

# 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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Cory J. Hill</td> <td>12/16/2009</td> </tr> <tr> <td>David Z. Ting</td> <td>12/16/2009</td> </tr> <tr> <td>Sarath D. Gunapala</td> <td>12/16/2009</td> </tr> </tbody> </table>		Name	Execution Date	Cory J. Hill	12/16/2009	David Z. Ting	12/16/2009	Sarath D. Gunapala	12/16/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>California Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>1200 E. California Boulevard</td> </tr> <tr> <td>City:</td> <td>Pasadena</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>91125</td> </tr> </table>		Name:	California Institute of Technology	Street Address:	1200 E. California Boulevard	City:	Pasadena	State/Country:	CALIFORNIA	Postal Code:	91125
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (909)494-4441</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (626) 292-7743</p> <p>Email: brad@canadylortz.com</p> <p>Correspondent Name: Bradley Lortz</p> <p>Address Line 1: 2540 Huntington Drive</p> <p>Address Line 2: Suite 205</p> <p>Address Line 4: San Marino, CALIFORNIA 91108</p>											
ATTORNEY DOCKET NUMBER:	CALTP018										
NAME OF SUBMITTER:	Bradley K. Lortz										
<p>Total Attachments: 3</p> <p>source=CIT-5280-CALTP018_AssigRec#page1.tif</p>											

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**PATENT**  
**REEL: 023678 FRAME: 0094**



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## ASSIGNMENT

WHEREAS, Cory J. Hill, David Z. Ting, and Sarath D. Gunapala (hereinafter "Assignor(s)"), made certain new and useful inventions and improvements which are entitled **DIGITAL ALLOY ABSORBER FOR PHOTODETECTORS** (CIT-5280/CALTP018) and which are disclosed in:

☐ U.S. Application filed on same date herewith and listing the above named person(s) as inventor(s);

☒ U.S. Application Serial No. 12/639,913, filed on December 16, 2009

AND WHEREAS, California Institute of Technology, a non-profit corporation having a place of business at 1200 E. California Boulevard, Pasadena California 91125 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Assignor(s) have sold, assigned, and transferred unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application including, but not limited to, the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and do hereby authorize and request the Commissioner for Patents to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

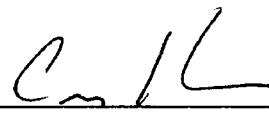
AND, for the consideration aforesaid, Assignor(s) do hereby agree that they and their executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to Assignor(s) relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and



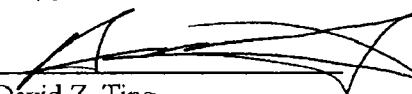
to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore Assignor(s) covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor(s) and that full right to convey the same as herein expressed is possessed by Assignor(s). An attorney of record is authorized and requested by the execution of this assignment to further identify the application above in this assignment, either by indicating that the application is filed on same date herewith or by indicating and inserting into this assignment the filing date and serial number of said application when officially known.

Date: Dec 16, 2009

Signature:   
Name: Cory J. Hill

Date: Dec 16, 2009

Signature:   
Name: David Z. Ting

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name: Sarath D. Gunapala



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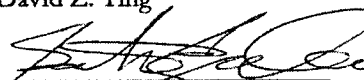
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Name: Cory J. Hill

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Name: David Z. Ting

Date: Dec. 16, 2009

Signature:   
Name: Sarath D. Guhapala