

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES STRAY	02/25/2011
JASON YINGJIE LIU	02/24/2011
MAXIM BREVNOV	02/28/2011
JAIPRAKASH SHEWALE	02/28/2011
ALLISON HOLT	02/25/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5823 NEWTON DRIVE
<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>
<b>Application Number:</b>	17146163
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)328-1707
<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>	801-533-9800
<b>Email:</b>	mdunaway@wnlaw.com
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<b>Address Line 1:</b>	60 EAST SOUTH TEMPLE
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<b>Address Line 4:</b>	SALT LAKE CITY, UTAH 84111
<b>ATTORNEY DOCKET NUMBER:</b>	11398.250.1.1
<b>NAME OF SUBMITTER:</b>	J PAUL NORTON
<b>SIGNATURE:</b>	/J. Paul Norton/
<b>DATE SIGNED:</b>	01/11/2021
<b>Total Attachments: 6</b>	

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**ASSIGNMENT**

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

**James STRAY**, residing at 3615 East Laurel Creek Drive, San Mateo, CA 94403 United States of America, citizen of US; and

**Jason Yingjie LIU**, residing at 831 Pollux Court, Foster City, California 94404 United States of America, citizen of US; and

**Maxim BREVNOV**, residing at 5866 Carmel Way, Union City, CA 94587 United States of America, citizen of RU; and

**Jaiprakash SHEWALE**, residing at 2833 Cabrillo Avenue, Santa Clara, CA 95051 United States of America, citizen of IN; and

**Allison HOLT**, residing at 245 Myrtle Road, Apartment #1, Burlingame, CA 94010 United States of America, citizen of US; and

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. **61/243,136**, filed on September 16, 2009; United States Provisional Patent Application Serial No. **61/360,386**, filed on June 30, 2010; United States Provisional Patent Application Serial No. **61/379,346**, filed on September 1, 2010; International Patent Application No. **PCT/US2010/048833**, filed on September 14, 2010; and in United States Non-provisional Patent Application, Serial No. **12/882,194**, filed on September 14, 2010 entitled **LYSIS BUFFERS FOR EXTRACTING NUCLEIC ACIDS**, 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

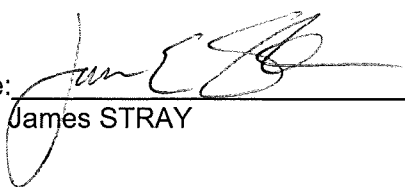
specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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.

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) James STRAY

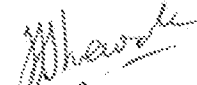
Date: 25 Feb 2011

Signature: \_\_\_\_\_  
Name (2) Jason Yingjie LIU


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

Signature:   
Name (3) Maxim BREVNOV

Date: 2/28/2011

Signature:   
Name (4) Jaiprakash SHEWALE

Date: 2/28/11

Signature:   
Name (5) Allison HOLT

Date: Feb. 25, 2011

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Signature: \_\_\_\_\_  
Name (1) James STRAY

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

Signature:  \_\_\_\_\_  
Name (2) Jason Yingjie LIU

Date: 2/24/2011

Docket No. LT00060 US  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (3) Maxim BREVNOV

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

Signature: \_\_\_\_\_  
Name (4) Jaiprakash SHEWALE

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

Signature: \_\_\_\_\_  
Name (5) Allison HOLT

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