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45036 (US). **WUSTMAN, Roger, Dale**; 101 Bridle Lane, Loveland, OH 45140 (US). **EVANS, John, Douglas, Sr.**; 3970 Johnson Road, Springfield, OH 45502 (US).

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(74) Agents: **HARRINGTON, Mark, F.** et al.; Harrington & Smith, LLP, 1809 Black Rock Turnpike, Fairfield, CT 06432-3504 (US).

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(71) Applicant: **GENERAL ELECTRIC COMPANY**
[US/US]; One River Road, Schenectady, NY 12345 (US).

(72) Inventors: **ZIMMERMAN, Robert, George, Jr.**; 5335 State Route 132, Morrow, OH 45152 (US). **BROOKS, William, Clarke**; 28 Oakwood Avenue, Lebanon, OH

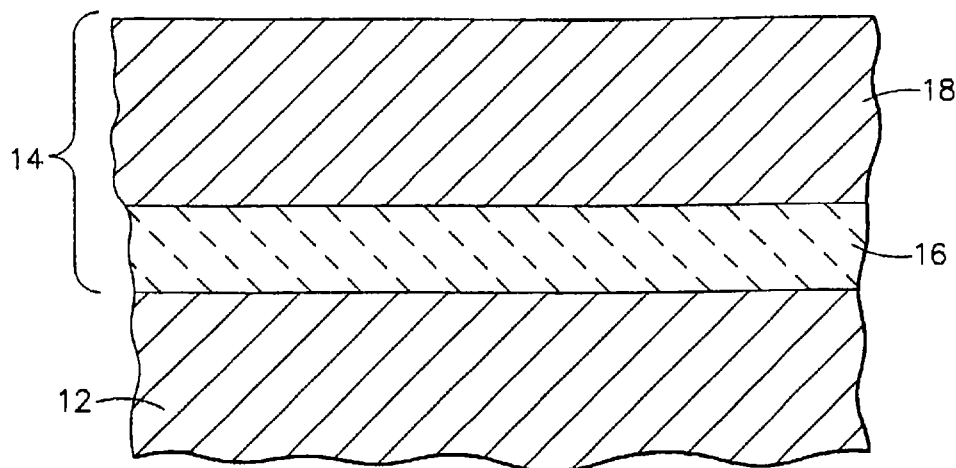
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(54) Title: METHOD OF REMOVING CERAMIC COATINGS



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(57) Abstract: A method of removing a ceramic coating (18), and particularly zirconia-containing thermal barrier coating (TBC) materials such as yttria-stabilized zirconia (YSZ), that has been either intentionally or unintentionally deposited on the surface of a component (10). The method entails subjecting a ceramic coating (18) to an aqueous solution containing an acid fluoride salt, such as ammonium bifluoride (NH₄HF₂) or sodium bifluoride (NaF₂), and a corrosion inhibitor. The method is capable of completely removing the ceramic coating (18) without removing or damaging the underlying substrate material, which may include a metallic bond coat (16).