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(71) Applicant (for all designated States except US): GEN-
ERAL ELECTRIC COMPANY [US/US]; 1 River Road,
Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GUPTA, Bhupen-
dra, Kumar [US/US]; 8113 Starting Gate, Cincinnati,
OH 45249 (US). EMILIANOWICZ, Edward, John
[US/US]; 6460 Leopard Lane, West Chester, OH 45069
(US). MUNEERUDDIN, Mohamed [US/US]; 7 Willow-
dale Drive, Lynnfield, MA 01940 (US).

(74) Agents: GNIBUS, Michael et al.; General Electric Com-
pany, 3135 Easton Turnpike (W3C), Fairfield, CT 06828
(US).

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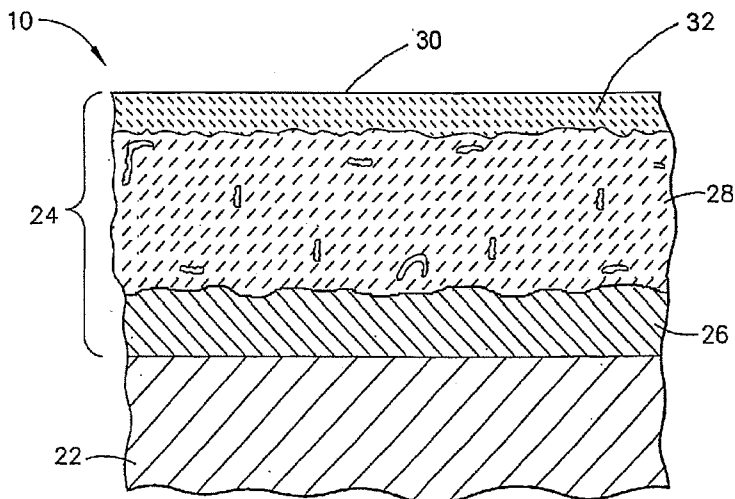
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(54) Title: SMOOTH OUTER COATING FOR COMBUSTOR COMPONENTS AND COATING METHOD THEREFOR



(57) Abstract: A coating and method for reducing the incidence of cracking in a combustor assembly (10) of a gas turbine engine, and particularly combustor assemblies of at least two components (14,16,18) that are welded together to define a weld region (22) that is prone to cracking at combustion temperatures sustained within the combustion chamber of the gas turbine engine. At least the surface of the weld region (22) protected by a coating system (24) comprising a thermal-sprayed metallic bond coat (26) and a ceramic coating (28) deposited on the bond coat (26). The ceramic coating (28) is deposited by thermal spraying a powder having a particle size of not greater than 10 micrometers, and the outer surface (30) of the coating system (24) is smoother than the outer surface of the bond coat (26) on which the ceramic coating (28) is deposited.

WO 2006/006995 A1



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