

Title (en)

METHOD OF FORMING SILICON-CONTAINING PROTECTIVE COATINGS ON METAL COMPONENTS

Title (de)

VERFAHREN ZUR BILDUNG SILIZIUMHALTIGER SCHUTZSCHICHTEN AUF METALLTEILEN

Title (fr)

PROCÉDÉ DE FORMATION DES REVÊTEMENTS PROTECTEURS AU SILICIUM SUR COMPOSANTS MÉTALLIQUES

Publication

**EP 3095895 B1 20190501 (EN)**

Application

**EP 16171410 A 20051212**

Priority

- US 2004041896 W 20041213
- EP 05853894 A 20051212
- US 2005045078 W 20051212

Abstract (en)

[origin: WO2006065819A2] A metal component (10) with a protective coating (16) containing silicon and a process for forming such protective coatings (14). The protective coating (16) is formed by applying a silicon-containing fluid composition to the metal component (10) as a silicon-containing layer (12) and heating the silicon-containing layer (12) to a temperature exceeding 400°F.

IPC 8 full level

**C23C 18/06** (2006.01); **C23C 18/12** (2006.01); **C23C 22/48** (2006.01); **C23C 22/74** (2006.01)

CPC (source: EP)

**C23C 18/06** (2013.01); **C23C 18/1212** (2013.01); **C23C 18/1241** (2013.01); **C23C 18/1275** (2013.01); **C23C 18/1279** (2013.01); **C23C 22/48** (2013.01); **C23C 22/74** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006065819 A2 20060622**; **WO 2006065819 A3 20061130**; EP 1831428 A2 20070912; EP 1831428 B1 20110622; EP 1834009 A2 20070919; EP 1834009 B1 20160720; EP 3095895 A1 20161123; EP 3095895 B1 20190501; ES 2368436 T3 20111117; PL 1831428 T3 20120330; PL 3095895 T3 20191031; WO 2007067185 A2 20070614; WO 2007067185 A3 20070802

DOCDB simple family (application)

**US 2005045078 W 20051212**; EP 05853894 A 20051212; EP 05858676 A 20051212; EP 16171410 A 20051212; ES 05858676 T 20051212; PL 05858676 T 20051212; PL 16171410 T 20051212; US 2005044843 W 20051212