

Title (en)

METHOD FOR MAKING HEAT BARRIER COATINGS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WÄRMEDÄMMSCHICHTEN

Title (fr)

PROCÉDÉ DE FABRICATION DE REVÊTEMENTS DE BARRIÈRE THERMIQUE

Publication

**EP 2069080 B1 20101103 (EN)**

Application

**EP 07820675 A 20070928**

Priority

- EP 2007060287 W 20070928
- IT PR20060087 A 20061005

Abstract (en)

[origin: WO2008040678A1] A method for making a thermal barrier coating (11), such as for gas turbine components (5) and mainly heat shields, combustion chambers or turbine wall covering panels, said thermal barrier coating (11 ) resulting from successive deposition of various numbers of layers (13, 15) which join together to form the coating (11 ), which coating (11 ) is obtained by any Thermal Spray process, including the steps of laying at least three coating layers (13), each of said layers being deposited at a different angle (t,  $\beta$ , a) of the spray torch (33); said angles (t,  $\beta$ , a) being defined relative to the surface to be sprayed and covering a range from 30° to 150° with respect to the tangent to the surface (3) of the component (5) to be coated. Protection also extends to the component so coated and the covering structure.

IPC 8 full level

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CPC (source: EP)

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