

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>SHUHUI nmh KANG</td><td>11/26/2010</td></tr><tr><td>WU nmh WEN-LI</td><td>06/16/2010</td></tr></tbody></table>		Name	Execution Date	SHUHUI nmh KANG	11/26/2010	WU nmh WEN-LI	06/16/2010
Name	Execution Date						
SHUHUI nmh KANG	11/26/2010						
WU nmh WEN-LI	06/16/2010						
RECEIVING PARTY DATA							
Name:	GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF COMMERCE, THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY						
Street Address:	100 BUREAU DRIVE						
Internal Address:	MS 2200						
City:	GAITHERSBURG						
State/Country:	MARYLAND						
Postal Code:	20899-2200						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12787702</td></tr></tbody></table>		Property Type	Number	Application Number:	12787702		
Property Type	Number						
Application Number:	12787702						
CORRESPONDENCE DATA							
Fax Number:	(301)975-3482						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	301-975-3084						
Email:	blthomas@nist.gov						
Correspondent Name:	BRENDA L. THOMASSON						
Address Line 1:	100 BUREAU DRIVE						
Address Line 2:	MS 2200						
Address Line 4:	GAITHERSBURG, MARYLAND 20899-2200						
ATTORNEY DOCKET NUMBER:	09-013						
NAME OF SUBMITTER:	Brenda L. Thomasson						

501398771

PATENT
REEL: 025594 FRAME: 0836

CH \$40.00 12787702

Total Attachments: 4

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PATENT

REEL: 025594 FRAME: 0837

ASSIGNMENT OF PATENT RIGHTS

I WU WEN-LI residing in GAITHERSBURG, MARYLAND invented "SUBSTRATES FOR ENHANCING THE SENSITIVITY OF REFLECTIVE IR AND IR ELLIPSOMETER MEASUREMENTS," and have filed an application for United States Letters Patent, Serial Number 12/787,702 on May 26, 2010.

The invention was made while I was employees of the United States Department of Commerce and under such circumstances that applicable laws and regulations render the patent rights assignable to the United States. The United States of America, represented by the Secretary of Commerce, wishes to acquire these rights.

Therefore, I assign to the United States of America, as represented by the Secretary of Commerce, our full and exclusive world-wide rights to this invention. This invention and its derivative applications and Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by us had I not made this assignment.

I agree to make, execute, and deliver to the Secretary of Commerce all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the

settlement of any interference or other action or proceeding, these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOF, I sign



WU WEN-LI

June 16, 2010
DATE

ASSIGNMENT OF PATENT RIGHTS

I, SHUHUI KANG, residing in GAITHERSBURG, MARYLAND, invented "SUBSTRATES FOR ENHANCING THE SENSITIVITY OF REFLECTIVE IR AND IR ELLIPSOMETER MEASUREMENTS," and have filed an application for United States Letters Patent, Serial Number 12/787,702 on May 26, 2010.

The invention was made while I was a Guest Researcher at the National Institute of Standards and Technology, the United States Department of Commerce, and under such circumstances that applicable laws, and regulations and agreements render the patent rights within the United States assignable to the United States. The United States of America, represented by the Secretary of Commerce, wishes to acquire these rights.

Therefore, I assign to the United States of America, as represented by the Secretary of Commerce, my full and exclusive rights within the United States to this invention. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by us had

we not made this assignment.

I agree to make, execute, and deliver to the Secretary of Commerce all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all domestic applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any interferences or other actions or proceedings these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOF, I sign.



SHUHUI KANG

11/26/2010
Date