

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5183867

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BILGEHAN AVSER	09/27/2018
HARISH RAJAGOPALAN	09/28/2018
SIMONE PAULOTTO	09/27/2018
JENNIFER M. EDWARDS	09/27/2018
HAO XU	09/27/2018
RODNEY A. GOMEZ ANGULO	09/27/2018
MATTHEW A. MOW	09/28/2018
MATTIA PASCOLINI	09/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLE INC.
<b>Street Address:</b>	ONE APPLE PARK WAY
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16146649
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)837-0651
<i>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.</i>	
<b>Email:</b>	valalos@trezlawgroup.com
<b>Correspondent Name:</b>	VICTORIA AVALOS
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<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94102
<b>ATTORNEY DOCKET NUMBER:</b>	P38677US1
<b>NAME OF SUBMITTER:</b>	VICTORIA AVALOS
<b>SIGNATURE:</b>	/Victoria Avalos/
<b>DATE SIGNED:</b>	10/11/2018

**Total Attachments: 4**

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A S S I G N M E N T

WHEREAS, We, Bilgehan Avser, Harish Rajagopalan, Simone Paulotto, Jennifer M. Edwards, Hao Xu, Rodney A. Gomez Angulo, Matthew A. Mow, and Mattia Pascolini, residing respectively in Mountain View, California, San Jose, California, Redwood City, California, San Francisco, California, Cupertino, California, Santa Clara, California, Los Altos, California, and San Francisco, California, have made an invention entitled:

ELECTRONIC DEVICE HAVING DUAL-BAND ANTENNAS MOUNTED AGAINST  
A DIELECTRIC LAYER

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 One Apple Park Way, Cupertino, California 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.

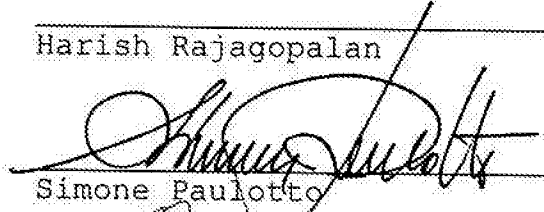
9/27/2018  
Date

  
Bilgehan Avser


\_\_\_\_\_  
Date

\_\_\_\_\_  
Harish Rajagopalan

9/27/2018  
Date

  
Simone Paulotto

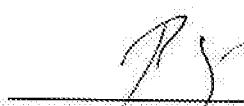
9/27/2018  
Date

  
Jennifer M. Edwards

9/27/2018  
Date

  
Hao Xu

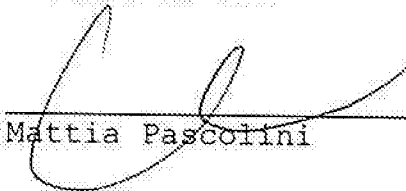
9/27/2018  
Date

  
Rodney A. Gomez Angulo

9/28/2018  
Date

  
Matthew A. Mow


9/27/2018  
Date

  
Mattia Pascolini

P38677US1

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.

_____ Date	_____ Bilgehan Avser
09-28-18	
_____ Date	_____ Harish Rajagopalan
_____ Date	_____ Simone Paulotto
_____ Date	_____ Jennifer M. Edwards
_____ Date	_____ Hao Xu
_____ Date	_____ Rodney A. Gomez Angulo
_____ Date	_____ Matthew A. Mow
_____ Date	_____ Mattia Pascolini