U.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008) United States Patent and Trademark Office RECORDATION FORM COVER SHEET S-96,909 JP. PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies) 2. Name and address of receiving party(les) Name: United States Department of Energy GENERAL ELECTRIC COMPANY Internal Address: Additional name(s) of conveying party(les) attached? [___ Yes 🗹 No 3. Nature of conveyance/Execution Date(s): Street Address: 1000 Independence Ave., S.W. Execution Date(s) 03/29/2007 Assignment Merger City: Washington Security Agreement Change of Name Joint Research Agreement State: **D_C____** Government Interest Assignment Country: USA Zip: 20585 Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Yes Vo Other 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 09/751,347 Additional numbers attached? Yes No 6. Total number of applications and patents 5. Name and address to whom correspondence concerning document should be mailed: involved: 1 Mark P. Dvorscak 7. Total fee (37 CFR 1.21(h) & 3.41) \$___ Internal Address: U. S. Dept. of Energy, IPLD Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed Street Address: 9800 S. Cass Ave ✓ None required (government interest not affecting title) 8. Payment information City: Argonne a. Credit Card Last 4 Numbers _____ State: IL Zip:60439 Expiration Date _____ Phone Number: 630-252-2393 b. Deposit Account Number Fax Number: 630-252-2779 Authorized User Name _ Email Address: 9. Signature: Signature Total number of pages including cover Michael J. Dobbs #58,093 sheet, attachments, and documents: Name of Person Signing

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PATENT REEL: 019175 FRAME: 0009

CONFIRMATORY LICENSE

(Advanced Waiver of Patent Rights)

Title

Dense Vertically Cracked Thermal Barrier Coating Process to Facilitate

Post-Coat Surface Finishing Operation

Inventor(s)

Stephen Daniel Graham, Mark Francis DeSoi, Martin Lewis Smith,

Michael Wayne Wallace and Robert Leighton Ling

Serial No.

09/751,347

Filing Date:

12/28/2000

Contractor

GENERAL ELECTRIC COMPANY

DOE Contract No.:

DE-FC21-95MC31176

DOE Case No.

S-96,909

G. E. Docket No. 17W-7044

U.S. PATENT NO.:

6,432,487

Issue: 08/13/2002

Advanced Waiver No.: W(A)-95-034

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

An advanced waiver of Government rights having been granted by the U.S. Department of Energy (DOE) to General Electric Company and the above-identified invention having been reported as a Subject Invention to DOE by the contractor with its election to file a domestic patent application thereon, the effective date of said waiver for the above invention is 11/06/2000.

Accordingly, this document is confirmatory of the paid-up license required to be granted to the Government under 10-CFR -Part -784 and the above-identified contract in this invention, patent application and any resulting patent as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, and of all rights acquired by the Government by the referenced patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The government is hereby granted an irrevocable power to inspect and make copies of the above-identified

patent application.

Signed this

(SEAL)

GENERAL ELECTRIC COMPANY

(Contractor)

Bv:

(Contractor's Official and Title)

(Business Address)

PATENT REEL: 019175,FRAME, 0919 **

RECORDED: 04/17/2007