

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<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>David Z Ting</td> <td>07/15/2009</td> </tr> <tr> <td>Sumith V Bandara</td> <td>07/15/2009</td> </tr> <tr> <td>Cory J Hill</td> <td>07/15/2009</td> </tr> <tr> <td>Sarath D Gunapala</td> <td>07/15/2009</td> </tr> </tbody> </table>		Name	Execution Date	David Z Ting	07/15/2009	Sumith V Bandara	07/15/2009	Cory J Hill	07/15/2009	Sarath D Gunapala	07/15/2009		
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CORRESPONDENCE DATA													
<p>Fax Number: (612)332-8352 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 1-408-715-7168 Email: sdehnel@cpaglobal.com</p> <p>Correspondent Name: Seth Kalson Address Line 1: C/O CPA Global Address Line 2: P.O. Box 52050 Address Line 4: Minneapolis, MINNESOTA 55402</p>													
ATTORNEY DOCKET NUMBER:	CIT.5175US1												
NAME OF SUBMITTER:	Sara Dehnel												

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ASSIGNMENT

WHEREAS, We, David Z. Ting, residing at 1766 Oranewood Lane, Arcadia, CA 91006, and Sumith V. Bandara, residing at 9154 Bloom Court, Burke, VA 22015, and Cory J. Hill, residing at 252 S. Marengo Avenue, Pasadena, CA 91101, and Sarath D. Gunapala, residing at 25713 N. Wallace Pl., Stevenson Ranch, CA 91381, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled COMPLEMENTARY BARRIER INFRARED DETECTOR (CBIRD);

WHEREAS, We hereby authorize and request our attorneys, as listed on the Combined Declaration and Power of Attorney, at Seth Kalson, to insert here in parentheses (Ser. No. 12/501,167 ; Filing Date: July 10, 2009) the filing date and application number of said application when known.

AND WHEREAS, California Institute of Technology, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 1200 E. California Blvd., MC 210-85, Pasadena, CA 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 therefore;

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, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer 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, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, 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 said 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 there from; and we do hereby authorize and request the Commissioner of

Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our 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 us 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 said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

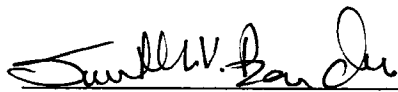
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of July, 2009.



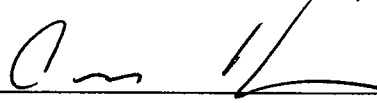
David Z. Ting

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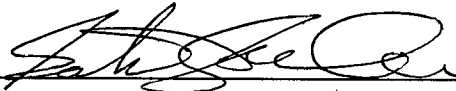
Sumith V. Bandara

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of July, 2009.



Cory J. Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of July, 2009.



Sarath D. Gunapala