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(54) Title: CMAS RESISTANT, HIGH STRAIN TOLERANT AND LOW THERMAL CONDUCTIVITY THERMAL BARRIER COATINGS AND THERMAL SPRAY COATING METHOD

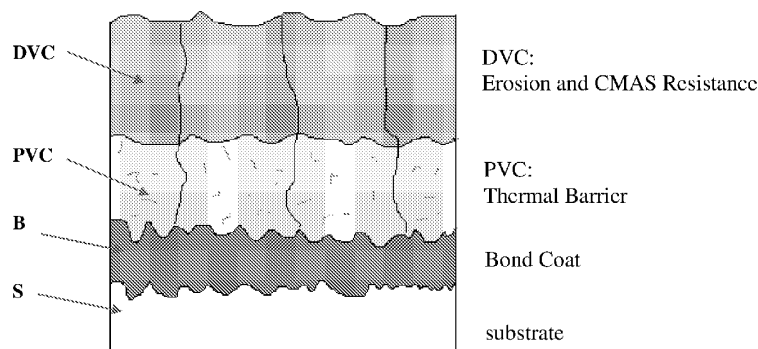


FIG. 1

(57) Abstract: An erosion and CMAS resistant coating arranged on a TBC coated substrate and including at least one porous vertically cracked (PVC) coating layer providing lower thermal conductivity and being disposed over a layer of MCrAlY wherein M represents Ni, Co or their combinations. At least one dense vertically cracked (DVC) erosion and CMAS resistant coating layer is deposited over the at least one PVC coating layer.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
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