UV\$ HO

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| Phillip E Thompson | 07/06/2000 |
| Karl Hobart | 07/06/2000 |

RECEIVING PARTY DATA

| Name: | Navy, The United States of America, as Represented by the Secretary of the Navy | |
|-------------------|---|--|
| Street Address: | 875 North Randolph Stree | |
| Internal Address: | Office of Naval Research, Suite 1475 | |
| City: | Arlington | |
| State/Country: | VIRGINIA | |
| Postal Code: | 22203 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 7303969 |

CORRESPONDENCE DATA

Fax Number: (202)404-7380

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-767-3427

Email: amy.ressing@nrl.navy.mil

Correspondent Name: Naval Research Laboratory

Address Line 1: 4555 Overlook Ave, SW

Address Line 2: Code 1008.2

Address Line 4: Washington, DISTRICT OF COLUMBIA 20375

| ATTORNEY DOCKET NUMBER: | 79496-DIV |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Amy L. Ressing |

Total Attachments: 1

500461188

source=assignment 79496#page1.tif

PATENT

REEL: 020487 FRAME: 0475

ASSIGNMENT

WHEREAS, We, Phillip Thompson and Karl Hobart, of Springfield, VA and Upper Marlboro, MD, while employed by the Government of the United States, have invented certain new and useful improvements in SI-BASED RESONANT INTERBAND TUNNELING DIODES AND METHOD OF MAKING INTERBAND TUNNELING DIODES, identified as Navy Case No. 79,496 and described in application for Letters Patent of the United States of America executed by us on May 5, 2000; 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, We 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 us had this assignment not been made.

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 filed in foreign countries 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 us 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.

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.

IN TESTIMONY WHEREOF. We have set our hands and affixed our seals.

RECORDED: 02/11/2008

| Date: 7-6-00 | Phillip E. Thompson | Seal |
|--------------|---------------------|------|
| | Phillip Thompson | _ |
| Date: 7-6-60 | Karl Hobert | Seal |

PATENT REEL: 020487 FRAME: 0476