

Title (en)

Non-flaking ceramic coat and coating system

Title (de)

Abplatzungssichere keramische Schicht und Schichtsystem

Title (fr)

Couche en céramique protégée contre l'éclatement et système de couche

Publication

**EP 2599890 A1 20130605 (DE)**

Application

**EP 11191553 A 20111201**

Priority

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Abstract (en)

The ceramic layer (17) has longitudinal coating tracks (4',4",44",7',7",77") that are provided with several coating layers (22',22",22). The coating layers are made of different materials such as zirconium oxide, yttria, pyrochlore, and gadolinium.

Abstract (de)

Durch die Verwendung von Beschichtungsspuren, die verschiedene Phasen mit zumindest einer Beschichtungslage aufweisen, wird das Spallationsverhalten deutlich verbessert.

IPC 8 full level

**C23C 4/00** (2006.01); **C04B 41/00** (2006.01); **C23C 28/00** (2006.01); **F01D 5/28** (2006.01); **F23M 5/04** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP)

**C23C 4/00** (2013.01); **C23C 28/00** (2013.01); **C23C 28/3215** (2013.01); **C23C 28/345** (2013.01); **C23C 28/3455** (2013.01); **F01D 5/284** (2013.01); **F23M 5/04** (2013.01); **F23R 3/007** (2013.01); **F05D 2300/20** (2013.01); **F05D 2300/601** (2013.01); **F05D 2300/6012** (2013.01); **F23M 2900/05004** (2013.01); **F23R 2900/00018** (2013.01)

Citation (applicant)

- EP 1204776 B1 20040602 - SIEMENS AG [DE], et al
- EP 1306454 A1 20030502 - SIEMENS AG [DE]
- EP 1319729 A1 20030618 - SIEMENS AG [DE]
- WO 9967435 A1 19991229 - SIEMENS AG [DE], et al
- WO 0044949 A1 20000803 - SIEMENS AG [DE], et al
- US 6024792 A 20000215 - KURZ WILFRIED [CH], et al
- EP 0892090 A1 19990120 - SULZER INNOTEC AG [CH]
- EP 0486489 B1 19941102 - SIEMENS AG [DE]
- EP 0786017 B1 19990324 - SIEMENS AG [DE]
- EP 0412397 B1 19980325 - SIEMENS AG [DE]

Citation (search report)

- [X] WO 2009144109 A1 20091203 - SIEMENS AG [DE], et al
- [A] EP 1669545 A1 20060614 - SIEMENS AG [DE]
- [A] EP 0719594 A1 19960703 - HORT STEFAN [CH]
- [A] DE 102006061652 A1 20080703 - BAYERISCHE MOTOREN WERKE AG [DE]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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