

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6511164

<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 J. LAINE	01/05/2021
GREGORY P. BLASCHE	01/05/2021
MATTHEW T. JAMULA	01/05/2021
PAUL A. BOHN	01/07/2021
ROBIN MARK ADRIAN DAWSON	01/05/2021
BENJAMIN F. LANE	01/05/2021
ERIC T. HOKE	01/05/2021
DANIEL M. MEISER	01/05/2021
JOSEPH M. KINAST	01/06/2021
STEPHEN P. SMITH	01/07/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE CHARLES STARK DRAPER LABORATORY, INC.
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<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>	16020563
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)443-0004
<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>	
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<b>NAME OF SUBMITTER:</b>	ARNE HANS

PATENT

<b>SIGNATURE:</b>	/Arne Hans, #72,846/
<b>DATE SIGNED:</b>	01/22/2021
<b>Total Attachments: 4</b> source=ram3898_1157_Assignment01222021#page1.tif source=ram3898_1157_Assignment01222021#page2.tif source=ram3898_1157_Assignment01222021#page3.tif source=ram3898_1157_Assignment01222021#page4.tif	

ASSIGNMENT

ASSIGNORS:                   **Juha-Pekka J. Laine**  
                                  **Gregory P. Blasche**  
                                  **Matthew T. Jamula**  
                                  **Paul A. Bohn**  
                                  **Robin Mark Adrian Dawson**  
                                  **Benjamin F. Lane**  
                                  **Eric T. Hoke**  
                                  **Daniel M. Meiser**  
                                  **Joseph M. Kinast**  
                                  **Stephen P. Smith**

ASSIGNEE:                   The Charles Stark Draper Laboratory, Inc.  
                                  555 Technology Square  
                                  Cambridge, MA 02139

STATE OF  
INCORPORATION OF  
ASSIGNEE:                   Massachusetts

TITLE:                      Star Tracker-Aided Airborne or Spacecraft Terrestrial Landmark  
                                  Navigation System

ATTORNEY DOCKET:       3898/1157

DRAPER REF. NO.:         CSDL.2461.US.01

APPLICATION NO.:        16/020,563

FILING DATE:             June 27, 2018

Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and application number as indicated above, or if no filing date and application number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications; and Assignee accepts that assignment.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues, extensions, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

Each Assignor hereby authorizes and requests Sunstein LLP to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation.

Each Assignor and Assignee agree that this instrument may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which together shall constitute one and the same agreement; and that an original signature or a copy thereof transmitted by facsimile or by PDF shall constitute an original signature for purposes of this instrument.


\* \* \* \* \*

[Signature pages follow]

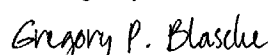
IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below opposite such Assignor's signature.

ASSIGNORS

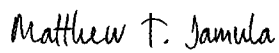
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**Juha-Pekka J. Laine**, Assignor


Date: 01/05/2021 | 10:39 AM EST

DocuSigned by:  
  
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**Gregory P. Blasche**, Assignor


Date: 01/05/2021 | 4:14 PM EST

DocuSigned by:  
  
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**Matthew T. Jamula**, Assignor

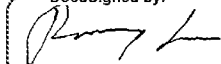
Date: 01/07/2021 | 6:27 PM EST

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**Paul A. Bohn**, Assignor

Date: 01/05/2021 | 12:08 PM EST

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**Robin Mark Adrian Dawson**, Assignor

Date: 01/05/2021 | 12:30 PM EST

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**Benjamin F. Lane**, Assignor

Date: 01/05/2021 | 10:17 AM EST

DocuSigned by:  
  
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**Eric T. Hoke**, Assignor

Date: 01/05/2021 | 2:26 PM EST

DocuSigned by:

Daniel M. Meiser

Daniel M. Meiser, Assignor

Date: 01/06/2021 | 7:09 AM EST

DocuSigned by:

Joseph M Kinast

Joseph M. Kinast, Assignor

Date: 01/07/2021 | 7:03 AM EST

DocuSigned by:

Stephen P. Smith

Stephen P. Smith, Assignor