

Title (en)

Thermal barrier coating and process for its manufacture

Title (de)

Wärmedämmschicht und Verfahren zu ihrer Herstellung

Title (fr)

Couche formant une barrière thermique et procédé pour sa production

Publication

EP 0906964 A3 20020918 (DE)

Application

EP 98118456 A 19980930

Priority

DE 19743579 A 19971002

Abstract (en)

[origin: EP0906964A2] The method for producing a ceramic heat barrier layer by thermal spraying on a metal component whereby during and/or after application of such a layer it is subjected to a shot-blasting process. The resultant barrier layer has cracks near the surface produced by the shot-blasting process.

IPC 1-7

C23C 4/10; **C23C 4/12**; **C23C 4/18**; **C04B 35/5831**

IPC 8 full level

F01D 5/28 (2006.01); **C23C 4/12** (2016.01); **C23C 4/18** (2006.01); **F01D 25/08** (2006.01); **F02C 7/24** (2006.01)

CPC (source: EP US)

C23C 4/12 (2013.01 - EP US); **C23C 4/18** (2013.01 - EP US)

Citation (search report)

- [X] EP 0455996 A1 19911113 - PERKIN ELMER CORP [US]
- [XP] EP 0897019 A1 19990217 - FINMECCANICA SPA [IT]
- [A] US 4280975 A 19810728 - AMMANN CHARLES L
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 165 (C - 496) 18 May 1988 (1988-05-18)

Cited by

DE102014222684A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0906964 A2 19990407; **EP 0906964 A3 20020918**; **EP 0906964 B1 20080102**; DE 19743579 A1 19990415; DE 19743579 C2 20010816; ES 2297872 T3 20080501; JP 4603105 B2 20101222; JP H11158599 A 19990615; US 6214475 B1 20010410

DOCDB simple family (application)

EP 98118456 A 19980930; DE 19743579 A 19971002; ES 98118456 T 19980930; JP 27984698 A 19981001; US 16572198 A 19981002