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Form PTO-15 U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇔ ⇔ ⇔ 102446145 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) 5-7-03 The United States of America as Name: represented by the Secretary of the Navy Michael Marchywka CHIEF OF NAVAL RESEARCH Internal Address: OFFICE OF COUNSEL Additional name(s) of conveying party(les) attached? Yes XX No. 3. Nature of conveyance: (ATTN: CODE OOCCIP) xx Assignment Merger BALLSTON TOWER ONE Street Address: Security Agreement Change of Name 800 NORTH QUINCY STREET Other____ City: ARLINGTON State: VA Zip: 22217 Execution Date: April 17, 2003 Additional name(s) & address(es) attached? Yes xx No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:_____ A. Patent Application No.(s) NC. 82.510 B. Patent No.(s) 6,534,125 Additional numbers attached? Yes xx No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41)......\$ 40.00 Name: ASSOCIATE COUNSEL (PATENTS) Enclosed Internal Address: NAVAL RESEARCH LABORATORY Authorized to be charged to deposit account (ATTN: CODE 1008.2) 8. Deposit account number: Street Address: 4555 OVERLOOK AVENUE, SW 50-0281 City: WASHINGTON State: DC Zip: 20375 DO NOT USE THIS SPACE 9. Signature. JOHN J. KARASEK Reg. No. 36,182 Name of Person Signing Signature

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Navy Case No. 82,510

ASSIGNMENT

WHEREAS, I/We, Michael J. Marchywka of Smyrna, GA while employed by the Government of the United States, have invented certain new and useful improvements in "PROCESS FOR ADHERING AN OXIDE OF SILICON TO A DIAMOND SURFACE HAVING NON-DIAMOND CARBON THEREON*, identified as Navy Case No. 82,510 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

WHEREAS, 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;

NOW, 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 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 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 forcign 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, royaltyfree 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 application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

Mully / W/Marchywka

IN TESTIMONY WHERROF, I/We have set my hand and affixed my seal.

Date: April 1,2003

RECORDED: 05/07/2003

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