

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Peter Pirogovsky</td><td>07/07/2009</td></tr><tr><td>Jeffery A Albelo</td><td>07/07/2009</td></tr><tr><td>James O'Brien</td><td>07/07/2009</td></tr><tr><td>Yasu Osako</td><td>07/07/2009</td></tr></tbody></table>		Name	Execution Date	Peter Pirogovsky	07/07/2009	Jeffery A Albelo	07/07/2009	James O'Brien	07/07/2009	Yasu Osako	07/07/2009
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RECEIVING PARTY DATA											
Name:	Electro Scientific Industries, Inc.										
Street Address:	13900 NW Science Park Drive										
Internal Address:	Steve Austin										
City:	Portland										
State/Country:	OREGON										
Postal Code:	97229										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12413068</td></tr></tbody></table>		Property Type	Number	Application Number:	12413068						
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Application Number:	12413068										
CORRESPONDENCE DATA											
Fax Number:	(503)643-4873										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Address Line 4:	Portland, OREGON 97229										
ATTORNEY DOCKET NUMBER:	E107:N1										
NAME OF SUBMITTER:	Liesel Antu										

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PATENT  
REEL: 022921 FRAME: 0327

Total Attachments: 2

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## ASSIGNMENT

WHEREAS Peter Pirogovsky, of Portland, County of Multnomah, State of Oregon, Jeffery A. Albelo, of Portland, County of Multnomah, State of Oregon, James O'Brien, of Bend, County of Deschutes, State of Oregon, and Yasu Osako, of Lake Oswego, County of Clackamas, State of Oregon ("ASSIGNOR"), have made inventions described in a United States patent application entitled METHOD FOR LASER SINGULATION OF CHIP SCALE PACKAGES ON GLASS SUBSTRATES, filed with the United States Patent and Trademark Office on March 27, 2009, and allotted Application No. 12/413,068; and

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

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, hereby sells, assigns, and transfers to ASSIGNEE 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 ASSIGNOR's name or in the name of ASSIGNEE 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 ASSIGNEE 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 ASSIGNOR has full right so to do, and agree that ASSIGNOR will communicate to ASSIGNEE and its successors and assigns, any facts known to ASSIGNOR 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 ASSIGNEE 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 7 day of July, 2009

Peter Pirogovsky

Peter Pirogovsky

Executed at Portland, State of Oregon, this 7<sup>th</sup> day of July, 2009

Jeffery A. Albelo

Jeffery A. Albelo

Executed at Portland, State of Oregon, this 7<sup>th</sup> day of July, 2009

James O'Brien

James O'Brien

Executed at Portland, State of Oregon, this 7<sup>th</sup> day of July, 2009

Yasu Osako

Yasu Osako