

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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HONGFEI HU	07/13/2017
HAN WANG	07/16/2017
ERDINC IRCI	07/13/2017
ERICA J. TONG	07/13/2017
MATTHEW A. MOW	07/13/2017
MING-JU TSAI	07/13/2017
LIANG HAN	07/13/2017
GEORGIOS ATMATZAKIS	07/13/2017
MATTIA PASCOLINI	07/13/2017
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State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15655660
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NAME OF SUBMITTER:	SOPHIA PARMENTER
SIGNATURE:	/Sophia Parmenter/
DATE SIGNED:	07/25/2017
Total Attachments: 4 source=P33358US1_Assignment#page1.tif source=P33358US1_Assignment#page2.tif source=P33358US1_Assignment#page3.tif source=P33358US1_Assignment#page4.tif	

A S S I G N M E N T

WHEREAS, We, Enrique Ayala Vazquez, Nanbo Jin, Hongfei Hu, Han Wang, Erdinc Irci, Erica J. Tong, Matthew A. Mow, Ming-Ju Tsai, Liang Han, Georgios Atmatzakis, and Mattia Pascolini, residing respectively in Watsonville, California, Milpitas, California, Santa Clara, California, Cupertino, California, Sunnyvale, California, Pacifica, California, Los Altos, California, Sunnyvale, California, Sunnyvale, California, Cupertino, California, and San Francisco, California, have made an invention entitled:

ADJUSTABLE MULTIPLE-INPUT AND MULTIPLE-OUTPUT ANTENNA
STRUCTURES

and

(1) are about to make an application for United States Letters Patent therefor, the same having been executed by us on even date herewith

OR

(2) have made an application for United States Letters Patent therefor, the same having been filed on (_____) under Application No. (_____), in connection with which we hereby authorize and request the assignee's attorneys associated with Customer Number 65015 to insert within the foregoing parentheses the filing date and Application No. of said application when known; and

WHEREAS, APPLE INC., a corporation organized and existing under the laws of the State of California and having an address of 1 Infinite Loop, Cupertino, California

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95014, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said APPLE INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APPLE INC. as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of

the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

7/13/2017
Date
Enrique Ayala
Enrique Ayala Vazquez

7/13/2017
Date
Nanbo Jin
Nanbo Jin

7/13/2017
Date
Hongfei Hu
Hongfei Hu

7/16/2017
Date
Han Wang
Han Wang

7/13/2017
Date
Erdinc Irci
Erdinc Irci

7/13/2017
Date
Erica J. Tong
Erica J. Tong

7/13/2017
Date
Matthew A. Mow
Matthew A. Mow

7/13/2017
Date
Ming-Ju Tsai
Ming-Ju Tsai

7/13/2017
Date
Liang Han
Liang Han

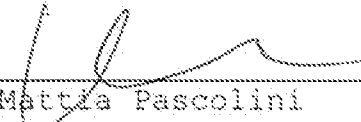
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7/13/2012
Date



Georgios Atmatzakis

7/13/2012
Date



Mattia Pascolini