

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6548238

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JODY AKANA	11/30/2020
MOLLY ANDERSON	12/01/2020
BARTLEY K. ANDRE	11/04/2020
SHOTA AOYAGI	11/30/2020
ANTHONY MICHAEL ASHCROFT	11/18/2020
MARINE C. BATAILLE	11/18/2020
JEREMY BATAILLOU	11/30/2020
ABIDUR RAHMAN CHOWDHURY	11/20/2020
CLARA GENEVIÈVE MARINE COURTAIGNE	12/01/2020
MARKUS DIEBEL	12/02/2020
JONATHAN GOMEZ GARCIA	11/30/2020
M. EVANS HANKEY	12/14/2020
RICHARD P. HOWARTH	11/04/2020
JONATHAN P. IVE	11/04/2020
JULIAN JAEDE	11/19/2020
DUNCAN ROBERT KERR	11/04/2020
PETER RUSSELL-CLARKE	11/19/2020
BENJAMIN ANDREW SHAFFER	11/19/2020
JOE SUNG-HO TAN	12/01/2020
CLEMENT TISSANDIER	11/19/2020
EUGENE ANTONY WHANG	11/04/2020
RECEIVING PARTY DATA	
Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	

Property Type	Number
Application Number:	29744879

CORRESPONDENCE DATA

Fax Number: (202)371-2540
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: 2023712600

Email: roconnell@sternekessler.com, rbadman@sternekessler.com

Correspondent Name: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Address Line 1: 1100 NEW YORK AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	3607.5160000(P50772US1)
NAME OF SUBMITTER:	CHARLES D. HAMMOND #73,287
SIGNATURE:	/Charles D. Hammond #73,287/
DATE SIGNED:	02/11/2021

Total Attachments: 42

source=Executed-Assignment-3607-5160000#page1.tif
source=Executed-Assignment-3607-5160000#page2.tif
source=Executed-Assignment-3607-5160000#page3.tif
source=Executed-Assignment-3607-5160000#page4.tif
source=Executed-Assignment-3607-5160000#page5.tif
source=Executed-Assignment-3607-5160000#page6.tif
source=Executed-Assignment-3607-5160000#page7.tif
source=Executed-Assignment-3607-5160000#page8.tif
source=Executed-Assignment-3607-5160000#page9.tif
source=Executed-Assignment-3607-5160000#page10.tif
source=Executed-Assignment-3607-5160000#page11.tif
source=Executed-Assignment-3607-5160000#page12.tif
source=Executed-Assignment-3607-5160000#page13.tif
source=Executed-Assignment-3607-5160000#page14.tif
source=Executed-Assignment-3607-5160000#page15.tif
source=Executed-Assignment-3607-5160000#page16.tif
source=Executed-Assignment-3607-5160000#page17.tif
source=Executed-Assignment-3607-5160000#page18.tif
source=Executed-Assignment-3607-5160000#page19.tif
source=Executed-Assignment-3607-5160000#page20.tif
source=Executed-Assignment-3607-5160000#page21.tif
source=Executed-Assignment-3607-5160000#page22.tif
source=Executed-Assignment-3607-5160000#page23.tif
source=Executed-Assignment-3607-5160000#page24.tif
source=Executed-Assignment-3607-5160000#page25.tif
source=Executed-Assignment-3607-5160000#page26.tif
source=Executed-Assignment-3607-5160000#page27.tif
source=Executed-Assignment-3607-5160000#page28.tif

source=Executed-Assignment-3607-5160000#page29.tif
source=Executed-Assignment-3607-5160000#page30.tif
source=Executed-Assignment-3607-5160000#page31.tif
source=Executed-Assignment-3607-5160000#page32.tif
source=Executed-Assignment-3607-5160000#page33.tif
source=Executed-Assignment-3607-5160000#page34.tif
source=Executed-Assignment-3607-5160000#page35.tif
source=Executed-Assignment-3607-5160000#page36.tif
source=Executed-Assignment-3607-5160000#page37.tif
source=Executed-Assignment-3607-5160000#page38.tif
source=Executed-Assignment-3607-5160000#page39.tif
source=Executed-Assignment-3607-5160000#page40.tif
source=Executed-Assignment-3607-5160000#page41.tif
source=Executed-Assignment-3607-5160000#page42.tif

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

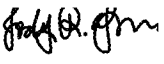
The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	30-Nov-2020		Jody AKANA
2.			Molly ANDERSON
3.			Bartley K. ANDRE
4.			Shota AOYAGI
5.			Anthony Michael ASHCROFT
6.			Marine C. BATAILLE
7.			Jeremy BATAILLOU
8.			Abidur Rahman CHOWDHURY
9.			Clara Geneviève Marine COURTAIGNE
10.			Markus DIEBEL
11.			Jonathan GOMEZ GARCIA
12.			M. Evans HANKEY
13.			Richard P. HOWARTH
14.			Jonathan P. IVE
15.			Julian JAEDE
16.			Duncan Robert KERR
17.			Peter RUSSELL-CLARKE
18.			Benjamin Andrew SHAFFER
19.			Joe Sung-Ho TAN
20.			Clement TISSANDIER
21.			Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.			Jody AKANA
2.	01-Dec-2020		Molly ANDERSON
3.			Bartley K. ANDRE
4.			Shota AOYAGI
5.			Anthony Michael ASHCROFT
6.			Marine C. BATAILLE
7.			Jeremy BATAILLOU
8.			Abidur Rahman CHOWDHURY
9.			Clara Geneviève Marine COURTAIGNE
10.			Markus DIEBEL
11.			Jonathan GOMEZ GARCIA
12.			M. Evans HANKEY
13.			Richard P. HOWARTH
14.			Jonathan P. IVE
15.			Julian JAEDE
16.			Duncan Robert KERR
17.			Peter RUSSELL-CLARKE
18.			Benjamin Andrew SHAFFER
19.			Joe Sung-Ho TAN
20.			Clement TISSANDIER
21.			Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.



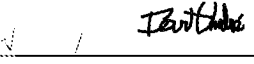


















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	04-Nov-2020	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.




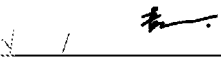

















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	30-Nov-2020	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	18-Nov-2020	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






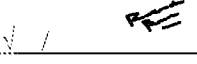















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	18-Nov-2020	 /	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.


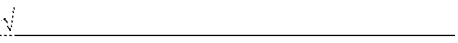
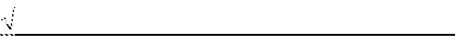
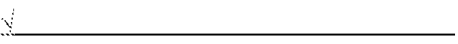
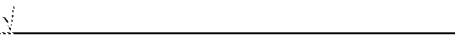
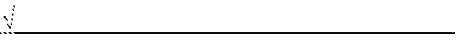
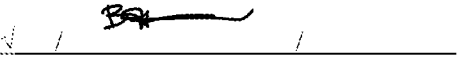
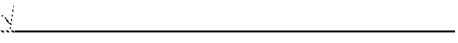
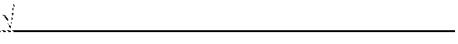
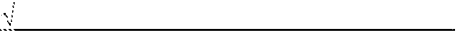
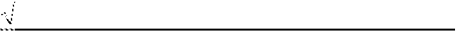
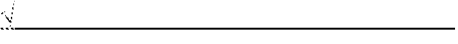
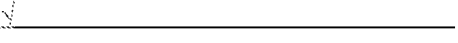
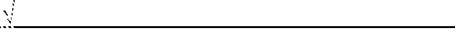
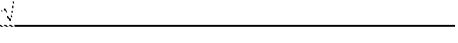
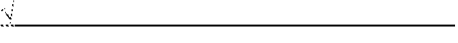
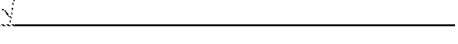
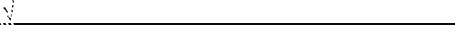
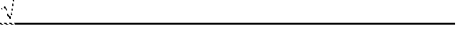
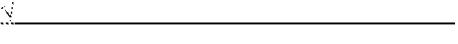

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____		Jody AKANA
2.	_____		Molly ANDERSON
3.	_____		Bartley K. ANDRE
4.	_____		Shota AOYAGI
5.	_____		Anthony Michael ASHCROFT
6.	_____		Marine C. BATAILLE
7.	30-Nov-2020		Jeremy BATAILLOU
8.	_____		Abidur Rahman CHOWDHURY
9.	_____		Clara Geneviève Marine COURTAIGNE
10.	_____		Markus DIEBEL
11.	_____		Jonathan GOMEZ GARCIA
12.	_____		M. Evans HANKEY
13.	_____		Richard P. HOWARTH
14.	_____		Jonathan P. IVE
15.	_____		Julian JAEDE
16.	_____		Duncan Robert KERR
17.	_____		Peter RUSSELL-CLARKE
18.	_____		Benjamin Andrew SHAFFER
19.	_____		Joe Sung-Ho TAN
20.	_____		Clement TISSANDIER
21.	_____		Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	20-Nov-2020	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.









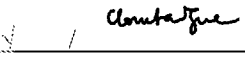












The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____		Jody AKANA
2.	_____		Molly ANDERSON
3.	_____		Bartley K. ANDRE
4.	_____		Shota AOYAGI
5.	_____		Anthony Michael ASHCROFT
6.	_____		Marine C. BATAILLE
7.	_____		Jeremy BATAILLOU
8.	_____		Abidur Rahman CHOWDHURY
9.	01-Dec-2020		Clara Geneviève Marine COURTAIGNE
10.	_____		Markus DIEBEL
11.	_____		Jonathan GOMEZ GARCIA
12.	_____		M. Evans HANKEY
13.	_____		Richard P. HOWARTH
14.	_____		Jonathan P. IVE
15.	_____		Julian JAEDE
16.	_____		Duncan Robert KERR
17.	_____		Peter RUSSELL-CLARKE
18.	_____		Benjamin Andrew SHAFFER
19.	_____		Joe Sung-Ho TAN
20.	_____		Clement TISSANDIER
21.	_____		Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.










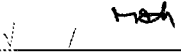











The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	02-Dec-2020	 / <i>hah</i> / _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.











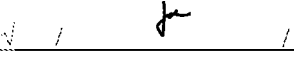










The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	30-Nov-2020	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.












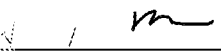









The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	14-Dec-2020	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	04-Nov-2020	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor, and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

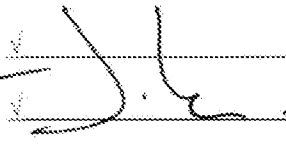
The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	✓ _____	Jody AKANA
2.	_____	✓ _____	Molly ANDERSON
3.	_____	✓ _____	Bartley K. ANDRE
4.	_____	✓ _____	Shota AOYAGI
5.	_____	✓ _____	Anthony Michael ASHCROFT
6.	_____	✓ _____	Marine C. BATAILLE
7.	_____	✓ _____	Jeremy BATAILLOU
8.	_____	✓ _____	Abidur Rahman CHOWDHURY
9.	_____	✓ _____	Clara Geneviève Marine COURTAIGNE
10.	_____	✓ _____	Markus DIEBEL
11.	_____	✓ _____	Jonathan GOMEZ GARCIA
12.	_____	✓ _____	M. Evans HANKEY
13.	_____	✓ _____	Richard P. HOWARTH
14.	11/04/2020	✓ 	Jonathan P. IVE
15.	_____	✓ _____	Julian JAEDE
16.	_____	✓ _____	Duncan Robert KERR
17.	_____	✓ _____	Peter RUSSELL-CLARKE
18.	_____	✓ _____	Benjamin Andrew SHAFFER
19.	_____	✓ _____	Joe Sung-Ho TAN
20.	_____	✓ _____	Clement TISSANDIER
21.	_____	✓ _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.















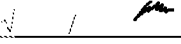






The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	19-Nov-2020	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	04-Nov-2020	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.























The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date:	Signature of Inventor:	Name:
1. _____	 _____	Jody AKANA
2. _____	 _____	Molly ANDERSON
3. _____	 _____	Bartley K. ANDRE
4. _____	 _____	Shota AOYAGI
5. _____	 _____	Anthony Michael ASHCROFT
6. _____	 _____	Marine C. BATAILLE
7. _____	 _____	Jeremy BATAILLOU
8. _____	 _____	Abidur Rahman CHOWDHURY
9. _____	 _____	Clara Geneviève Marine COURTAIGNE
10. _____	 _____	Markus DIEBEL
11. _____	 _____	Jonathan GOMEZ GARCIA
12. _____	 _____	M. Evans HANKEY
13. _____	 _____	Richard P. HOWARTH
14. _____	 _____	Jonathan P. IVE
15. _____	 _____	Julian JAEDE
16. _____	 _____	Duncan Robert KERR
17. 19-Nov-2020	 /  / _____	Peter RUSSELL-CLARKE
18. _____	 _____	Benjamin Andrew SHAFFER
19. _____	 _____	Joe Sung-Ho TAN
20. _____	 _____	Clement TISSANDIER
21. _____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	19-Nov-2020	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	01-Dec-2020	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	_____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date:	Signature of Inventor:	Name:
1. _____	 _____	Jody AKANA
2. _____	 _____	Molly ANDERSON
3. _____	 _____	Bartley K. ANDRE
4. _____	 _____	Shota AOYAGI
5. _____	 _____	Anthony Michael ASHCROFT
6. _____	 _____	Marine C. BATAILLE
7. _____	 _____	Jeremy BATAILLOU
8. _____	 _____	Abidur Rahman CHOWDHURY
9. _____	 _____	Clara Geneviève Marine COURTAIGNE
10. _____	 _____	Markus DIEBEL
11. _____	 _____	Jonathan GOMEZ GARCIA
12. _____	 _____	M. Evans HANKEY
13. _____	 _____	Richard P. HOWARTH
14. _____	 _____	Jonathan P. IVE
15. _____	 _____	Julian JAEDE
16. _____	 _____	Duncan Robert KERR
17. _____	 _____	Peter RUSSELL-CLARKE
18. _____	 _____	Benjamin Andrew SHAFFER
19. _____	 _____	Joe Sung-Ho TAN
20. 19-Nov-2020	 _____	Clement TISSANDIER
21. _____	 _____	Eugene Antony WHANG

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Joe Sung-Ho TAN, Clement TISSANDIER, and Eugene Antony WHANG**, the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **CHARGING MODULE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of July 31, 2020 (also known as United States Application No. 29/744,879), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.






















The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	_____	 _____	Jody AKANA
2.	_____	 _____	Molly ANDERSON
3.	_____	 _____	Bartley K. ANDRE
4.	_____	 _____	Shota AOYAGI
5.	_____	 _____	Anthony Michael ASHCROFT
6.	_____	 _____	Marine C. BATAILLE
7.	_____	 _____	Jeremy BATAILLOU
8.	_____	 _____	Abidur Rahman CHOWDHURY
9.	_____	 _____	Clara Geneviève Marine COURTAIGNE
10.	_____	 _____	Markus DIEBEL
11.	_____	 _____	Jonathan GOMEZ GARCIA
12.	_____	 _____	M. Evans HANKEY
13.	_____	 _____	Richard P. HOWARTH
14.	_____	 _____	Jonathan P. IVE
15.	_____	 _____	Julian JAEDE
16.	_____	 _____	Duncan Robert KERR
17.	_____	 _____	Peter RUSSELL-CLARKE
18.	_____	 _____	Benjamin Andrew SHAFFER
19.	_____	 _____	Joe Sung-Ho TAN
20.	_____	 _____	Clement TISSANDIER
21.	04-Nov-2020	 _____	Eugene Antony WHANG