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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Hsing-Cheng Chen

7-24102

## 2. Name and address of receiving party(ies)

The United States of America as  
Name: represented by the Secretary of  
the NavyInternal Address: Chief of Naval Research  
OFFICE OF COUNSEL  
(ATTN: CODE OOCIP)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: BALLSTON TOWER ONE800 NORTH QUINCY STREETCity: ARLINGTON State: VA Zip: 22217-  
5660Execution Date: June 19, 2002Additional name(s) & address(es) attached? ☐ Yes ☒ No4. Application number(s) or patent number(s): 10/175,532If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Office of Counsel, Code 004Internal Address: Naval Surface Warfare  
Center, Carderock DivisionStreet Address: 9500 MacArthur Boulevard  
West Bethesda, MD 20817-5700

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0958

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## 9. Signature.

JOHN L. FORREST JR., Reg. No. 29,378

Name of Person Signing

Signature

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PATENT  
REEL: 013136 FRAME: 0151

# ASSIGNMENT OF INVENTION

WHEREAS I (we), **Hsing-Cheng Chen** of McLean, Virginia, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled

## **BI-DIRECTIONAL REFLECTANCE DISTRIBUTION FUNCTION DETERMINATION BY LARGE SCALE FIELD MEASUREMENT**

identified as Navy Case No. 82,087 and described in application for Letters Patent of the United States of America as executed by me (us) on June 19, 2002; 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, the Government desires to obtain the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, the Government desires an option to obtain the foreign rights in and to the invention;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I (we) hereby assign and transfer to the United States of America as represented by the Secretary of the Navy 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 United States of America as represented by the Secretary of the Navy 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 (us) had this assignment not been made.

I (We) do hereby also grant to the Government, the option to take the entire right, title, and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me (us) within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to me (us) subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the 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 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, I (we) have set my (our) hand(s) and affixed my (our) seal(s).

6/19/2002  
Date

Hsing-Cheng Chen Seal  
HSING-CHENG CHEN