

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3871720

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DARRELL L. YOUNG	05/12/2016
CHARLOTTE DEKEYREL	05/11/2016
MICHAEL HENRY LEWIS	05/12/2016
RECEIVING PARTY DATA	
Name:	RAYTHEON COMPANY
Street Address:	870 WINTER STREET
City:	WALTHAM
State/Country:	MASSACHUSETTS
Postal Code:	02451
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15153789
CORRESPONDENCE DATA	
Fax Number:	(617)395-7070
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(617) 395-7013
Email:	NTHPatents@LALaw.com
Correspondent Name:	LANDO & ANASTASI, LLP
Address Line 1:	RIVERFRONT OFFICE PARK
Address Line 2:	ONE MAIN STREET, SUITE 1100
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02142
ATTORNEY DOCKET NUMBER:	R2065-701510(15-6937)
NAME OF SUBMITTER:	NATHAN T. HARRIS
SIGNATURE:	/Nathan T. Harris/
DATE SIGNED:	05/13/2016
Total Attachments: 5	
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CONFIRMATORY ASSIGNMENT

We, the undersigned, Darrell L. Young of Falls Church, VA; Michael Henry Lewis of Leesburg, VA; and Charlotte Dekeyrel of Leesburg, VA ("Assignor(s)"), have made certain inventions or discoveries (or both) set forth in a patent application entitled *APPARATUS AND PROCESSES FOR PHOTOSYNTHETIC ACTIVITY MEASUREMENT AND MAPPING*, identified as *Attorney Docket No. R2065-701510(15-6937)*, which application was filed on May 13, 2016 and assigned Application No. 15/153,789.

RAYTHEON COMPANY is a Delaware Corporation having a place of business at 870 Winter Street, Waltham, MA 02451-1449, and which, together with its successors and assigns ("**Assignee**"), is desirous of acquiring the title, rights, benefits and privileges hereinafter recited.

For valuable consideration furnished by Assignee to Assignor(s), receipt and sufficiency of which Assignor(s) hereby acknowledge, Assignor(s) hereby, without reservation:

1. Confirm that we have assigned, transferred and conveyed to Assignee and do hereby assign, transfer, and convey the entire right, title and interest in and to said inventions, discoveries, and improvements, said application, any and all other patent applications (including without limitation utility models, provisionals, designs, plants and any other such intellectual property) on said inventions, discoveries, and improvements in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and convention applications based in whole or in part upon said inventions, discoveries, and improvements, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions, discoveries, and improvements, or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said improvements, said applications and said Letters Patent and any provisional applications from which priority is claimed in said patent applications and said Letters Patent and all rights to claim or sue for prior damages;

2. Authorize Assignee to file said patent applications in any or all countries on any or all of said inventions and discoveries in the name of Assignor(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under any international conventions, international treaties, or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Confirm that Assignor(s) have not knowingly conveyed to parties or entities other than the Assignee any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and

5. Bind heirs, legal representatives and assigns of Assignor(s), as well as Assignor(s), to do, upon Assignee's request, all acts reasonable to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by Assignor(s) or heirs, legal representatives and assigns of Assignor(s) if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor(s) relating to said inventions and discoveries or the history thereof; and to furnish Assignee, upon request, with any and all relevant documents, photographs, models, samples and other physical exhibits in control of Assignor(s) or in the control of heirs, legal representatives or assigns of Assignor(s).

Assignor(s) accept the terms of this Assignment as indicated by their signature below.

[Signatures on following pages]

PATENT ASSIGNMENT
Attorney Docket No. R2065-701510(15-6937)

Accepted by:

Dated: May 12 2016

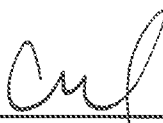
Darrell L. Young
Darrell L. Young

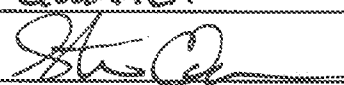

Witnessed before us this <u>12</u> day of <u>MAY</u> , 2016:
Printed Name: <u>Gary W. Speck</u>
First Witness Signature: <u>Gary W. Speck</u>
Printed Name: _____
Second Witness Signature: _____

PATENT ASSIGNMENT
Attorney Docket No. R2065-701510(15-6937)

Accepted by:

Dated: 5/11/16



Charlotte Dekeyrel

Witnessed before us this <u>11</u> day of <u>MAY</u> , 2016:
Printed Name: <u>Steve Quanner</u>
First Witness Signature: <u></u>
Printed Name: <u>Eric Wu</u>
Second Witness Signature: <u></u>

PATENT ASSIGNMENT
Attorney Docket No. R2065-701510(15-6937)


Accepted by:

Dated: May 12, 2016


Michael Henry Lewis

Witnessed before us this 12 day of May, 2016:

Printed Name: Joseph Yavulla

First Witness Signature: 

Printed Name: Kim Lujan

Second Witness Signature: 