

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Jian GU</td> <td>04/16/2013</td> </tr> <tr> <td>Kelli BRAMLETT</td> <td>04/16/2013</td> </tr> <tr> <td>Christopher BURNETT</td> <td>04/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jian GU	04/16/2013	Kelli BRAMLETT	04/16/2013	Christopher BURNETT	04/16/2013
Name	Execution Date								
Jian GU	04/16/2013								
Kelli BRAMLETT	04/16/2013								
Christopher BURNETT	04/16/2013								
RECEIVING PARTY DATA									
Name:	LIFE TECHNOLOGIES CORPORATION								
Street Address:	5791 Van Allen Way								
City:	Carlsbad								
State/Country:	CALIFORNIA								
Postal Code:	92008								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13774648</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13774648				
Property Type	Number								
Application Number:	13774648								
CORRESPONDENCE DATA									
Fax Number:	7602688393								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7606037200								
Email:	lifetechdocket@system.foundationip.com								
Correspondent Name:	LIFE TECHNOLOGIES CORPORATION								
Address Line 1:	5791 Van Allen Way								
Address Line 4:	Carlsbad, CALIFORNIA 92008								
ATTORNEY DOCKET NUMBER:	LT00678								
NAME OF SUBMITTER:	Peter G. Foiles								
Signature:	/Peter G. Foiles/								
Date:	04/30/2013								
Total Attachments: 3 source=LT00678_Assignment_AsFiled_20130430#page1.tif source=LT00678_Assignment_AsFiled_20130430#page2.tif source=LT00678_Assignment_AsFiled_20130430#page3.tif									

CH \$40.00 13774648

**ASSIGNMENT**

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

1. Jian GU, a citizen of US; having a mailing address of  
9209 Colberg Drive, Austin Texas 78749;

---

and a resident of **Austin, TX.**

2. Kelli BRAMLETT, a citizen of US; having a mailing address of  
2314 Pruett Street, Austin, Texas 78703;

---

and a resident of **Austin, TX.**

3. Christopher BURNETT, a citizen of US; having a mailing address of  
7625 Rockpoint Drive, Austin, Texas 78731;

---

and a resident of **Austin, TX.**

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 No. 13/774,648 filed on **February 22, 2013** entitled **OLIGONUCLEOTIDES AND METHODS FOR THE PREPARATION OF RNA LIBRARIES**, 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;

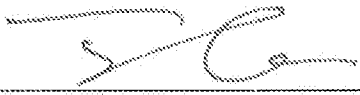
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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) Jian GU

Date: 4/16/2013

Signature:   
Name (2) Kelli BRAMLETT

Date: 4/16/2013

Docket No. LT00678  
Customer No. 52059

Signature:   
Name (3) Christopher BURNETT

Date: April 16/2013