

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3582380

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KRISTOPHER BARBEE	06/18/2013
RYAN JONES	06/12/2013
SEAN MCCUSKER	05/31/2013
MAXIMILIAN CARPINO	05/23/2013
JOHN LEAMON	06/05/2013
JONATHAN SCHULTZ	06/21/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5791 VAN ALLEN WAY
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92008
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13828633
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(760)476-6048
<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>	760-603-7200
<b>Email:</b>	lifetechdocket@system.foundationip.com
<b>Correspondent Name:</b>	JOHN SCHELL
<b>Address Line 1:</b>	5791 VAN ALLEN WAY
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	LT00685
<b>NAME OF SUBMITTER:</b>	MARY K. CHACON
<b>SIGNATURE:</b>	/Mary K. Chacon/
<b>DATE SIGNED:</b>	10/22/2015
<b>Total Attachments: 6</b>	

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source=LT00685 Assignment - SIGNED#page5.tif  
source=LT00685 Assignment - SIGNED#page6.tif

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Kristopher BARBEE, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **East Haven, CT**.

2. Ryan JONES, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **New Haven, CT**.

3. Sean MCCUSKER, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **New Haven, CT**.

4. Maximilian CARPINO, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **Uncasville, CT**.

5. John LEAMON, a citizen of **US**; having a mailing address of  
251 Nortontown Road, Guilford, Connecticut, 06437;  
and a resident of **Guilford, CT**.

6. Jonathan SCHULTZ, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **Oxford, MA**.

7. Jon HOSHIZAKI, a citizen of **US**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **Cupertino, CA**.

do hereby SELL, ASSIGN, AND TRANSFER to **LIFE TECHNOLOGIES CORPORATION**, (the "Assignee", a corporation of the State of Delaware) having a place of business at 5791 Van Allen Way, Carlsbad, California 92008, USA the entire right, title, and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in United States Non-provisional Patent Application, Serial No. 13/828,633, filed on March 14, 2013 entitled **AMPLIFICATION AND ARRAY LOADING APPARATUS AND METHODS**, and such applications and all divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

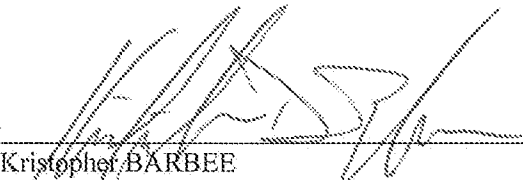
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

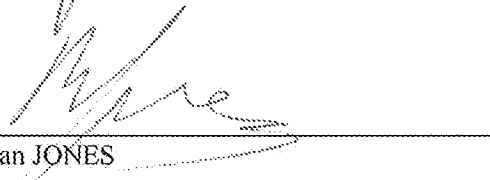
COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible for which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining, and enforcing proper patent protection for such improvements.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the assignee's agents associated with customer number 52059 to insert above the filing date and application number of said application when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

Signature:   
Name (1) Kristopher BARBEE

Date: 6/18/2013

Signature:   
Name (2) Ryan JONES

Date: 6/12/13

Signature:   
Name (3) Sean MCCUSKER


Date: 5/31/13

Signature:   
Name (4) Maximilian CARPINO

Date: 5/23/2013

Signature: \_\_\_\_\_  
Name (5) John LEAMON

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

Signature:   
Name (6) Jonathan SCHULTZ

Date: 6/21/2013

Signature: \_\_\_\_\_  
Name (7) Jon HOSHIZAKI

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

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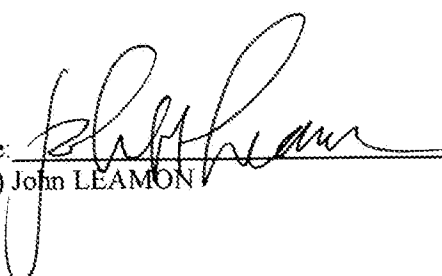
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Date: 6/5/2013

Signature: \_\_\_\_\_  
Name (6) Jonathan SCHULTZ

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

Signature: \_\_\_\_\_  
Name (7) Jon HOSHIZAKI

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