOD FOR PRODUCING A METAL SEMI-FINISHED PRODUCT OR FINISHED PART AS MATERIAL COMPOSITE HAVING A FUNCTIONALISED SURFACE AND SUCH SEMI-FINISHED PRODUCT OR FINISHED PART

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLISCHEN HALBZEUGS ODER FERTIGTEILS ALS WERKSTOFFVERBUND MIT FUNKTIONALISIERTER OBERFLÄCHE UND DERARTIGES HALBZEUG ODER FERTIGTEIL

Title (fr)

PROCÉDÉ POUR FABRIQUER UN PRODUIT SEMI-FINI OU UNE PIÈCE PRÉFABRIQUÉE MÉTALLIQUE SOUS FORME DE MATÉRIAU COMPOSITE COMPRENANT UNE SURFACE FONCTIONNALISÉE ET PRODUIT SEMI-FINI OU PIÈCE PRÉFABRIQUÉE DE CE TYPE

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Abstract (en)

[origin: WO2020007387A1] The invention relates to methods for producing a metal semi-finished product or finished part as material composite having a functionalised surface and such semi-finished products or finished parts. The methods and such semi-finished products or finished parts are characterised in particular in that a surface or layer provided with particles can be produced and can be provided as a semi-finished product or finished part. For this purpose, a metal substrate as component of the semi-finished product or finished part is coated with a metal layer, particles are applied to the metal layer and the substrate with the metal layer and the particles is deformed at a temperature below the melting temperatures of the metal substrate, the metal layer and the particles. For this purpose, a semi-finished product or finished part is a material composite having a deposited metal layer and having particles incorporated by application and plastic deformation into the surface of the layer and/or into the layer.

IPC 8 full level

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