

Title (en)

HYBRID THERMAL BARRIER COATING AND PROCESS OF MAKING THE SAME

Title (de)

HYBRIDE WÄRMEDÄMMSCHICHT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

REVÊTEMENT DE BARRIÈRE THERMIQUE HYBRIDE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2971240 A1 20160120 (EN)

Application

EP 13878078 A 20131230

Priority

- US 201361781656 P 20130314
- US 2013078186 W 20131230

Abstract (en)

[origin: WO2014143363A1] A thermal barrier coating is applied to a turbine engine component having a substrate. The thermal barrier coating has a first layer which has a strain tolerant columnar microstructure at an interface with the substrate for spallation resistance and a second layer which is porous conduction and radiation thermally resistant at an outer surface of the thermal barrier coating.

IPC 8 full level

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CPC (source: EP US)

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