

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, β , a) of the spray torch (33); said angles (t, β , 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)

C23C 4/02 (2013.01); **C23C 4/11** (2016.01); **C23C 4/12** (2013.01)

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