

Title (en)

PROCESS FOR PRODUCING A CORROSION- AND WEAR-RESISTANT LAYER BY THERMAL SPRAYING

Title (de)

VERFAHREN ZUM HERSTELLEN EINER KORROSIONS- UND VERSCHLEISSFESTEN SCHICHT DURCH THERMISCHES SPRITZEN

Title (fr)

PROCEDE POUR PRODUIRE UNE COUCHE ANTICORROSION ET ANTI-USURE PAR METALLISATION A CHAUD

Publication

EP 1133580 B1 20030502 (DE)

Application

EP 99959337 A 19991125

Priority

- DE 19854512 A 19981125
- DE 19857737 A 19981215
- EP 9909140 W 19991125

Abstract (en)

[origin: WO0031313A1] The invention relates to a material for producing a corrosion- and wear-resistant layer on a substrate by thermal spraying. Said material consists of at least 20 wt.-% - preferably more than 30 wt.-% - magnetite (Fe_3O_4 and/or FeFe_2O_4). Preferably, the inventive material consists of pure magnetite or of magnetite and at least one other metallic material or at least one intermetallic compound.

IPC 1-7

C23C 4/06; **C23C 4/10**; **C23C 4/12**

IPC 8 full level

C23C 4/04 (2006.01); **C23C 4/06** (2006.01); **C23C 4/10** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP)

C23C 4/06 (2013.01); **C23C 4/11** (2016.01); **C23C 4/12** (2013.01)

Cited by

US6952971B2

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

WO 0031313 A1 20000602; AT E239105 T1 20030515; AU 1655000 A 20000613; EP 1133580 A1 20010919; EP 1133580 B1 20030502; JP 2003522289 A 20030722; NO 20012564 D0 20010525; NO 20012564 L 20010525

DOCDB simple family (application)

EP 9909140 W 19991125; AT 99959337 T 19991125; AU 1655000 A 19991125; EP 99959337 A 19991125; JP 2000584120 A 19991125; NO 20012564 A 20010525