

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bong H. Cho</td> <td>07/07/2010</td> </tr> <tr> <td>Brian L. Pugh</td> <td>06/09/2010</td> </tr> <tr> <td>Andrew Hooper</td> <td>06/10/2010</td> </tr> </tbody> </table>		Name	Execution Date	Bong H. Cho	07/07/2010	Brian L. Pugh	06/09/2010	Andrew Hooper	06/10/2010
Name	Execution Date								
Bong H. Cho	07/07/2010								
Brian L. Pugh	06/09/2010								
Andrew Hooper	06/10/2010								
<b>RECEIVING PARTY DATA</b>									
Name:	Electro Scientific Industries, Inc.								
Street Address:	13900 NW Science Park Drive								
City:	Portland								
State/Country:	OREGON								
Postal Code:	97229-5497								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12753659</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12753659				
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Application Number:	12753659								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(801)578-6999								
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ATTORNEY DOCKET NUMBER:	50001/222:1								
NAME OF SUBMITTER:	Aaron D. Barker								

Total Attachments: 3  
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**501234108**

**PATENT  
 REEL: 024692 FRAME: 0841**

**OP \$40.00 12753659**

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## ASSIGNMENT

WHEREAS, we, Bong H. Cho, of Beaverton, County of Washington, State of Oregon; Brian L. Pugh, of Beaverton, County of Washington, State of Oregon; and Andrew Hooper, of Beaverton, County of Washington, State of Oregon, have made inventions described in a United States Patent Application No. 12/753,659, filed April 2, 2010, entitled LASER SYSTEMS AND METHODS USING TRIANGULAR-SHAPED TAILORED LASER PULSES FOR SELECTED TARGET CLASSES; assigned Attorney Docket No. 50001/222:1; and

WHEREAS, Electro Scientific Industries, Inc., an Oregon corporation, having a place of business at 13900 NW Science Park Drive, Portland, Oregon 97229-5497, is desirous of acquiring an interest therein:

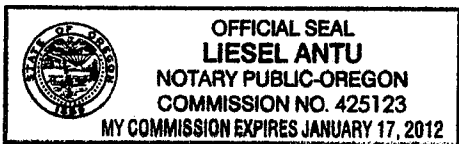
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Bong H. Cho, Brian L. Pugh, and Andrew Hooper, hereby sell, assign, and transfer to Electro Scientific Industries, Inc. the full and exclusive right, title, and interest in and to said inventions, said patent application, and any and all patent rights and letters patent for said inventions in the United States of America and elsewhere throughout the world, including provisional rights, foreign patent priority rights, and the right to apply for patents in foreign countries in our names or in the name of Electro Scientific Industries, Inc., and further including all divisions and continuations of said application and of any foreign patent applications, and all reissues and extensions of patent rights and letters patent for said inventions, all to be held and enjoyed by Electro Scientific Industries, Inc., for its own use and benefit, and by its successors and assigns for their own use and benefit, for the full duration of the terms for which patent rights and letters patent may be granted in this or any foreign country, and covenant that we have full right so to do, and agree that we will communicate to Electro Scientific Industries, Inc., and its successors and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all lawful divisional, continuation, and reissue applications, make all rightful declarations or oaths, and do everything lawfully possible to aid Electro Scientific Industries, Inc., and its successors and assigns, to obtain and enforce proper patent protection for said inventions in the United States of America and elsewhere throughout the world.

Executed at Portland, State of Oregon, this 2th day of July, 2010.

Bong H. Cho  
Bong H. Cho

STATE OF OREGON )  
 ) ss.  
County of Washington )

This 7th day of July, 2010, before me personally came the above-named Bong H. Cho, who acknowledged to me that he executed the foregoing instrument of his own free will.



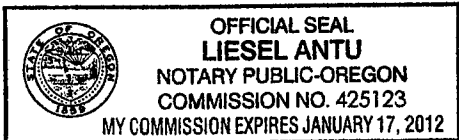
Liesel Antu  
Notary Public for Oregon  
My commission expires: January 17, 2012

Executed at Portland, State of Oregon, this 9th day of June, 2010.

Brian L. Pugh  
Brian L. Pugh

STATE OF OREGON )  
 ) ss.  
County of Washington )

This 9th day of June, 2010, before me personally came the above-named Brian L. Pugh, who acknowledged to me that he executed the foregoing instrument of his own free will.



Liesel Antu  
Notary Public for Oregon  
My commission expires: January 17, 2012

