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- (71) **Applicant:** AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH [SG/SG]; 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632 (SG).
- (72) **Inventors:** WANG, Shi Jie; c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602 (SG). ONG, Thiam Min Brian; c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602 (SG). NA, Wee Kwong; c/o ST Aerospace Engines Pte Ltd, 501 Airport Road, Paya Lebar, Singapore 539931 (SG). KOH, Li Teck; c/o ST Aerospace Engines Pte Ltd, 501 Airport Road, Paya Lebar, Singapore 539931 (SG).
- (74) **Agent:** SPRUSON & FERGUSON (ASIA) PTE LTD; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).
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(54) **Title:** A METHOD OF TREATING A THERMAL BARRIER COATING

(57) **Abstract:** There is provided a method for treating a substance having a thermal barrier coating in contact with an alloy substrate comprising the step of irradiating the thermal barrier coating while the alloy substrate is maintained at a substantially constant temperature. There is also provided a system for treating a substance having a thermal barrier coating in contact with an alloy substrate. There is also provided a substance having an alloy substrate in contact with a radiation treated thermal barrier coating.



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