

METHODS AND MATERIALS FOR REPAIRING A THERMAL BARRIER COATING OF A GAS TURBINE COMPONENT

ABSTRACT

A sprayable thermal barrier coating powder mixture (208) for a gas turbine engine (10) includes: a dry composition having a low surface area ceramic powder (214) having a median particle size distribution greater than 5 microns and less than 50 microns, and a high surface area ceramic powder (216) having a median particle size distribution smaller than 5 microns, wherein the low surface area ceramic powder (214) makes up at least 50% by weight of the dry composition of the sprayable thermal barrier coating powder mixture (208).

[Figure 1]