

Title (en)

METHOD FOR COATING PARTS MADE OF MATERIAL BASED ON SiC

Title (de)

VERFAHREN ZUM BESCHICHTEN VON FORMKÖRPERN AUF SILIZIUMCARBIDBASIS

Title (fr)

PROCEDE DE RECOUVREMENT DE PIECES EN MATERIAUX A BASE DE SiC

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Application

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Abstract (en)

[origin: WO0168560A1] The invention concerns a method for coating a part made of material based on silicon carbide, which consists in applying on at least a surface of said part a coating composition, and in heating the assembly formed by the part and the coating composition at a temperature sufficient to cause the surface of the coating composition to melt, so as to coat with a deposit said part made of material based on silicon carbide. Said coating composition is a non-reactive composition consisting, in atomic percentages, 40 to 97 % of silicon and 60 to 3 % of another element selected among chromium, rhenium, titanium, vanadium, ruthenium, iridium, rhodium, palladium, cobalt, platinum, cerium and zirconium, and, prior to heating a SiC and/or C reinforcement is added to the composition. The invention also concerns coating compositions and coated parts obtained by said method.

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