504497051 08/09/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4543754

		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY	DATA		
		Name	Execution Date
CAMILLE MOUSSETT	Ē		06/05/2017
HUGO D. VERWEIJ			06/08/2017
MITCHELL R. LERNER	7		06/06/2017
PER HAKAN LINUS PI	ERSSON		06/05/2017
JOSEPH A. MALIA			06/09/2017
JEAN-PIERRE M. MO	UILLESEA	AUX	06/05/2017
RECEIVING PARTY D			
Name:	APPLE	INC.	
Street Address:	1 Infini	te Loop	
City:	Cupert	Cupertino	
State/Country:	CALIF	CALIFORNIA	
Postal Code:	95014		
PROPERTY NUMBER Property Type		Number	
Application Number:		15619359	
Application Number: CORRESPONDENCE Fax Number: Correspondence will	DATA be sent to	15619359 (650)843-4001 o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 650-843-4000 beverly.gemello@morganlewis.com	
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Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to f provideo	(650)843-4001 o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 650-843-4000 beverly.gemello@morganlewis.com GARY S. WILLIAMS MORGAN, LEWIS & BOCKIUS LLP 1400 PAGE MILL ROAD PALO ALTO, CALIFORNIA 94304	
Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, in Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N	DATA be sent to f provideo	(650)843-4001 o the e-mail address first; if that is unsu d; if that is unsuccessful, it will be sent 650-843-4000 beverly.gemello@morganlewis.com GARY S. WILLIAMS MORGAN, LEWIS & BOCKIUS LLP 1400 PAGE MILL ROAD PALO ALTO, CALIFORNIA 94304	
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Total Attachments: 5

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ASSIGNMENT

WHEREAS, WE, CAMILLE MOUSSETTE, citizen of Canada, residing in Los Gatos, CA; HUGO D. VERWEIJ, citizen of the Netherlands, residing in San Francisco, CA; MITCHELL R. LERNER, citizen of the United States of America, residing in San Francisco, CA; PER HÅKAN LINUS PERSSON, citizen of Sweden, residing in Cupertino, CA; JOSEPH A. MALIA, citizen of the United Kingdom, residing in San Francisco, CA; JEAN-PIERRE M. MOUILLESEAUX, citizen of the United States of America, residing in San Francisco, CA; ASSIGNORS, are the inventors of the invention in DEVICES, METHODS, AND GRAPHICAL USER INTERFACES FOR PROVIDING HAPTIC FEEDBACK, described in an application for a Patent of the United States

 \boxtimes which is executed on \boxtimes even date herewith

which is identified by Morgan, Lewis & Bockius LLP docket no. P29439US1/63266-7366-US

which was filed on ______, Application No. _____

which claims priority on U.S. Provisional Patent Application No(s). 62/507,039 and 62/349,115

We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number 15/1019,359, filed 0/9/2017) the filing date and application number of said application when known.

and WHEREAS, **APPLE INC.**, ASSIGNEE, having a place of business at 1 Infinite Loop, Cupertino, California 95014, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, sitely, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

June 5, 2017 Date

1 Jute L.S.

Date

Hugo D. Verweii

PATENT REEL: 043250 FRAME: 0255

L.S.

DB2/21162008.2

ASSIGNMENT

WHEREAS, WE, CAMILLE MOUSSETTE, citizen of Canada, residing in Los Gatos, CA; HUGO D. VERWEIJ, citizen of the Netherlands, residing in San Francisco, CA; MITCHELL R. LERNER, citizen of the United States of America, residing in San Francisco, CA; PER HÅKAN LINUS PERSSON, citizen of Sweden, residing in Cupertino, CA; JOSEPH A. MALIA, citizen of the United Kingdom, residing in San Francisco, CA; JEAN-PIERRE M. MOUILLESEAUX, citizen of the United States of America, residing in San Francisco, CA; ASSIGNORS, are the inventors of the invention in DEVICES, METHODS, AND GRAPHICAL USER INTERFACES FOR PROVIDING HAPTIC FEEDBACK, described in an application for a Patent of the United States

 \boxtimes which is executed on \boxtimes even date herewith

which is identified by Morgan, Lewis & Bockius LLP docket no. P29439US1/63266-7366-US

which was filed on ______, Application No. _____

Which claims priority on U.S. Provisional Patent Application No(s). 62/507,039 and 62/349,115

We hereby authorize and request our attorney. Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number $\underline{151619,359}$, filed $\underline{\omega} | \underline{912017}$) the filing date and application number of said application when known.

and WHEREAS, APPLE INC., ASSIGNEE, having a place of business at 1 Infinite Loop, Cupertino, California 95014, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date

Date 6/8/17

L.S. **Camille Moussette** L.S. Hugo D. Verwei

DB2/21162008.2

PATENT REEL: 043250 FRAME: 0256 MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. P29439US1/63266-7366-US

Date	Copiej, i	Mitchell R. Lerner	L.S.
Date		Per Håkan Linus Persson	L.S.
Date		Joseph A. Malia	L.S.
Date		Jean-Pierre M. Mouilleseaux	L.S.

MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. P29439US1/63266-7366-US

Date		Mitchell R. Lerner	L.S.
Date	June 5th 2017	Per Håkan Linus Persson	L.S.
Date		Joseph A. Malia	L.S.
Date	5 june 2017	Jean-Pierre M. Mouillescaux	L.S.

MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. P29439US1/63266-7366-US

Date		L.S.
	Mitchell R. Lerner	
Date	Per Håkan Linus Persson	L.S.
Date June - 9 - 2017	Joseph A. Malia	L.S.
Date	Jean-Pierre M. Mouilleseaux	L.S.

DB2/21162008.2

RECORDED: 08/09/2017