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To the Honorable Commissioner of Patents and Tradem	cuments or copy thereof.
1. Name of conveying party(les):	103023308 ving party(les)
BLAINE D. JOHS; JEFFREY SA HALE	Name: J.A. WOOLLAM CO. INC.
JOHN A. WOOLLAM; CRAIG M. HERZINGER	Internal Address:
Af-Hilbrini name(e) of conveying party(les) attached? C) Yes to No	
3. Matura of conveyance:	
■ Assignment □ Merger	Street Address: 645 M St.
L) Security Agreement C) Change of Name	
U Other	City: LINCOLN State: NE ZII 68508
Execution Date: SEPTEMBER 9, 2004	
CARAMON DAIG.	Additional name(s) & address(as) effectived? CI Yes Si No
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)
10/943,821	
. Additional numbers at	tached? CI Yes El No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
flamo: JAMES D. WELCH	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address:	
months Address.	m Enclosed
	☐ Authorized to be charged to deposit account
Stroot Address: 10328 PINEHURST AVE.	8. Deposit account number:
	•
City: OMAHA State: NE ZIP: 68124	(Attach duplicate copy of this page if paying by deposit economi)
DO NOT U	SE THIS SPACE
t.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing inforting original document.	mation is true and comect and any attached copy is a true cop
JAMES D. WELCH	() / Lelle 6/6/05
Name of Person Signing	Signature 3 Date
the state of the s	ng cover sheet, attachments, and document:
Mail documents to be recorded with 17/2005 ECOOPER 00000087 10943821 Commissioner of Patents &	h required cover sheet information to: Trademarks, Box Assignments

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PATENT

REEL: 016688 FRAME: 0522

ASSIGNMENT

WHEREAS WE, BLAINE D. JOHS, JEFFREY S. HALE, JOHN A. WOOLLAM and CRAIG M. HERZINGER are the Inventors of the invention titled "APPLICATION OF INTERMEDIATE WAVELENGTH BAND SPECTROSCOPIC ELLIPSOMETRY TO IN-SITU REAL TIME FABRICATION OF MULTIPLE LAYER ALTERNATING HIGH/LOW REFRACTIVE INDEX FILTERS"; and

WHEREAS WE are the owners 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 10/943,821; (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. WOOLLAM CO. INC., WE BLAINE D. JOHS, JEFFREY S. HALE, JOHN A. WOOLLAM and CRAIG M. HERZINGER 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 WE 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.

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- 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 10/943.821, (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 WE 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, BLAINE D. JOHS, JEFFREY S. HALE JOHN A. WOOLLAM AND CRAIG M. HERZINGER 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.

INVENTOR

WOOLLAM

INVENTOR

INVENTOR AND PRESIDENT OF J.A. WOOLLAM CO. INC.

INVENTOR

My Comm. Exp. Sept. 5, 2007 NOV

RECORDED: 06/14/2005

PATENT REEL: 016688 FRAME: 0524