

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3901396

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JUHA-PEKKA LAINE	06/24/2013
GREGORY P. BLASCHE	09/05/2013
MR. MURALI V. CHAPARALA	07/03/2013
ROBIN DAWSON	08/03/2013
BENJAMIN LANE	06/23/2013
STEPHEN P. SMITH	08/15/2013
ERIK WALDRON	09/05/2013
<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>	15172481
<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) 395-7077
<b>Email:</b>	DSAPatents@LALaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	RIVERFRONT OFFICE PARK
<b>Address Line 2:</b>	ONE MAIN STREET, SUITE 1100
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02142
<b>ATTORNEY DOCKET NUMBER:</b>	D2050-702221
<b>NAME OF SUBMITTER:</b>	DAVID S. ANDREASEN
<b>SIGNATURE:</b>	/David S. Andreasen/
<b>DATE SIGNED:</b>	06/03/2016

PATENT

**Total Attachments: 10**

source=D2055-702221 Executed Assignment and Declaration from Parent#page1.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page2.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page3.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page4.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page5.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page6.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page7.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page8.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page9.tif  
source=D2055-702221 Executed Assignment and Declaration from Parent#page10.tif

**ASSIGNMENT and DECLARATION**

We, the undersigned, **Juha-Pekka Laine** of **Boston, MA**; **Gregory P. Blasche** of **Burlington, MA**; **Robin Dawson** of **Watertown, MA**; **Benjamin Lane** of **Grafton, MA**; **Stephen P. Smith** of **Acton, MA**; **Erik Waldron** of **Concord, MA**; **Murali V. Chaparala** of **Newton, MA**, ("**Assignor(s)**"), have made certain inventions or discoveries (or both) set forth in a patent application entitled, *CHIP-SCALE STAR TRACKER*, identified as *Attorney Docket No. D2050-702219*, which application was filed on June 28, 2013 and assigned Application No. 13/930,032. In the event that the execution date, filing date and/or Application No. are not entered or are incorrect at the time Assignor(s) executed this document, Assignor(s) hereby authorize and request an attorney of Assignee to insert the information or make the correction.

THE CHARLES STARK DRAPER LABORATORY, INC. is a Nonprofit Corporation of Massachusetts having a place of business at 555 Technology Square, Cambridge, MA 02139, 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. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, 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 and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, 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;

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

4. Confirm that Assignor(s) have not knowingly conveyed to others 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.

Further, each Assignor individually, as a named inventor, hereby declares:

- a) The above-identified application was made or authorized to be made by me;
- b) I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application; and
- c) I hereby acknowledge that any willful false statement made in this declaration is punishable under § 1001 of Title 18 of the United States Code by fine or imprisonment of not more than five (5) years, or both.

Each Assignor individually, as a named inventor, also states:

I have reviewed and understand the contents of the above-identified application.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to the patentability of the above-identified application.

*[Signatures on following pages]*

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

Accepted by:

Dated: 6-24-13

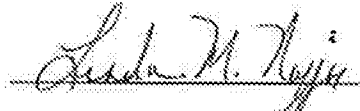
  
\_\_\_\_\_  
Juha-Pekka Laine

Witnessed by:

Dated: 6/24/13

  
\_\_\_\_\_  
Michelle R. Keenan

Dated: 6/24/13

  
\_\_\_\_\_  
Uada M. Najjar

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

Accepted by:

Dated: 9/5/13

[Signature]  
Gregory P. Blasche

Witnessed by:

Dated: 9/5/13

[Signature]  
Michelle R. Kears

Dated: 9/5/13

[Signature]  
Linda Najjar

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

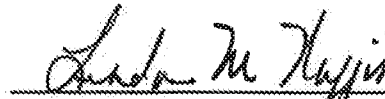
Accepted by:

Dated: 8/2/13

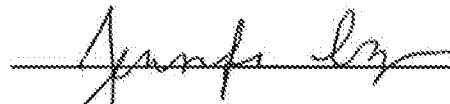
  
\_\_\_\_\_  
Robin Dawson

Witnessed by:

Dated: 8/2/13

  
\_\_\_\_\_  
Linda Najjar

Dated: 8/2/13

  
\_\_\_\_\_  
Jennifer Izzo

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

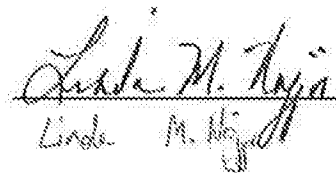
Accepted by:

Dated: 6/25/13

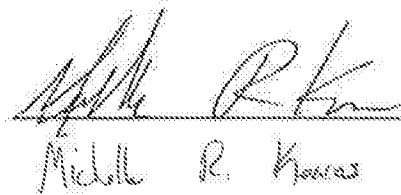
  
Benjamin Lane

Witnessed by:

Dated: 6/25/13

  
Linda M. Hiji

Dated: 6/25/13


  
Melvin R. Kanas



PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219


Accepted by:

Dated: 8/15/13

  
Stephen P. Smith

Witnessed by:

Dated: 8/15/13

  
\_\_\_\_\_


Dated: 8/15/13

  
\_\_\_\_\_

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

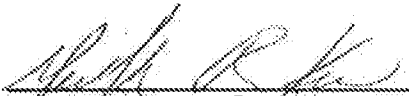
Accepted by:

Dated: 9/5/13

  
Erik Waldron

Witnessed by:

Dated: 9/5/13

  
Michael R Harris


Dated: \_\_\_\_\_

\_\_\_\_\_

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

Accepted by:

Dated: 7/3/2013

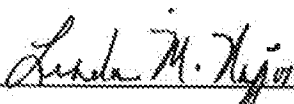
  
Murali V. Chaparala

Witnessed by:

Dated: 7/3/2013

  
Michelle R. Kearns

Dated: 7/3/2013

  
Linda M. Najjar

PATENT ASSIGNMENT and DECLARATION  
Attorney Docket No. D2050-702219

Accepted by:

The Charles Stark Draper Laboratory, Inc.

8/12/13  
Date

Melinda J Brown  
Signature

Melinda J Brown  
Printed Name of Signor

General Counsel  
Title/Authority of Signor

Witnessed by:

Dated: 8/12/13

Linda Hujis

Dated: 8/12/13

[Signature]