

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6124286

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the PROVISIONAL APPLICATION NUMBER previously recorded on Reel 050957 Frame 0290. Assignor(s) hereby confirms the ASSIGNMENT.	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GREENTHREAD, LLC	08/09/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	VERVAIN, LLC	
<b>Street Address:</b>	7424 MASON DELLS DRIVE	
<b>City:</b>	DALLAS	
<b>State/Country:</b>	TEXAS	
<b>Postal Code:</b>	75230	
<b>PROPERTY NUMBERS Total: 5</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	61509257	
<b>Patent Number:</b>	8891298	
<b>Patent Number:</b>	9196385	
<b>Patent Number:</b>	9997240	
<b>Application Number:</b>	16006299	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>	972-726-9500	
<b>Email:</b>	PATENTS@NAIFEH.COM	
<b>Correspondent Name:</b>	BILL R. NAIFEH	
<b>Address Line 1:</b>	P.O. BOX 803423	
<b>Address Line 4:</b>	DALLAS, TEXAS 75380	
<b>NAME OF SUBMITTER:</b>	BILL R. NAIFEH	
<b>SIGNATURE:</b>	/Bill R. Naifeh/	
<b>DATE SIGNED:</b>	05/27/2020	
<b>Total Attachments: 4</b>		
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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GREENTHREAD, LLC	08/09/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VERVAIN, LLC
<b>Street Address:</b>	7424 MASON DELLS DRIVE
<b>City:</b>	DALLAS
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75230
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61509256
<b>Patent Number:</b>	8891298
<b>Patent Number:</b>	9196385
<b>Patent Number:</b>	9997240
<b>Application Number:</b>	16006299
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<b>Phone:</b>	972-726-9500
<b>Email:</b>	patents@naifeh.com
<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>Correspondent Name:</b>	BILL R. NAIFEH
<b>Address Line 1:</b>	15303 DALLAS PARKWAY
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	ADDISON, TEXAS 75001
<b>NAME OF SUBMITTER:</b>	BILL R. NAIFEH
<b>Signature:</b>	/Bill R. Naifeh/
<b>Date:</b>	11/08/2019

**PATENT****REEL: 052766 FRAME: 0803**

**Total Attachments: 2**

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**RECEIPT INFORMATION****EPAS ID:** PAT5811077**Receipt Date:** 11/08/2019**PATENT****REEL: 052766 FRAME: 0804**

<b>ASSIGNOR</b> Greenthread, LLC Philip W. John, Jr. Manager 6307 Bandera Ave, Apt B Dallas, Texas 75225-3617 Email: <a href="mailto:john@greenthreadllc.com">john@greenthreadllc.com</a>	<b>ASSIGNEE</b> Vervain, LLC Philip W. John, Jr., Member 7424 Mason Dells Drive Dallas, Texas 75230-3244 Email: <a href="mailto:john@vervainllc.com">john@vervainllc.com</a>
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## ASSIGNMENT AGREEMENT

This Assignment Agreement ("Assignment") is entered into by and between Vervain, LLC, a Texas limited liability company, hereinafter referred to as "Assignee," and Greenthread, LLC, a Texas limited liability company, hereinafter referred to as "Assignor," and shall become effective upon being duly signed by the authorized representative of Assignor ("Effective Date").

### RECITALS:

Assignor and Assignee are entering into a Patent Assignment Agreement (the "Agreement").

Pursuant to the Agreement, Assignor hereby desires to assign to Assignee all of its rights, title and interest in and to the following United States patents and pending application:

1. U.S. Provisional Application Number ~~61/509,256~~ <sup>61/509,257</sup>, entitled, "Lifetime Mixed Level Nand Flash System," filed on July 19, 2011;
2. U.S. Patent Number 8,891,298, entitled, "Lifetime Mixed Level Non-Volatile Memory System," filed on April 25, 2012, and issued on November 18, 2014;
3. U.S. Patent Number 9,196,385, entitled, "Lifetime Mixed Level Non-Volatile Memory System," filed on October 28, 2014, and issued on November 24, 2015;
4. U.S. Patent Number 9,997,240, entitled, "Lifetime Mixed Level Non-Volatile Memory System," filed on November 24, 2015, and issued on June 12, 2018, and
5. U.S. Patent Application Number 16/006,299, entitled, "Lifetime Mixed Level Non-Volatile Memory System," filed on June 12, 2018, and is pending (collectively referred to hereinafter referred to as the "Patent").

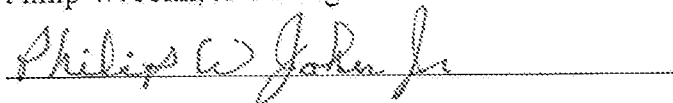
For good and valuable consideration, Assignor and Assignee hereby agree as follows:

## ASSIGNMENT:

1. Assignor hereby assigns to Assignee its entire worldwide right, title and interest in and to Assignor's Patent, including the entire worldwide right, title and interest in and to any reexamination or reissue of the Patent. This includes, without limitation, Assignor's right to prosecute, and receive, all damages, royalties, awards and compensation for past, present and/or future infringement.
2. Assignor agrees to do the following without further consideration, in order to carry out the intent of this Assignment:
  - i. Execute all oaths, assignments, applications, and other papers necessary or desirable to fully secure to Assignee the rights, titles and interests herein conveyed; and
  - ii. Generally do all lawful acts for vesting in Assignee the rights, titles, and interests herein conveyed.
3. Assignor has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed to Assignee.
4. Assignor hereby represents and warrants that Assignor has the authority to assign the applicable Patent pursuant to this Assignment.

The undersigned having read this Assignment and fully understanding the provisions of this Assignment, hereby executes this Assignment as of the Effective Date.

Greenthread, LLC (Assignor)  
Philip W. John, Jr. Manager



Signature:

Printed Name: Philip W. John, Jr.

Date: August 9, 2019