### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2612573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHIEH-YUAN LI	09/27/2013
DAVID RUFF	09/27/2013
SHIAW-MIN CHEN	09/27/2013
JENNIFER O'NEIL	09/28/2013
RACHEL KASINSKAS	09/25/2013
JONATHAN ROTHBERG	09/24/2013
WOLFGANG HINZ	10/01/2013

#### 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

Property Type	Number
Application Number:	14023361

### **CORRESPONDENCE DATA**

Fax Number: (760)476-6048 Phone: 650-638-6464

Email: LifetechDocket@system.foundationip.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: LIFE TECHNOLOGIES CORPORATION

Address Line 1: 5791 VAN ALLEN WAY
Address Line 2: IP DEPARTMENT

Address Line 4: CARLSBAD, CALIFORNIA 92008

ATTORNEY DOCKET NUMBER: LT00718.1 PATENT

502566763 REEL: 031588 FRAME: 0388

NAME OF SUBMITTER:	MILA T. KASAN
Signature:	/Mila T. Kasan/
Date:	11/12/2013
Total Attachments: 20 source=LT00718-1_Executed_Assignment#	trpage 2. tif trpage 3. tif trpage 4. tif trpage 5. tif trpage 6. tif trpage 8. tif trpage 9. tif trpage 10. tif trpage 11. tif trpage 12. tif trpage 13. tif trpage 14. tif trpage 15. tif trpage 16. tif trpage 17. tif trpage 18. tif trpage 19. tif

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

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7. Wolfgang HINZ, a citizen of **DE**; having a mailing address of

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and a resident of Killingworth, 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

- (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. 14/023,361, filed on September 10, 2013 entitled NUCLEIC ACID AMPLIFICATION, (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

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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:	Date:	9/27 /20/5
Signature: Name (2) David RUFF	Date:	9/27/06/3
Signature: Name (3) Shiaw-Min CHEN	Date:	9/27/2013
Signature: Name (4) Jampifer O'NEU	Date:	

Signature:	Date:	
Name (5) Rachel KASINSKAS		
Signature:	Date:	
Name (6) Jonathan ROTHBERG		
Signature:	Date:	
Name (7) Wolfgang HINZ		

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and a resident of Gumoru, C1.		
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and a resident of Killingworth, CT.

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

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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:Name (1) Chieh-Yuan LĪ	Date:
Signature:Name (2) David RUFF	Date:
Signature:Name (3) Shiaw-Min CHEN	Date:
Signature: Name (4) Jennifer O'NEN	Date: 9 28 2013

3 of 4

Signature:	Date:
Name (5) Rachel KASINSKAS	
Signature:	Date:
Name (6) Jonathan ROTHBERG	
•	
Signature:	Date:
Name (7) Wolfgang HINZ	

#### **ASSIGNMENT**

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Signature:	Date:
Name (5) Rachel KASINSKAS	
Signature: Mulls Attilled Name (6) Jonathan ROTHBERG	Date: 9/24/2013
Signature: Name (7) Wolfgang HINZ	Date:

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	, /
Signature:	
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