

# PATENT ASSIGNMENT

Electronic Version v1.1

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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>John L. Vampola</td> <td>10/28/2009</td> </tr> <tr> <td>Sean P. Kilcoyne</td> <td>10/27/2009</td> </tr> <tr> <td>Robert E. Mills</td> <td>10/27/2009</td> </tr> <tr> <td>Kenton T. Veeder</td> <td>10/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	John L. Vampola	10/28/2009	Sean P. Kilcoyne	10/27/2009	Robert E. Mills	10/27/2009	Kenton T. Veeder	10/28/2009
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Raytheon Company</td> </tr> <tr> <td>Street Address:</td> <td>870 Winter Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451-1449</td> </tr> </table>		Name:	Raytheon Company	Street Address:	870 Winter Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451-1449
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<b>PROPERTY NUMBERS Total: 1</b>											
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Application Number:	12611388										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (214)953-4559</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 214-953-6500</p> <p>Email: darla.rupert@bakerbotts.com</p> <p>Correspondent Name: BAKER BOTTS LLP</p> <p>Address Line 1: 2001 ROSS AVENUE</p> <p>Address Line 2: 6TH FLOOR</p> <p>Address Line 4: DALLAS, TEXAS 75201-2980</p>											
ATTORNEY DOCKET NUMBER:	075896.0112										
NAME OF SUBMITTER:	Darla Rupert										
Total Attachments: 5											

CH \$40.00 12611388

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**PATENT**  
**REEL: 023462 FRAME: 0555**

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**ASSIGNMENT**

WHEREAS, I, one of the undersigned joint inventors, of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Raytheon Company (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 870 Winter Street, Waltham, Massachusetts 02451-1449, desires to acquire our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

ATTORNEY DOCKET NO.  
075896.0112

PATENT ASSIGNMENT

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Title of the invention:

**High Quantum Efficiency Optical Detectors**

Full name of joint inventor

John L. Vampola

Inventor's signature



Residence (City, County, State)

Santa Barbara, Santa Barbara County, California

Date Assignment executed:

10/28/2009

Date Application (Declaration) executed:

10/28/2009

DAL01:1043307

PATENT  
REEL: 023462 FRAME: 0558

ATTORNEY DOCKET NO.  
075896.0112

PATENT ASSIGNMENT

3

Title of the invention:

**High Quantum Efficiency Optical Detectors**

Full name of joint inventor

Sean P. Kilcoyne

Inventor's signature

Sean P. Kilcoyne

Residence (City, County, State)

Lompoc, Santa Barbara County, California

Date Assignment executed:

Oct 27, 2009

Date Application (Declaration) executed:

Oct 27, 2009

DAL01:1043307

ATTORNEY DOCKET NO.  
075896.0112

PATENT ASSIGNMENT

4

Title of the invention:

**High Quantum Efficiency Optical Detectors**

Full name of joint inventor

Robert E. Mills

Inventor's signature

Robert E. Mills

Residence (City, County, State)

Goleta, Santa Barbara County, California

Date Assignment executed:

Oct. 27, 2009

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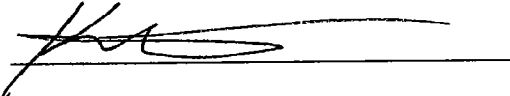
Title of the invention:

**High Quantum Efficiency Optical Detectors**

Full name of joint inventor

Kenton T. Veeder

Inventor's signature



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Santa Barbara, Santa Barbara County, California

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