	12-28-2006	
Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008)	DEPARTMENT OF COMM tates Patent and Trademark	
RECOR	103354480 ICE OF PUPPID RECOR	
PATE	NTS ONLY 2006 PM 2: 2	
To the Director of the U.S. Patent and Trademark Office: P	lease record the attached documents or the new address(es) below	
1. Name of conveying party(ies)	2. Name and address of receiving party(les)	
BLAINE D. JOHS: STEVEN E. GREEN CRAIG M. HERZINGER: DUANE E. MEYER	Name:J.A. WOOLLAM CO., INC.	
Additional name(s) of conveying party(ies) attached? Yes		
3. Nature of conveyance/Execution Date(s): Execution Date(s) 10/31/06	Street Address: <u>645 M ST.</u>	
Assignment Merger		
Security Agreement Change of Name	City:	
Joint Research Agreement	State:NEBRASKA	
Government Interest Assignment	Country: U.S.A. Zip: 68124	
Executive Order 9424, Confirmatory License		
4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes	
11/590,408	B. Patent No.(s)	
Additional numbers	s attached? Yes 🔯 No	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:		
Additional numbers 5. Name and address to whom correspondence	s attached? Yes No 6. Total number of applications and patents involved:	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:	s attached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$_40	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name:JAMES D. WELCH	s attached? Yes No 6. Total number of applications and patents involved:	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: JAMES D. WELCH Internal Address:	s attached? Yes G. Total number of applications and patents involved:	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: JAMES D. WELCH Internal Address:	s attached? Yes Yes No 6. Total number of applications and patents involved:	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name:JAMES D. WELCH Internal Address: Street Address:	s attached? Yes 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 ⁻⁴⁰ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed	
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: JAMES D. WELCH Internal Address: Internal Address: Street Address: 10328 PINEHURST AVE. City: OMAHA	s attached? Yes 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 40 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information a. Credit Card	
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Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: JAMES D. WELCH Internal Address: Internal Address: Street Address: 10328 PINEHURST AVE. City: OMAHA State: NEBRASKA Zip: 68124 Phone Number: 402-391-4448 Fax Number: 402-391-4448	s attached? Yes 6. Total number of applications and patents involved:	
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Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: JAMES D. WELCH Internal Address: Internal Address: Street Address: 10328 PINEHURST AVE. City: OMAHA State: NEBRASKA Zip: 68124 Phone Number: 402-391-4448 Fax Number: JDWSCMOS1@NETZERO.NET 9. Signature: Al D, MMM	s attached? Yes 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40 40 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	

12/27/2006 DBYRNE 00000020 11590408 01 FC:8021 (40.00 DP

PATENT REEL: 018712 FRAME: 0451

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ASSIGNMENT

WHEREAS WE, BLAINE D. JOHS; STEVEN E. GREEN; CRAIG M. HERZINGER; AND DUANE E. MEYER are the Inventors of the invention titled "<u>DEVIATION ANGLE SELF COMPENSATING SUBSTANTIALLY ACHROMATIC</u> RETARDER"; 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 11/590,408; (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 BLAINE D. JOHS; STEVEN E. GREEN; CRAIG M. HERZINGER; AND DUANE E. MEYER 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 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: 018712 FRAME: 0452

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 11/590,408, (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; STEVEN E. GREEN; CRAIG M. HERZINGER; AND DUANE E. MEYER 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.

BEAD A A BLAINE D. JOHS INVENTOR	10-31-06 DATE	$\mathcal{A} \mathcal{C} \mathcal{C} \mathcal{B}$ steven e. green inventor	
NOTARY DEL IN Comm. Exp. Sept	Ebreska 5,2007 DATE	NOTARY PUBLIC	The of Neural 31/06
CRAIG M. HERZINGER INVENTOR	10-31-2004 DATE	DUANE E. MEYER INVENTOR	DATE
NOTARY PUBLIC	DATE	NOTARY DUBLIC	ARY State of Netheska 31/0C J. D. WELCH Dam. Exp. Sept. 5, 2007 DATE
JOHN A. WOOLLAM PRESIDENT OF THE J.A. WOOLLAM	0-31-06 DATE CO. INC.	NOTARY PUBLICAL NOTARY	- State of Nebraska WELCH Exp. Sept. 5, 2007

PATENT REEL: 018712 FRAME: 0453 PROFESSIONAL ENGINEEF

NTELLECTUAL PROPERTY 402-391-4448 10328 PINEHURST AVE. OMAHA, NEBRASKA 68124

December 22, 2006

Mail Stop: Assignments Commissioner for Patents Box: 1450 Alexandria, VA 22313-1450

RE: SUBMITTAL OF ASSIGNMENTS FOR APPLICATIONS, SERIAL NOS.:

11/374,771; 11/284,213; 11/452,483; 11/130,071; 11/447,247; 11/256,891; 11/404,593; 11/257,866; 11/483,888; 11/257,867; 11/103,229; 11/495,130; 11/590,408; 11/452,618; 11/585,301;11/453,656;

11/326,060; 11 11/497,921; 11 11/439,491; 11/393,519; 11/204,924; 11/288,785; 11/408,679; 11/204,835;

11/397,393; 11/284,213;

Dear Sir;

Please find enclosed Assignmetns for the identified Applications, each accompanied by a filled-in Cover Sheet, and a check for \$40.00.

Please provide Notice of REEL/FRAME for each.

xelγ, Ð. WELCH JAMES J₩/hs e/nc.

CERTIFICATE OF MAILING

1 HEREBY CERTIFY THAT THIS TRANSMITTAL IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE FOR FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO THE COMMISSIONER FOR PATENTS, BOX: 1450, ALEXANDRIA VA. 22313-1450 ON THE DATE INDICATED BELOW.

22 106 JAMÉS D. WELCH

RECORDED: 12/26/2006