# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4619074

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Chun-Yuan Yang	09/06/2017
DARIN TAY	09/13/2017
Wei Kong	09/06/2017

# **RECEIVING PARTY DATA**

Name:	Apple Inc.
Street Address:	1 Infinite Loop
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014-2094

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15710577

# **CORRESPONDENCE DATA**

**Fax Number:** (877)769-7945

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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Address Line 2: P.O.BOX 1022

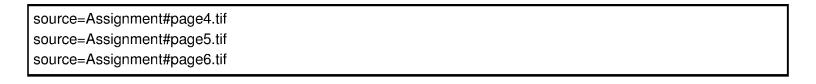
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	18962-0992001	
NAME OF SUBMITTER:	ORTALYAH BUTLER	
SIGNATURE:	/Ortalyah Butler/	
DATE SIGNED:	09/29/2017	

## **Total Attachments: 6**

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PATENT 504572364 REEL: 043738 FRAME: 0341



PATENT REEL: 043738 FRAME: 0342

## **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Chun-Yuan Yang, Darin Tay, Wei Kong, hereby sell, assign, and transfer to Apple Inc. (CALIFORNIA corporation), having offices located at 1 Infinite Loop, Cupertino, California 95014-2094, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

#### HEALING A RADIO MAP

CITICI VVII	ion is ioui	110 111	
(a)	П	U.S. patent application executed	f on, entitled as above, listing the above named persons as Inventors.
(b)		U.S. patent application filed on ☑ under Application No. ☐ with Express Mail No.	9/20/2017 15/710,577 (Application Number not yet known).
(c)	П	LLS Patent No : issued	

and which is found in

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

ASSIGNORS further covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly upon the request of ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may be known and accessible to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding relating thereto and promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS request the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

Executed this	Signature of Inventor
6 day of 9 20 17	Chun-Yuan Yang
Executed this	Signature of Inventor
day of	Darin Tay
Executed this	Signature of Inventor
day of20	Wei Kong

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Executed this		Signature of Inventor
day of	, 20	Chun-Yuan Yang
Executed this		Signature of Inventor
13day of	September <sub>, 20</sub> 17	Darin Tay
Executed this		Signature of Inventor
day of		Wei Kong

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Executed this		Signature of inventor
day of	20	Chon-Yuan Yang
Executed this		Signature of inventor
day of		Darin Tay
Executed this		Signature of Inventor
<u>Ath</u> day of	<u> 542 20_17</u>	Wei Kong

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Assignment Page 2 of 2

PATENT REEL: 043738 FRAME: 0348