RECC	HEET U.S. DEPARTMENT OF COMMETTIC
04-08-	2009 Patont arki Tradomark (Spr.
To the Honorable Commissioner of Pate 103555	564
. Name of corwaying party(los):	5564 2. Name and address of receiving party(les)
JAMES N. HILFIKER JIANING SUN	Name:J.A. WOOLLAM CO., INC.
PING HE MARTIN M. LIPHARDT	Internal Address:
childrand name(a) of conveying party(les) attached? D Yes to No	· · · · · · · · · · · · · · · · · · ·
s. thature of conveyance:	
🕿 Assignmont 🛛 🖾 Merger'	Street Address: 645 M ST.
U Socurity Agroement C Change of Name	
U Ollior	City: LINCOLN State: NE ZIP: 68508
Execution Date: DECEMBER 8, 2008	Additional name(s) & address(as) etiached? D Yes & Ho
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	n the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
12/315,898	APR -7
Additional numbers at	Itached? O Yos D No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patonts involved: $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$
Namo:JAMES D. WELCH	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address:	
	Enclosed
	C Authorized to be charged to deposit account
Sireot Address: 10328 PINFHURST AVF.	
Street Address: 10328 PINFHURST AVF.	8. Deposit account number:
OMAHA	
City: <u>OMAHA</u> State: <u>NE</u> ZIP: 68124	(Attach duplicate copy of this page if paying by deposit account)
DO NOT U	JBE THIS BPACE
0. Statement and she	84/07/2009 HJAMA1 80000044 12/15898
9. Statement and signature. To the best of my knowledge and bellef, the foregoing info	mailon is true and source and any allached copy is a line or
	21102109
JAMES D. WELCH Name of Person Signing	Bignature Donin
	ng cover sheet, attachments, and document:
Mell documents to be recorded wit	th required cover cheet information to:
Commissioner of Patants &	Trademarks, Box Assignments

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PATENT REEL: 022491 FRAME: 0422 4315,898

ASSIGNMENT

WHEREAS WE, JAMES N. HILFIKER; JIANING SUN; PING HE and MARTIN M. LIPHARDT are the Inventors of the invention titled "<u>ELLIPSOMETRIC</u> <u>INVESTIGATION AND ANALYSIS OF TEXTURED SAMPLES</u>"; and

WHEREAS WE are the owner of record of a United States Patent Application of the title recited above which is being submitted to the United States Patent Office, the Serial Number of which is 12/315,898; (to be filled-in when available), and

WHEREAS WE might pursue Foreign Patent Applications under the Cooperation Treaty and directly in Non-Member Nations which concern the same Invention and Improvements thereto; and

WHEREAS WE are, under the terms of an Agreement or Employment Contract with the J.A. WOOLLAM CO. INC., obligated to assign any and all Patent Applications and Patents which Issue thereon, Domestic and Foreign, Present and Future for said Invention and Improvements thereto to the J.A. WOOLLAM CO. INC.; and

WHEREAS the J.A. WOOLLAM CO. INC. is desirous of accepting an Assignment of any and all interest in said Application(s) for Patent(s) and Patent(s) which Issue thereon, Domestic and Foreign, Present and Future as provided for in said Agreement or Employment Contract with the Inventors;

NOW THEREFORE, in recognition of the receipt of One Dollar (\$1.00) and other good, valuable and sufficient consideration received from J.A. WOCLLAM CO. INC., WE JAMES N. HILFIKER; JIANING SUN; PING HE and MARTIN M. LIPHARDT do:

1. Hereby Sell, Assign, Transfer and/or otherwise Set Over Without Reservation and Conditions other than those recited herein, to the J.A. WOOLLAM CO. INC., its Legal Representatives, Successors, Assigns etc. the entire interest in the Rights and Title to any Patent Applications and Patents which Issue thereon, Domestic and Foreign, Present and Future, for said Invention and Improvements; so that the J.A. WOOLLAM CO. INC. shall hereafter own all Rights and Title as fully and completely as I would have owned said Rights and Title were the present Assignment not made, with the full understanding that the entire Rights and Title to said Invention shall immediately vest, irrevocably, in the J. A. WOOLLAM CO. INC., its Legal Representatives, Successors, Assigns etc.

2. Agree to execute all future documents as may be necessary to acquire issue of the Patent Application and additional Patents Applications for said Invention, and Improvements thereto, in the United States and in Foreign Countries.

PATENT REEL: 022491 FRAME: 0423 3. Request that the Commissioner of Patents and Trademarks in the United States and the equivalent in Foreign Countries issue United States Patent Application, Serial Number 12/315,898, (to be filled-in when available), and such additional Patent Applications, Domestic or Foreign which result from future Patent Cooperation Treaty Patent Application, Foreign or Domestic Patent Applications to the J. A. WOOLLAM CO. INC., its Legal Representatives, Successors, Assigns etc., as the case might at the Issue Date thereof.

4. Agree that I will, at no time, do anything to jeopardize the validity of any Patent or Patent Application, Domestic or Foreign, Present or Future other than as necessitated by the duty of Truthful Disclosure required during the normal course of Patent Application Prosecution or Litigation before an Examining or Judicial Authority.

IN AGREEMENT WITH THE FOREGOING, WE JAMES N. HILFIKER; JIANING SUN; PING HE and MARTIN M. LIPHARDT AS INVENTORS, HEREBY WILLINGLY AND FREELY, IN RECOGNITION OF GOOD, VALUABLE AND SUFFICIENT CONSIDERATION RECEIVED FROM THE J.A. WOOLLAM CO. INC. AND I, JOHN A. WOOLLAM, AS PRESIDENT OF THE J.A. WOOLLAM CO. INC., AFFIX OUR SIGNATURES TO EFFECT THE TERMS OF THIS ASSIGNMENT, SAID SIGNATURES EACH BEING AFFIXED IN THE PRESENCE OF A NOTARY PUBLIC.

6/10 12/8/08 DATE JAMES N. PING HE NVENTOR INVENTOR BRANDY J. POOLE BRANDY J. POOLE MY COMMISSION EXPIRES MY COMMISSION EXPIRES March 17, 2012 March 17, 2012 ndi Pali 12-8-05 12/8.0 NOTARY PUBLIC TARY PUBLIC DATE 12/8/08 MARTIN M. JIANING SUN ′LIØHARDT DATE INVENTOR INVENTOR BRANDY J. POOLE MY COMMISSION EXPIRES BRANDY J. POOLF March 17, 2012 MY COMMISSION EXPIRES DATE NOTARY PUBLIC DATE **BRANDY J. POOLE** 12/8/08 MY COMMISSION EXPIRES March 17, 2012 NOTARY OHN A. WOOLLAM PUBLIC DATE PRESIDENT OF THE J.A. WOOLLAM CO. INC. BRANDY J. POOLE

PATENT REEL: 022491 FRAME: 0424

U.J

402-091-4440

RECORDED: 04/07/2009

MY COMMISSION EXPIRES March 17, 2012