

Title (en)

Platinum containing coating compositions for gas turbine engines

Title (de)

Beschichtungszusammensetzung enthaltend Platin für eine Gasturbine

Title (fr)

Compositions de revêtement à base de platine pour turboréacteur

Publication

EP 1772530 A3 20070822 (EN)

Application

EP 06254957 A 20060925

Priority

US 23852005 A 20050929

Abstract (en)

[origin: EP1772530A2] A waterborne platinum coating composition includes, in an exemplary embodiment, about 20 weight percent to about 40 weight percent of a platinum powder, about 0.5 weight percent to about 5.0 weight percent of a polymeric binder, less than about 1.0 weight percent of a surfactant, and about 55 weight percent to about 80 weight percent of water. All weight percents are based on the total weight of the coating composition.

IPC 8 full level

C23C 10/02 (2006.01); **C23C 10/20** (2006.01); **C23C 10/48** (2006.01); **C23C 10/60** (2006.01)

CPC (source: EP)

C23C 10/02 (2013.01); **C23C 10/20** (2013.01); **C23C 10/48** (2013.01); **C23C 10/60** (2013.01)

Citation (search report)

- [X] EP 1079002 A1 20010228 - GEN ELECTRIC [US]
- [A] EP 1126005 A2 20010822 - GEN ELECTRIC [US]
- [A] GB 2394478 A 20040428 - ROLLS ROYCE PLC [GB]
- [A] EP 1505176 A1 20050209 - GEN ELECTRIC [US]
- [A] US 6395406 B1 20020528 - SANGEETA D [US]

Cited by

EP1936010A3; EP1936010A2; US7749570B2

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1772530 A2 20070411; **EP 1772530 A3 20070822**; CN 1939989 A 20070404; CN 1939989 B 20120822; JP 2007092177 A 20070412; JP 4764795 B2 20110907

DOCDB simple family (application)

EP 06254957 A 20060925; CN 200610141319 A 20060929; JP 2006266174 A 20060929