

Title (en)

PROTECTIVE COATING FOR METALLIC SURFACES AND PRODUCTION THEREOF

Title (de)

SCHUTZBESCHICHTUNG FÜR METALLISCHE OBERFLÄCHEN UND IHRE HERSTELLUNG

Title (fr)

REVÊTEMENT DE PROTECTION POUR SURFACES MÉTALLIQUES, AINSI QUE SA FABRICATION

Publication

EP 2401333 A1 20120104 (DE)

Application

EP 10704135 A 20100211

Priority

- EP 2010051741 W 20100211
- DE 102009012003 A 20090226

Abstract (en)

[origin: CA2758112A1] The invention relates to the use of a composition comprising a nanoscale powder, a porous ceramic powder, and a solvent to protect a metallic surface against chemical attacks at high temperatures, in particular in reducing and/or carburizing atmosphere, and to a corresponding method. The invention further relates to a system part that comprises a metallic surface that is exposed to a reducing and/or carburizing atmosphere in the operating state, wherein the surface is coated with a porous protective coating that has a specific surface area of at least 20 m²/g.

IPC 8 full level

C09D 1/00 (2006.01); **B01J 19/02** (2006.01); **C09D 5/18** (2006.01); **C09D 7/61** (2018.01); **C23C 24/08** (2006.01)

CPC (source: EP US)

B01J 19/02 (2013.01 - EP US); **C04B 35/119** (2013.01 - EP US); **C04B 35/63444** (2013.01 - EP US); **C09D 1/00** (2013.01 - EP US); **C09D 5/18** (2013.01 - EP US); **C09D 7/61** (2017.12 - EP US); **C09D 7/68** (2017.12 - EP US); **C09D 7/69** (2017.12 - EP US); **C09D 7/70** (2017.12 - EP US); **C10G 9/16** (2013.01 - EP US); **C10G 9/203** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US); **C23C 24/08** (2013.01 - EP US); **C23C 26/00** (2013.01 - EP US); **B01J 2219/0218** (2013.01 - EP US); **B01J 2219/024** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3232** (2013.01 - EP US); **C04B 2235/3262** (2013.01 - EP US); **C04B 2235/3274** (2013.01 - EP US); **C04B 2235/3281** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/5472** (2013.01 - EP US); **C04B 2235/9661** (2013.01 - EP US); **C08K 3/10** (2013.01 - EP US); **C08K 7/24** (2013.01 - EP US); **C10G 2300/70** (2013.01 - EP US); **Y10T 428/273** (2015.01 - EP US)

Citation (search report)

See references of WO 2010097300A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009012003 A1 20100902; CA 2758112 A1 20100902; CN 102333824 A 20120125; EP 2401333 A1 20120104; RU 2011135460 A 20130227; US 2011305605 A1 20111215; WO 2010097300 A1 20100902

DOCDB simple family (application)

DE 102009012003 A 20090226; CA 2758112 A 20100211; CN 201080009235 A 20100211; EP 10704135 A 20100211; EP 2010051741 W 20100211; RU 2011135460 A 20100211; US 201013203415 A 20100211