

ABSTRACT

**PROCESS FOR PRODUCING CHROMIUM CARBIDE-NICKEL BASE AGE
HARDENABLE ALLOY COATINGS AND COATED ARTICLES SO PRODUCED**

An improved erosion resistant coating for a gas path component of a turbo machine which comprises the thermal spraying of a chromium carbide, such as Cr_3C_2 , and an age hardenable nickel base alloy, such as Inconel 718, onto the gas path component and then, preferably, heat treating the deposited coating to harden the coating.