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To the Honorable Commissioner of 103585254	a stached original documents or copy thereof.		
1. Name of conveying party(los):	2. Name and address of receiving party(les)		
- MARTIN M. LIPHARDT: PING HE: - JAMES D. WELCH	Name: J.A. WOOLLAM CO., INC.		
Astilition name (a) of conveying party (ice) attached? [] Yes [] No	Internal Address:		
a. (lature of conveyance:			
R Assignment D Merger	Street Address: 645 M ST.		
Socurity Agreement Change of Name Other	City: LINCOLN State: NE ZIP: 685		
Execution Date: OCT. 16, 2009	Additional name(s) & publicas(ns) attached? 🗅 Yes 🕤 Ho		
4. Application number(s) or patent number(s):	L		
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)		
12/589,076 Additional numbers at	DEC 3 1 2009		
5. Name and address of party to whom correspondence concoming document should be mailed:	6. Total number of applications and patents involved:		
Namo: JAMES D. WELCH	7. Total fee (37 CFR 3.41)\$ 40.00		
Internal Address:	Enclosed		
<u></u>	Authorized to be charged to deposit account		
Stroot Addross: 10328 PINEHURST AVE.	8, Deposit account numbor:		
City: <u>OMAHA</u> State: <u>NE</u> ZIP: <u>68124</u>	(Attach duplicate copy of this page if paying by deposit account		
DO NOT U	USE THIS BPACE		
	01/04/2010 DBYRNE 00000008 12589076		
9. Statement and signature. To the best of my knowledge and bellef, the foregoing info the original document.	01 FC:8021 wrmation is true and correct and any allached copy is a true		
JAMES D. WELCH	12/27/09		
Name of Person Signing	Bignature (Dotto		
Mail documents to be recorded with Commissioner of Patents &	ith required cover sheet information to: & Trademarks, Box Assignments ton, D.C. 20231		
	PATENT		
	REEL: 023730 FRAME: 0350		

## ASSIGNMENT

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WHEREAS WE, MARTIN M. LIPHARDT, PING HE and JAMES D. WELCH are the inventors of the invention titled "SYSTEM AND METHOD OF APPLYING HORIZONTALLY ORIENTED ARC-LAMPS IN ELLIPSOMETER OR THE LIKE SYSTEMS"; 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 (1)589,076; (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 am, 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 MARTIN M. LIPHARDT, PING HE and JAMES D. WELCH do:

1. Hereby Sell, Assign, Transfer and/or otherwise Set Over Without Reservation and Conditions other than those recited herein, to the Board of Regents of 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

PATENT REEL: 023730 FRAME: 0351 acquire issue of the Patent Application and additional Patents Applications for said Invention, and Improvements thereto, in the United States and in Foreign Countries.

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 12/589,076, (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, MARTIN M. LIPHARDT, PING HE AND JAMES D. WELCH 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

Martin M. LIDHARDET DATE		GENERAL NOTARY BRAN	BRANDY J. POOLE COMMISSION EXPIRES March 17, 2012	
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INVENTOR		A STATE OF	BRANDY J. POOLE	
A.D. L. 10/16/09	Rund ; G Paul	GENERAL NOTARY	MY COMMISSION EXPIRES March 17, 2012	
JAMES D. WELCH / DATE	NOTARY PUBLIC	, ,	DATE	-
INVENTOR		A STREET	BRANDY J. POOLE	
John a Ngolding 10/16/0	9 _ Riandy a Auto	* GENERAL HOTARY *	MY COMMISSION EXPIRES March 17, 2012	
JOHN A. WOOLLAM DATE PRESIDENT OF THE	NOTARY PUBLIC		DATE	

J.A. WOOLLAM CO. INC.

**RECORDED: 12/31/2009**