

## 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>Jon C. Sandberg</td><td>07/18/2005</td></tr><tr><td>James Tristan Thompson</td><td>08/01/2005</td></tr></tbody></table>	Name	Execution Date	Jon C. Sandberg	07/18/2005	James Tristan Thompson	08/01/2005	
Name	Execution Date						
Jon C. Sandberg	07/18/2005						
James Tristan Thompson	08/01/2005						
RECEIVING PARTY DATA							
Name:	Research Electro-Optics, Inc.						
Street Address:	5505 Airport Blvd.						
City:	Boulder						
State/Country:	COLORADO						
Postal Code:	80301						
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>10885297</td></tr></tbody></table>	Property Type	Number	Application Number:	10885297			
Property Type	Number						
Application Number:	10885297						
CORRESPONDENCE DATA							
Fax Number:	(303)499-8089						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	303-499-8080						
Email:	winner@greenwin.com						
Correspondent Name:	Stephen B. Barone						
Address Line 1:	4875 Pearl East Circle, Suite 200						
Address Line 2:	Greenlee, Winner & Sullivan, P.C.						
Address Line 4:	Boulder, COLORADO 80301						
NAME OF SUBMITTER:	Stephen B. Barone						
Total Attachments: 3 source=145-02 Assignment#page1.tif source=145-02 Assignment#page2.tif source=145-02 Assignment#page3.tif							

CH 10885297 \$40.00

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PATENT  
REEL: 016391 FRAME: 0100

**ASSIGNMENT**

WHEREAS, WE:

1. **Jon C. SANDBERG**, residing at 286 Sanders Circle, Erie, CO 80516, USA; and,
2. **James Tristan THOMPSON**, residing at 6937 Summerset Avenue, Firestone, CO 80504, USA.

(herein called "ASSIGNORS"), are the inventors of the invention entitled:

**"BEAM ARRAY PITCH CONTROLLER";**

for which the following patent application:

Application Type	Application Serial No.	Filing Date
<b>United States Patent Application</b>	10/885,297	<b>July 1, 2004</b>

were submitted or filed (collectively, the "LISTED APPLICATION(S)")

AND WHEREAS, **Research Electro-Optics, Inc.** (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of **Colorado**, having a principal place of business at:

**5505 Airport Blvd.  
Boulder, CO 80301  
USA**

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said LISTED APPLICATION(S);

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and said applications herein, including said LISTED APPLICATION(S) and all continuations and subsequent applications, including divisional applications thereof, and national phase applications as applicable; and all Patents of the United States which may be granted thereon and all reissues and extensions; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of patent application(s) herein, including said LISTED APPLICATION(S) and applications thereof

and therefrom, applications for industrial protection under the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and applications thereof and therefrom; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

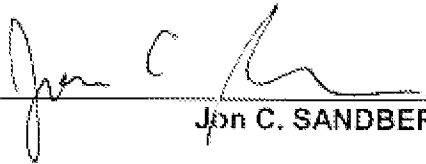
AND WE HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries;

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our signatures.

**Inventor 1**

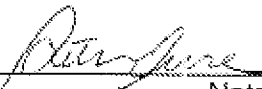
Date: 7/18/05

  
Jon C. SANDBERG

STATE OF COLORADO )  
COUNTY OF Boulder )ss.

BEFORE ME, the undersigned authority, on this 18<sup>th</sup> day of July, ~~2004~~<sup>2005</sup>, personally appeared the above person, known to me to be the person whose name is subscribed to the foregoing instrument and who acknowledged to me that the execution was of free will for the purposes and consideration therein expressed.

Date: 7/18/05

  
Notary Public

My Commission expires: 6/29/09

**Inventor 2**

Date: 8/1/05

  
James Tristan THOMPSON

STATE OF COLORADO )  
COUNTY OF Boulder )ss.

BEFORE ME, the undersigned authority, on this 1<sup>st</sup> day of August, 200~~4~~<sup>5</sup>, personally appeared the above person, known to me to be the person whose name is subscribed to the foregoing instrument and who acknowledged to me that the execution was of free will for the purposes and consideration therein expressed.

Date: 8/1/05

  
Notary Public

My Commission expires: 6/29/09

Additional inventors on additional sheets: NO