

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5071879

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NIVEDITA SUMI MAJUMDAR	09/21/2016
ABHISHEK SASEENDRAN	03/03/2017
APUROOP KALAPALA	03/06/2017
JAYASHREE SRIVASTAVA	07/03/2017
BRIAN HO	02/22/2017
PATRICIA HEGERICH	11/02/2016
MARION LAIG	11/03/2016
<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>	29574943
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(760)476-6048
<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>	760-603-7200
<b>Email:</b>	lsgdocketing@thermofisher.com
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Address Line 1:</b>	5823 NEWTON DRIVE
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	LT01187DES
<b>NAME OF SUBMITTER:</b>	CHERI GOMEZ
<b>SIGNATURE:</b>	/Cheri Gomez/
<b>DATE SIGNED:</b>	07/27/2018

**Total Attachments: 28**

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ASSIGNMENT

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

1. Nivedita Sumi MAJUMDAR, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

-----  
and a resident of San Bruno, CA.

2. Abhishek SASEENDRAN, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

-----  
and a resident of Bangalore, India.

3. Apuroop KALAPALA, a citizen of IN; having a mailing address of  
C-4/75 Indian Airlines Colony, Vasant Vihar, New Delhi, India 110057;

-----  
and a resident of New Delhi, India.

4. Jayashree SRIVASTAVA, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

-----  
and a resident of Uttar Pradesh, India.

5. Brian HO, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

-----  
and a resident of Sunnyvale, CA.

6. Patricia HEGERICH, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

-----  
and a resident of Redwood City, CA.

7. Marion LAIG, a citizen of DE; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

---

and a resident of San Mateo, 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 5823 Newton Drive, 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. 29/574,943, filed on August 19, 2016 entitled DISPLAY SCREEN OR PORTION THEREOF WITH DYNAMIC GRAPHICAL USER INTERFACE, (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;

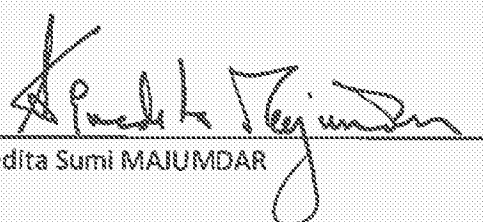
WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

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.

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) Nivedita Sumi MAJUMDAR

Date: 9/24/2016

Signature: \_\_\_\_\_  
Name (2) Abhishek SASEENDRAN

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

Signature: \_\_\_\_\_  
Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_  
Name (4) Jayashree SRIVASTAVA

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

Signature: \_\_\_\_\_  
Name (5) Brian HO

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

Signature: \_\_\_\_\_  
Name (6) Patricia HEGERICH

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

Signature: \_\_\_\_\_  
Name (7) Marion LAIG

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

*[Faint signature]*

*[Faint signature]*

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and a resident of **Bangalore, India**.

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and a resident of **New Delhi, India**.

4. Jayashree SRIVASTAVA, a citizen of **IN**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of **Uttar Prasesh, India**.

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and a resident of **Sunnyvale, CA**.

6. Patricia HEGERICH, a citizen of **US**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of **Redwood City, CA**.

7. Marion LAIG, a citizen of **DE**; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of **San Mateo, 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 5823 Newton Drive, 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. **29/574,943**, filed on **August 19, 2016** entitled DISPLAY SCREEN OR PORTION THEREOF WITH DYNAMIC GRAPHICAL USER INTERFACE, (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.

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) Nivedita Sumi MAJUMDAR

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

Signature: 

Name (2) Abhishek SASEENDRAN

Date: 03/03/2017

Signature: \_\_\_\_\_

Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_

Name (4) Jayashree SRIVASTAVA

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

Signature: \_\_\_\_\_

Name (5) Brian HO

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

Signature: \_\_\_\_\_

Name (6) Patricia HEGERICH

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

Signature: \_\_\_\_\_

Name (7) Marion LAIG

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

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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

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Signature: \_\_\_\_\_  
Name (1) Nivedita Sumi MAJUMDAR

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

Signature: \_\_\_\_\_

Name (2) Abhishek SASEENDRAN

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



Signature: \_\_\_\_\_

Name (3) Apuroop KALAPALA

Date: 3/6/17

Signature: \_\_\_\_\_

Name (4) Jayashree SRIVASTAVA

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

Signature: \_\_\_\_\_

Name (5) Brian HO

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

Signature: \_\_\_\_\_

Name (6) Patricia HEGERICH

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

Signature: \_\_\_\_\_

Name (7) Marion LAIG

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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Signature: \_\_\_\_\_  
Name (1) Nivedita Sumi MAJUMDAR

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

Signature: \_\_\_\_\_

Name (2) Abhishek SASEENDRAN

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

Signature: \_\_\_\_\_

Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_

Name (4) Jayashree SRIVASTAVA

*Jayashree*

Date: 07/03/2017

Signature: \_\_\_\_\_

Name (5) Brian HO

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

Signature: \_\_\_\_\_

Name (6) Patricia HEGERICH

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

Signature: \_\_\_\_\_

Name (7) Marion LAIG

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

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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 (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.

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) Nivedita Sumi MAJUMDAR

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

Signature: \_\_\_\_\_  
Name (2) Abhishek SASEENDRAN

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

Signature: \_\_\_\_\_  
Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_  
Name (4) Jayashree SRIVASTAVA

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

Signature:  \_\_\_\_\_  
Name (5) Brian HO

Date: 2/22/2017

Signature: \_\_\_\_\_  
Name (6) Patricia HEGERICH

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

Signature: \_\_\_\_\_  
Name (7) Marion LAIG

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

**ASSIGNMENT**

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

1. Nivedita Sumi MAJUMDAR, a citizen of **IN**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

---

and a resident of **San Bruno, CA**.

2. Abhishek SASEENDRAN, a citizen of **IN**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of **Bangalore, India**.

3. Apuroop KALAPALA, a citizen of **IN**; having a mailing address of C-4/75 Indian Airlines Colony, Vasant Vihar, New Delhi, India 110057;

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and a resident of **New Delhi, India**.

4. Jayashree SRIVASTAVA, a citizen of **IN**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of **Uttar Pradesh, India**.

5. Brian HO, a citizen of **US**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

---

and a resident of **Sunnyvale, CA**.

6. Patricia HEGERICH, a citizen of **US**; having a mailing address of Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

---

and a resident of **Redwood City, CA**.

7. Marion LAIG, a citizen of DE; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

---

and a resident of San Mateo, 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 5823 Newton Drive, 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. **29/574,943**, filed on August 19, 2016 entitled DISPLAY SCREEN OR PORTION THEREOF WITH DYNAMIC GRAPHICAL USER INTERFACE, (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.

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) Nivedita Sumi MAJUMDAR

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

Signature: \_\_\_\_\_  
Name (2) Abhishek SASEENDRAN

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

Signature: \_\_\_\_\_  
Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_  
Name (4) Jayashree SRIVASTAVA

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

Signature: \_\_\_\_\_  
Name (5) Brian HO

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

Signature: \_\_\_\_\_  
Name (6) Patricia HEGERICH

Date: 11/2/16

Signature: \_\_\_\_\_  
Name (7) Marion LAIG

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

ASSIGNMENT

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

1. Nivedita Sumi MAJUMDAR, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of San Bruno, CA.

2. Abhishek SASEENDRAN, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of Bangalore, India.

3. Apuroop KALAPALA, a citizen of IN; having a mailing address of  
C-4/75 Indian Airlines Colony, Vasant Vihar, New Delhi, India 110057;

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and a resident of New Delhi, India.

4. Jayashree SRIVASTAVA, a citizen of IN; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of Uttar Pradesh, India.

5. Brian HO, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of Sunnyvale, CA.

6. Patricia HEGERICH, a citizen of US; having a mailing address of  
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and a resident of Redwood City, CA.

7. Marion LAIG, a citizen of DE; having a mailing address of  
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

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and a resident of San Mateo, 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 5823 Newton Drive, 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. 29/574,943, filed on August 19, 2016 entitled DISPLAY SCREEN OR PORTION THEREOF WITH DYNAMIC GRAPHICAL USER INTERFACE, (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.

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: \_\_\_\_\_

Name (1) Nivedita Sumi MAJUMDAR

Signature: \_\_\_\_\_  
Name (2) Abhishek SASEENDRAN

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

Signature: \_\_\_\_\_  
Name (3) Apuroop KALAPALA

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

Signature: \_\_\_\_\_  
Name (4) Jayashree SRIVASTAVA

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

Signature: \_\_\_\_\_  
Name (5) Brian HO

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

Signature: \_\_\_\_\_  
Name (6) Patricia HEGERICH

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

Signature: Marion Laig  
Name (7) Marion LAIG

Date: 11/03/2016