# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTIAN KOLLER	10/16/2014
MARCIN SIKORA	10/29/2014
PETER VANDER HORN	10/16/2014

#### **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**

Property Type	Number
Application Number:	14506520

#### **CORRESPONDENCE DATA**

Fax Number:

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.

Email: LifetechDocket@system.foundationip.com

Correspondent Name: CHRISTIAN D'AVIGNON-AUBUT

Address Line 1: 5791 VAN ALLEN WAY

Address Line 2: LIFE TECHNOLOGIES CORPORATION

Address Line 4: CARLSBAD, CALIFORNIA 92008

ATTORNEY DOCKET NUMBER:	LT00861
NAME OF SUBMITTER:	ELIZABETH MORGAN
SIGNATURE:	/Elizabeth Morgan/
DATE SIGNED:	10/29/2014

### **Total Attachments: 9**

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#### ASSIGNMENT

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

1. Christian KOLLER, a citizen of **DE**; having a mailing address of

Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008;

and a resident of San Francisco, CA.

2. Marcin SIKORA, a citizen of PL; having a mailing address of

1210 Bellevue Ave., #104, Burlingame, California 94010;

and a resident of Burlingame, CA.

3. Peter VANDER HORN, a citizen of US; having a mailing address of

Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008;

and a resident of Encinitas, 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

- (1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Non-provisional Patent Application, Serial No. 14/506,520, filed on October 3, 2014 entitled METHODS AND SYSTEMS FOR MODELING PHASING EFFECTS IN SEQUENCING USING TERMINATION CHEMISTRY, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);
- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty

and claim priority based on any of the foregoing applications in the United States or any other

country; and

(4) the copyright in any and all material described, disclosed, or contained in the

foregoing applications and patents;

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 (1) execute any and all papers and documents (including

without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts

reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent

applications and patents referenced herein; (2) communicate to the Assignee all facts known to the

undersigned relating to each of the patent applications, patents, and improvements referenced herein, and

the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider

desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements

referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions,

improvements, know-how, and other subject matter referenced herein.

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.

2 of 3

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Signature:	Date: 16 October 2014
Name (1) Christian KOLLER	
Signature:	Date:
Name (2) Marcin SIKORA	
Signatura	Date:
Signature:	Date,
Name (3) Peter VANDER HORN	

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(3) the right to file foreign applications under the provisions of any convention or treaty

and claim priority based on any of the foregoing applications in the United States or any other

country; and

(4) the copyright in any and all material described, disclosed, or contained in the

foregoing applications and patents:

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign

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WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement

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purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including

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Signature: Name (1) Christian KOLLER	Date:
Signature:Name (2) Marcin SIKORA	Date: 10/29/2014
Signature:Name (3) Peter VANDER HORN	Date:

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- (2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

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(3) the right to file foreign applications under the provisions of any convention or treaty

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Signature:Name (1) Christian KOLLER	Date:
Signature:Name (2) Marcin SIKORA	Date:
Signature: A. Janoli Ho. Name (3) Peter VANDER HORN	Date: 10/16/14