

# PATENT ASSIGNMENT

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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>
Robin M.A. Dawson	07/29/2011
<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: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12895004
<b>Application Number:</b>	12895016
<b>Application Number:</b>	12895033
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<b>ATTORNEY DOCKET NUMBER:</b>	DPL-143A-C
<b>NAME OF SUBMITTER:</b>	Kenneth E. Radcliffe
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**PATENT**  
**REEL: 026674 FRAME: 0133**

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made by Robin M.A. Dawson (hereinafter referred to as Assignor), residing at 34 Concord Road, Watertown, Massachusetts 02472;

**WHEREAS**, Assignor, along with Benjamin F. Lane, Yaron Rachlin, Juha-Pekka J. Laine, and Christopher C. Yu, has invented certain new and useful improvements in the following patent applications:

Application No.	Filing Date	Title	Attorney Docket No.
12/895,004	September 30, 2010	Attitude Estimation With Compressive Sampling Of Starfield Data	DPL-143A
12/895,016	September 30, 2010	Attitude Estimation By Reducing Noise With Dragback	DPL-143B
12/895,033	September 30, 2010	Attitude Estimation In Compressed Domain	DPL-143C

**WHEREAS**, The Charles Stark Draper Laboratory, Inc., a Corporation organized under and pursuant to the laws of Massachusetts having its principal place of business at 555 Technology Square, Cambridge, Massachusetts 02139-3563 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Applications for Letters Patents of the United States, and in and to any Letters Patents of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and applications for Letters Patents, and in and to any and all direct and indirect divisions, continuations and continuations-in-parts of said applications, and any and all Letters Patents in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patents may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and applications for Letters Patents above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patents and applications for Letters Patents for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent applications for Letters Patents, or any proceeding in connection with any Letters Patents or applications for Letters Patents for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any applications for Letters Patents, or any reissue, reexamination or extension of any Letters Patents, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patents of the United States to Assignee, as Assignee of said inventions and the Letters Patents to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

GOODWIN PROCTER LLP

All practitioners at Customer Number 051414

**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

*Robin M.A. Dawson*  
Robin M.A. Dawson

Date: July 29, 2011

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 29<sup>th</sup> day of July, 2011, before me  
personally came Robin M.A. Dawson, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

*Linda M. Najjar*  
Notary Public

