

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6638217

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOBEEWAVE SYSTEMS ULC	03/27/2021

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 24

Property Type	Number
Application Number:	14261763
Application Number:	14305426
Application Number:	14371828
Application Number:	15503743
Application Number:	15657351
Application Number:	15861963
Application Number:	16061743
Application Number:	16251827
Application Number:	16251885
Application Number:	16253726
Application Number:	16253771
Application Number:	16253798
Application Number:	16320162
Application Number:	16883358
Application Number:	61604613
Application Number:	62040632
Application Number:	62271428
Application Number:	62366281
Application Number:	62366291
Application Number:	62840376

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Property Type	Number
Application Number:	62841030
Application Number:	62855281
Application Number:	62874224
Application Number:	62901623

CORRESPONDENCE DATA

Fax Number: (415)576-0300

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.

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Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/APPLE

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ATTORNEY DOCKET NUMBER: 102267-1201514

NAME OF SUBMITTER: PATRICIA CALDWELL

SIGNATURE: /Patricia Caldwell/

DATE SIGNED: 04/02/2021

Total Attachments: 14

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ASSIGNMENT AGREEMENT

This Assignment Agreement (this "Agreement"), effective as of the execution date written below, is made by **Mobeewave Systems ULC** ("Assignor"), a Canadian unlimited liability corporation with a mailing address of Suite 1700, Park Place, 666 Burrard Street, Vancouver, British Columbia, V6C 2X8, Canada, in favor of **Apple Inc.** ("Assignee"), a California corporation, having a principal place of business at One Apple Park Way, Cupertino, California 95014, United States of America.

W I T N E S S E T H:

WHEREAS, Assignor has developed certain technology and owns certain intellectual property rights therein and thereto.

WHEREAS, Assignor desires to transfer to Assignee, and Assignee desires to accept, the Patent Rights (as hereinafter defined).

NOW, THEREFORE, in consideration of the mutual covenants contained herein, and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby agrees as follows:

1. Assignment of Patent Rights. Assignor does hereby assign, grant, transfer, contribute and deliver to Assignee the full, exclusive and entire right, title, and interest in and to (a) the patent(s) and/or patent application(s) listed on Schedule A attached hereto, (b) any divisions, continuations, continuations-in-part, renewals and reissues thereof, (c) all inventions and improvements disclosed and described therein, (d) any corresponding (in whole or in part) future United States or non-United States patents and patent applications, (e) the right to claim any applicable priority rights arising from the scheduled patents or patent applications or otherwise required for said corresponding future United States or non-United States patents and patent applications under the terms of any applicable conventions, treaties, statutes, or regulations, and (f) all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter including, but not limited to, the right to sue for, collect, and retain damages for past infringement of the said Patents and Applications before or after issuance (collectively, the "Patent Rights"). Assignor hereby requests the Commissioner for Patents to issue any and all patents included in the Patent Rights to Assignee, as the assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

2. Further Assurances. Assignor agrees without any additional consideration therefor to sign all documents, execute all divisional, continuing, renewal, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said Patent Rights in all applicable countries throughout the world.

3. Successors and Assigns. The terms and provisions of this Agreement and the respective rights and obligations of Assignor and Assignee hereunder shall be binding upon, and inure to the benefit of, their respective successors and assigns.

Signature Page Follows
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4. Recordings. An executed copy of this Agreement may be filed with the United States Patent and Trademark Office or in the patent office of any other country or region, as applicable, by Assignee or Assignor at any time.

5. Governing Law. This Agreement is governed by the laws of the State of California, without application of choice of laws principles thereof.

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IN WITNESS WHEREOF, Assignor has caused this Agreement to be executed and delivered
as of the execution date written below.

Mobeevave Systems ULC, Assignor

By: 
Name: K. Campbell
Title: Director

Execution Date: 27 March 2021

Apple Inc., Assignee

By: 
Name: Jeffrey L. Myers
Title: Chief IP Counsel

Execution Date: 31 March 2021

* * * *

Schedule A

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50843ATI	AT	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	16881348.3	Dec 1, 2016	3381003
P50841AUI	AU	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2013225577	Feb 28, 2013	2013225577
P50841AUD1	AU	Allowed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2018256522	Feb 28, 2013	2018256522
P50841AUD2	AU	Unfiled	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE		Estimated Filing Date is Mar 3, 2021	
P50843AUI	AU	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	2016380914	Dec 1, 2016	2016380914

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50844AU1	AU	Published	SYSTEM FOR AND METHOD OF AUTHENTICATING A COMPONENT OF AN ELECTRONIC DEVICE	2017304128	Jul 21, 2017	
P50841BR1	BR	Closed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	BR1120140207755	Feb 28, 2013	
P50841CA1	CA	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2,860,987	Feb 28, 2013	2,860,987
P50841CAD1	CA	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2,881,429	Feb 28, 2013	2,881,429
P50843CA1	CA	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	3,008,571	Dec 1, 2016	3,008,571
P50843CH1	CH	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	168813483	Dec 1, 2016	3381003

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50841CN1	CN	Allowed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	201380011751.7	Feb 28, 2013	ZL201380011751.7
P50841CND1	CN	Unified	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE		Estimated Filing Date is Apr 9, 2021	
P50843CN1	CN	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	201680076779.2	Dec 1, 2016	
P50843DE1	DE	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	168813483	Dec 1, 2016	602016029846.5
P50841EP1	EP	Allowed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	137544656	Feb 28, 2013	
P50843EP1	EP	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	168813483	Dec 1, 2016	3381003

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50844EP1	EP	Published	SYSTEM FOR AND METHOD OF AUTHENTICATING A COMPONENT OF AN ELECTRONIC DEVICE	178336624	Jul 21, 2017	
P50843GB1	GB	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	168813483	Dec 1, 2016	3381003
P50841ID1	ID	Closed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	P00201405849	Feb 28, 2013	
P50843IE1	IE	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	168813483	Dec 1, 2016	3381003
P50841IN1	IN	Published	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2017/KOLNP/2014	Feb 28, 2013	
P50841JP1	JP	Closed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2014-559044	Feb 28, 2013	

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50841KR1	KR	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	10-2014-7027322	Feb 28, 2013	10-2088451
P50841KRD1	KR	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	10-2020-7006772	Feb 28, 2013	10-2130726
P50841KRD2	KR	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	10-2020-7018882	Feb 28, 2013	10-2158055
P50843KR1	KR	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	10-2018-7021849	Dec 1, 2016	
P50841RU1	RU	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	2014138935	Feb 28, 2013	2639690
P50843SE1	SE	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	16/881,3483	Dec 1, 2016	3381003

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50840US1	US	Closed	METHOD AND SYSTEM FOR MANAGING A DEVICE WITH A SECURE ELEMENT USED AS A PAYMENT TERMINAL	14/305,426	Jun 16, 2014	
P50841US1	US	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	14/371,828	Feb 28, 2013	9,892,403
P50841USC1	US	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	15/861,963	Jan 4, 2018	10,558,971
P50841USC2	US	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/251,827	Jan 18, 2019	10,504,101
P50841USC3	US	Issued	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/251,885	Jan 18, 2019	10,504,102

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50841USC4	US	Published	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/253,726	Jan 22, 2019	
P50841USC5	US	Published	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/253,798	Jan 22, 2019	
P50841USC6	US	Published	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/883,358	May 26, 2020	
P50841USP1	US	Closed	SYSTEM AND METHOD FOR CONDUCTING A SECURED TRANSACTION ON A DEVICE	61/604,613	Feb 29, 2012	
P50841USX1	US	Published	METHOD, DEVICE, ADD-ON AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	14/261,763	Apr 25, 2014	

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50841USXC1	US	Published	METHOD, DEVICE, ADD-ON AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	16/253,771	Jan 22, 2019	
P50842US1	US	Issued	METHOD AND DEVICE FOR CONTROLLING ACCESS FROM THE DEVICE TO A CARD VIA A NFC INTERFACE	15/503,743	Aug 21, 2015	9,977,890
P50842USP1	US	Closed	METHOD AND DEVICE FOR CONTROLLING ACCESS FROM THE DEVICE TO A CARD VIA A NFC INTERFACE	62/040,632	Aug 22, 2014	
P50843US1	US	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	16/061,743	Dec 1, 2016	
P50843USP1	US	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	62/271,428	Dec 28, 2015	
P50844US1	US	Published	SYSTEM FOR AND METHOD OF AUTHENTICATING A COMPONENT OF AN ELECTRONIC DEVICE	16/320,162	Jul 21, 2017	

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50844USP1	US	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A COMPONENT OF AN ELECTRONIC DEVICE	62/366,281	Jul 25, 2016	
P50845US1	US	Pending	SYSTEM AND METHOD OF OPERATING A MODULAR PAYMENT APPLICATION ON A SYSTEM	15/657,351	Jul 24, 2017	
P50845USP1	US	Closed	SYSTEM AND METHOD OF OPERATING A MODULAR PAYMENT APPLICATION ON A SYSTEM	62/366,291	Jul 25, 2016	
P50846USP1	US	Closed	SYSTEM AND METHOD OF OPERATING A SECURE CONTACTLESS TRANSACTION	62/840,376	Apr 29, 2019	
P50846USP2	US	Closed	SYSTEM AND METHOD OF OPERATING A SECURED TRANSACTION	62/841,030	Apr 30, 2019	
P50846USP3	US	Closed	SYSTEM AND METHOD OF OPERATING A SECURE CONTACTLESS TRANSACTION	62/874,224	Jul 15, 2019	
P50846USP4	US	Closed	SYSTEM AND METHOD OF OPERATING A SECURE CONTACTLESS TRANSACTION	62/901,623	Sep 17, 2019	

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50847USP1	US	Closed	SYSTEM AND METHOD OF OPERATING A CONSUMER DEVICE AS A POINT OF SALE DEVICE	62/855,281	May 31, 2019	
P50841WO1	WO	Closed	METHOD, DEVICE AND SECURE ELEMENT FOR CONDUCTING A SECURED FINANCIAL TRANSACTION ON A DEVICE	PCT/CA2013/000185	Feb 28, 2013	
P50842WO1	WO	Closed	METHOD AND DEVICE FOR CONTROLLING ACCESS FROM THE DEVICE TO A CARD VIA A NFC INTERFACE	PCT/CA2015/000472	Aug 21, 2015	
P50843WO1	WO	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A USER ON A DEVICE	PCT/IB2016/057249	Dec 1, 2016	
P50844WO1	WO	Closed	SYSTEM FOR AND METHOD OF AUTHENTICATING A COMPONENT OF AN ELECTRONIC DEVICE	PCT/IB2017/054441	Jul 21, 2017	
P50846WO1	WO	Published	SYSTEM AND METHOD OF OPERATING A SECURE CONTACTLESS TRANSACTION	PCT/IB2020/054049	Apr 29, 2020	

APPLE REF#	COUNTRY	STATUS	TITLE	APPLICATION NO.	FILING DATE	PATENT NO.
P50847WO1	WO	Published	SYSTEM AND METHOD OF OPERATING A CONSUMER DEVICE AS A PAYMENT DEVICE	PCT/IB2020/055136	May 29, 2020	

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