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Form PTO-1595 (Rev. 03/05) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Offi				
	ORM COVER SHEET				
PATENTS ONLY					
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.					
Name of conveying party(ies)	2. Name and address of receiving party(ies)				
Heroid L. Hughes Bernard J. Mrstik	Name: The USA as represented by the Secretary of the Nevy				
Reed K. Lawrence Patrick J. McMart	Internal Address: Chief of Naval Research				
Additional name(s) of conveying party(ies) attached? Yes V No	Office of Counsel (ATTN: CODE OOCCIP)				
3. Nature of conveyance/Execution Date(s):	Street Address: One Liberty Center				
Execution Date(s) 04/11/06	875 North Randolph Street Suite 1425				
Assignment Merger					
Security Agreement Change of Name	City: Arlington				
Joint Research Agreement	State: VA				
Government Interest Assignment	Country: USA Zip:22203				
Executive Order 9424, Confirmatory License					
Other	Additional name(s) & address(es) attached? Tyes Y No				
4. Application or patent number(s):	document is being filed together with a new application.				
A. Patent Application No.(s) 11/365,951	B. Patent No.(s)				
NC# 95,955					
	ached? Yes / No				
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1				
Name: Associate Counsel (PATENTS)					
*****	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00				
Internal Address: Nevel Research Laboratory (ATTN: CODE 1008.2)	Authorized to be charged by credit card				
	Authorized to be charged to deposit account				
Street Address: 4555 Overlook Avenue, SW	 Enclosed None required (government interest not affecting title) 				
City: Washington	8. Payment Information				
State: DC Zip:20375	a. Credit Card Last 4 Numbers Expiration Date				
Phone Number: 202/404-1552	b. Deposit Account Number 50-0281				
Fax Number: 202/404-7380					
Email Address:	Authorized User Name				
9. Signature: any fressing	4-15-2006				
Signeture	Date				
Amy Ressing Reg. 45,814	Total number of pages including cover				
Name of Person Signing	sheet, attachments, and documents;				

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Step Assignment Recordation Services, Director of the USPTO, P.O.Box 1459, Alexandria, V.A. 22313-1459

PATENT

Navy Case No. 95,955 Page 1 of 1

ASSIGNMENT

WHEREAS, I/We, Barold L. Hughes, of West Biver, MD, and Bernard J. Mystik , of Alexandria, VA, while employed by the Government of the United States, have invented restain new and useful improvements in "TECENIQUE TO RADIATION-HARDEN TRENCH REPIBL OXIDES". identified as Navy Case No. 95,955 and described in application for letters Patent of the United States of America executed by was and:

WEERERS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Gevennout to desirous of acquaring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conductions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 19096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to develop rights, it is the policy of the Sovernment to obtain an option to exercise such rights.

NOW. THEREFORE in consideration of the premises only other good and valuable consideration the receipt of which is hereby acknowledged. I hereby assign and transfer to the Covernment the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and letters Patent to be held by the Government to the end of the term for which said letters Patent may be granted, as fully and entirely as the date would have been took by me had this subjuncent not been take

I/We do hereby also grant unto the Sovernment, the option to take the entere right, table and interest in the invention and all potent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may fule, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided. Nowever, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filling date of any application for United States Letters Patent sovering the invention, or within eight months from the declassification of the invention whithever is later, and that all foreign rights not exercised under the aption are left to me subject to a conexclusive, firevocable, royaltyfree Alconse to the Bovernment in any patent or other form of proceeding which may issue on sold invention in any foreign country, including the power to issue sup-licenses for use in behalf of the Sovernment and/or in furtherance of the foreign policies of the Sovernment.

I/We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or excension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arraing through such efforts will be paid by the Government

IN TESTIMONY WHERECF, I We have get my hand and affixed my scal

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(Sent)

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Assignment

TECHNIQUE TO RADIATION HARDEN T	Contractor				
Howald I Harter	\$FA	, INC			
Harold L. Hughes	Contract No.	<u>-</u>	· · · · · · · · · · · · · · · · · · ·		
Bernard J. Mrstik	N00173-99-D-2005			Covernment Agency NRL	
Reed K. Lawrence	Contractor Invention Docket No.				
Patrick J. McMart	CONTRACTOR INVESTIGATI	rinvention Docket No.		Agenty Docker No.	
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	Date Executed	Serial No		Piling Date	
The license reserved to the Con ffiliated companies, if any within the saignable to the successor of that par The inventor(s) further agrees of furnishing any available information	t of the Contractor	s or which the cont	factor is a part h such invention	t and shall pertains.	
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Navy Case No. 95,955 Page 1 of 1

ASSIGNMENT

WHEREAS, I/We, Harold L. Hughes, of West River, MD, and Bernard J. Mrstik . of Alexandria, VA, while employed by the Government of the United States, have invented certain new and useful improvements in "TECHNIQUE TO RADIATION-HARDEN TRENCH REFILL OXIDES", identified as Navy Case No. 95,955 and described in application for Letters Patent of the United States of America executed by us; and:

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WMEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

MOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged. I hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such betters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and betters Patent to be held by the Government to the end of the term for which said betters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment not been made.

I/We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I/We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I/we have get my hand and affixed my s	eal.
Harold L. Hughes	DATE: 4/11/06
Bernard J. Mrstik	DATE:

PATENT REEL: 017635 FRAME: 0927

RECORDED: 05/17/2006