

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4450449

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DANIEL J. STURTEVANT	03/02/2017
CARLISS BALDWIN	04/24/2017
ALAN MACCORMACK	04/14/2017
SUNNY AHN	03/02/2017
SEAN GILLILAND	03/16/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SILVERTHREAD, INC.
<b>Street Address:</b>	101 MAIN STREET, 14TH FLOOR
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15436462
<b>PCT Number:</b>	US1718477
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)832-7000
<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>	617-832-1268
<b>Email:</b>	dmahoney@foleyhoag.com
<b>Correspondent Name:</b>	RAJESH VALLABH
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<b>Address Line 2:</b>	FOLEY HOAG, LLP
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210-2600
<b>ATTORNEY DOCKET NUMBER:</b>	SZJ-00201 AND 225
<b>NAME OF SUBMITTER:</b>	DENISE M. MAHONEY
<b>SIGNATURE:</b>	/Denise M. Mahoney/
<b>DATE SIGNED:</b>	06/08/2017

**Total Attachments: 4**

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**ASSIGNMENT**

WHEREAS we, Daniel J. Sturtevant; Carliss Baldwin; Alan MacComack; Sunny Ahn and Sean Gilliland, have made certain inventions or discoveries (or both) set forth in the following application for Letters Patent:

U.S. Patent Application Serial Number 15/436,462, which was filed on February 17, 2017, entitled COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MEASURING, ESTIMATING, AND MANAGING ECONOMIC OUTCOMES AND TECHNICAL DEBT IN SOFTWARE SYSTEMS AND PROJECTS; and

PCT/US2017/018477, which was filed on February 17, 2017, entitled COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MEASURING, ESTIMATING, AND MANAGING ECONOMIC OUTCOMES AND TECHNICAL DEBT IN SOFTWARE SYSTEMS AND PROJECTS; and

WHEREAS Silverthread, Inc., a Delaware corporation, whose address is 101 Main Street, 14th floor, Cambridge, Massachusetts 02142, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;


NOW, THEREFORE, for valuable consideration furnished by Assignee to us, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to (a) said inventions and discoveries, (b) know-how associated with said inventions and discoveries, (c) said application for Letters Patent, (d) any and all other applications for Letters Patent setting forth said inventions and discoveries based in whole or in part upon said application, including all provisional, nonprovisional, divisional, renewal, substitute, continuation, continuation-in-part, reissue, Convention applications, International applications, national stages, regional stages, reexaminations, and extensions of Letters Patent, (e) any Letters Patent issuing from any such applications and the right to sue for past infringement thereof and for provisional rights under 35 U.S.C. § 154(d) thereof, and (f) every priority right that is or may be predicated upon or arise from any such application or any such Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or otherwise;
3. Authorize and request the Director of the United States Patent and Trademark Office and equivalent authorities in all other patent offices worldwide 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. Warrant that we have not knowingly conveyed to others any right in said applications or Letters Patent or any license to said applications or Letters Patent, and that we have good right to assign the same to Assignee without encumbrance;


5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, declarations, 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 us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY OF WHICH we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

3/2/2017  
Date

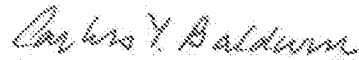
  
Daniel J. Sturtevant, Inventor

3/2/2017  
Date

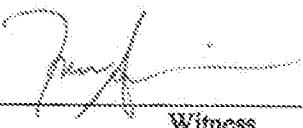
  
Witness

NATALIA HOCAN  
Witness's Printed Name

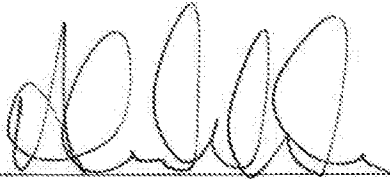
4/24/17  
Date


  
Carliss Baldwin, Inventor

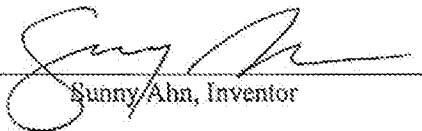
4/24/17  
Date


  
Witness

Tarsh Askari  
Witness's Printed Name


April 14<sup>th</sup> 2017   
Date Alan MacComack, Inventor

4/14/17   
Date Witness  
JOHN FLANAGAN  
Witness's Printed Name

March 2, 2017   
Date Sunny Ahn, Inventor

3/2/2017   
Date Witness  
Corey Fette  
Witness's Printed Name

3/16/2017   
Date Sean Gilliland, Inventor

3/16/2017   
Date Witness  
Angelia Gilliland  
Witness's Printed Name

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of Silverthread, Inc.,

By: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_