

Title (en)

EROSION-CORROSION RESISTANT CARBIDE CERMETS FOR LONG TERM HIGH TEMPERATURE SERVICE

Title (de)

EROSION- UND KORROSIONBESTÄNDIGE KARBIDCERMETS FÜR HOCHTEMPERATURANWENDUNGEN

Title (fr)

CERMETS A BASE DE CARBURE RESISTANT A L'EROSION ET A LA CORROSION POUR UTILISATION DE LONGUE DUREE AUX TEMPERATURES ELEVEES

Publication

EP 1631694 B1 20090415 (EN)

Application

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Priority

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- US 47178903 P 20030520
- US 82982304 A 20040422

Abstract (en)

[origin: WO2004104250A1] Cermets are provided in which the ceramic phase is selected from the group consisting of Cr₂₃C₆, Cr₇C₃, Cr₃C₂ and mixtures thereof. The binder phase is selected from certain specified Ni/Cr alloys and certain Fe/Ni/Cr alloys. These cermets are particularly useful in protecting surfaces from erosion at high temperatures.

IPC 8 full level

C22C 29/06 (2006.01); **B22F 7/00** (2006.01)

CPC (source: EP KR)

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