

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Wolfgang Hinz</td> <td>03/16/2012</td> </tr> <tr> <td>Ryan Jones</td> <td>03/16/2012</td> </tr> <tr> <td>David Light</td> <td>03/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wolfgang Hinz	03/16/2012	Ryan Jones	03/16/2012	David Light	03/16/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Life Technologies Corporation</td> </tr> <tr> <td>Street Address:</td> <td>5791 Van Allen Way</td> </tr> <tr> <td>City:</td> <td>Carlsbad</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92008</td> </tr> </table>		Name:	Life Technologies Corporation	Street Address:	5791 Van Allen Way	City:	Carlsbad	State/Country:	CALIFORNIA	Postal Code:	92008
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CORRESPONDENCE DATA											
<p>Fax Number: (760)268-8393</p> <p>Email: LifetechDocket@system.foundationip.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: John Schell</p> <p>Address Line 1: 5791 Van Allen Way</p> <p>Address Line 2: Life Technologies Corporation</p> <p>Address Line 4: Carlsbad, CALIFORNIA 92008</p>											
ATTORNEY DOCKET NUMBER:	LT00454										

CH \$160.00 61441497

NAME OF SUBMITTER:

Elizabeth Morgan

Total Attachments: 2

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**ASSIGNMENT**

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

1. Wolfgang HINZ, a citizen of **DE**; having a mailing address of  
LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of **Killingworth, CT.**

2. Ryan JONES, a citizen of **US**; having a mailing address of  
Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008  
and a resident of **New Haven, CT.**

3. David LIGHT, 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.**

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 Provisional Patent Application, Serial No. 61/441,497, filed February 10, 2011; United States Provisional Patent Application, Serial No. 61/473,232, filed April 08, 2011; International Patent Application No. PCT/US2012/24756, filed on February 10, 2012; and in United States Non-provisional Patent Application, Serial No. 13/371,264, filed on February 10, 2012 entitled PURIFICATION SYSTEMS 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;

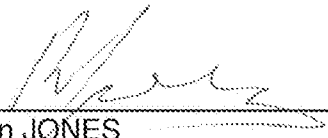
WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

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.

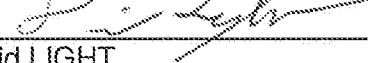
TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

Signature:   
Name (1) Wolfgang HINZ

Date: 3/16/2012

Signature:   
Name (2) Ryan JONES

Date: 3-16-12

Signature:   
Name (3) David LIGHT

Date: 3-16-12