

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH SHOER	02/08/2019
LEENA SINGH	02/14/2018
SUNGYUNG LIM	02/06/2018
TIMOTHY HENDERSON	03/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE CHARLES STARK DRAPER LABORATORY, INC.
<b>Street Address:</b>	555 TECHNOLOGY SQUARE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15360545
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	(617) 395-7088
<b>Email:</b>	RLLPatents@LALaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	RIVERFRONT OFFICE PARK
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<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02142
<b>ATTORNEY DOCKET NUMBER:</b>	D2050-706610
<b>NAME OF SUBMITTER:</b>	ROBERT L. LICHTER
<b>SIGNATURE:</b>	/Robert L. Lichter/
<b>DATE SIGNED:</b>	02/15/2019
<b>Total Attachments: 6</b>	
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**ASSIGNMENT**

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, We, the undersigned **Joseph Shoer** of 75 Richdale Avenue, Suite 6, Cambridge, Massachusetts 02140; **Leena Singh** of 69 Bertwell Road, Lexington, Massachusetts 02420; **Sungyung Lim** of 537 Acorn Park Drive, Acton, Massachusetts 01720; and **Timothy Henderson** of 25 Woodridge Lane, Ashland, Massachusetts 01721-1119, respectively, hereby:

Sell, assign and transfer to **THE CHARLES STARK DRAPER LABORATORY, INC.**, a Massachusetts corporation having a place of business at 555 Technology Square, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as said Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in an application for Letters Patent filed in the United States Patent and Trademark Office on:

November 23, 2016

ENTER FILING DATE ABOVE

under Application Serial No. 15/360,545 and

Entitled **CONICAL SCANNING PROCESS FOR SPACECRAFT SUN POINTING**.

and in and to said application and all continuing, divisional, continuation-in-part, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said any and all inventions, including a provisional application filed on **November 24, 2015** under Application Serial No. **62/259,329** and entitled **CONICAL SCANNING ALGORITHM FOR SPACECRAFT SUN POINTING**; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said any and all inventions including the right to apply for patent rights in each foreign country and all rights to priority; and further including any right to sue for past infringement;

Appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

Agree that said Assignee may apply for and receive Letters Patent for said any and all inventions in its own name; and when requested, without charge to but at the expense of said Assignee, We agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said any and all inventions, by executing all rightful oaths, assignments, powers of attorney and other

papers, by communicating to said Assignee all facts known to relating to said any and all inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said any and all inventions and for vesting title to said any and all inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Said Assignee does hereby acknowledge and accept the above sale, assignment and transfer of all the rights, title and interest enumerated above, including but not limited to the right to priority and the right to sue for past infringement.

By: **THE CHARLES STARK DRAPER  
LABORATORY, INC.**

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Signor

\_\_\_\_\_  
Title/Authority of Signor

8 Feb 19

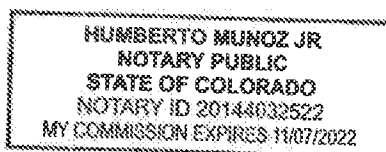
Date

Joseph Shoer

STATE OF ColoradoCOUNTY OF Denver

On this 8<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Joseph Shoer (name of document signer), proved to me through satisfactory evidence of identification, which were Denver License, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

(SEAL)

Printed name of Notary: Humberto Munoz JrMy commission expires: 11-7-2022

Feb. 14, 2018  
Date

Leena Singh  
Leena Singh

STATE OF Massachusetts;  
COUNTY OF Middlesex;

On this 14 day of February, 2018, before me, the undersigned notary public, personally appeared Leena Singh (name of document signer), proved to me through satisfactory evidence of identification, which were work badge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



Taylor N. Kindle  
Printed name of Notary: Taylor Kindle

My commission expires: May 31, 2024

Date

2/6/2018

Sungyung Lim

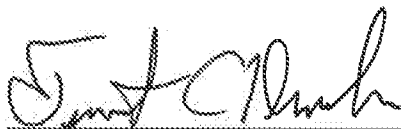
Sungyung LimSTATE OF Massachusetts  
COUNTY OF Middlesex

On this 6 day of February, 2018, before me, the undersigned notary public, personally appeared Sungyung Lim (name of document signer), proved to me through satisfactory evidence of identification, which were work badge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

(SEAL)

Printed name of Notary: Taylor N. KindleMy commission expires: May 31, 2024

Date

3/1/18Timothy HendersonSTATE OF Massachusetts  
COUNTY OF Middlesex

On this 1 day of March, 2018, before me, the undersigned notary public, personally appeared Timothy Henderson (name of document signer), proved to me through satisfactory evidence of identification, which were work badge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

(SEAL)

Printed name of Notary: Taylor N KindtMy commission expires: May 31, 2024