503815303 05/06/2016

EPAS ID: PAT3861951

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANILKUMAR KORE	10/18/2012
SHANMUGASUNDARAM MUTHIAN	10/18/2012
KYLE GEE	10/18/2012

RECEIVING PARTY DATA

Name:	LIFE TECHNOLOGIES CORPORATION	
Street Address:	5823 NEWTON DRIVE	
Internal Address:	ATTN: IP DEPARTMENT	
City:	CARLSBAD	
State/Country:	CALIFORNIA	
Postal Code:	92008	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14600155

CORRESPONDENCE DATA

Fax Number: (760)268-8393

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.

Phone: 760-603-7200

Email: lifetechdocket@system.foundationip.com
Correspondent Name: LIFE TECHNOLOGIES CORPORATION

Address Line 1: 5823 NEWTON DRIVE
Address Line 2: ATTN: IP DEPARTMENT

Address Line 4: CARLSBAD, CALIFORNIA 92011

ATTORNEY DOCKET NUMBER:	LT005889DIV
NAME OF SUBMITTER:	TERRIE URIDIL-SLAYTON
SIGNATURE:	/Terrie Uridil-Slayton/
DATE SIGNED:	05/06/2016

Total Attachments: 4

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PATENT 503815303 REEL: 038485 FRAME: 0461

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PATENT REEL: 038485 FRAME: 0462

Docket Nos.: LT00589 and LT00589 PCT

Customer No. 52059

ASSIGNMENT

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

1. Anilkumar Kore, a citizen of **US**; having a mailing address of LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008; and a resident of **Austin, TX**.

2. Shanmugasundaram MUTHIAN, a citizen of **IN**; having a mailing address of LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008; and a resident of **Austin, TX**.

2. Kyle GEE, a citizen of **US**; having a mailing address of LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008; and a resident of **Springfield**, **OR**.

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. 61/548,653, filed Oct 18, 2011; entitled Alkynyl-Derivatized Cap Analogs, Preparation and Uses Thereof, United States Non-Provisional Application, Serial No. 13/655,103, filed October 18, 2012 and International Application, Serial No. PCT/US12/60832, filed October 18, 2012, 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 applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

Docket Nos.: LT00589 and LT00589 PCT

Customer No. 52059

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) Anilkumar Kore

Date: 10/18/2012

Signature:

Name (2) Shanmugasundaram MUTHIAN

Date: 10/18/2012

Signature:

Name (3) Kyle GEE

Date:

Docket Nos.: LT00589 and LT00589 PCT Customer No. 52059

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- 2. Kyle GEE, a citizen of **US**; having a mailing address of LIFE TECHNOLOGIES CORPORATION, 5791 Van Allen Way, Carlsbad, California 92008; and a resident of **Springfield**, **OR**.

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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;

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,

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undersigned and extend to the successors, assigns, and nominees of the Assignee.

Signature:_____ Date:____

Name (1) Anilkumar Kore

Signature:_____ Date:_____ Name (2) Shanmugasundaram MUTHIAN

Traine (2) Ghannugasundaram Wo FriiAiv

Signature: 1/1/1/201 Date: 10-18-2012

Signature: ______ Date: _____ Date: _____