

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2655353

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HUARUI LIANG</td> <td>12/08/2013</td> </tr> <tr> <td>TARIK TABET</td> <td>12/09/2013</td> </tr> <tr> <td>DAWEI ZHANG</td> <td>12/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	HUARUI LIANG	12/08/2013	TARIK TABET	12/09/2013	DAWEI ZHANG	12/09/2013
Name	Execution Date								
HUARUI LIANG	12/08/2013								
TARIK TABET	12/09/2013								
DAWEI ZHANG	12/09/2013								
RECEIVING PARTY DATA									
Name:	APPLE INC.								
Street Address:	1 INFINITE LOOP								
City:	CUPERTINO								
State/Country:	CALIFORNIA								
Postal Code:	95014								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14094327</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14094327				
Property Type	Number								
Application Number:	14094327								
CORRESPONDENCE DATA									
Fax Number:	(212)619-0276								
Phone:	212-619-6000								
Email:	info@fkmiplaw.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	APPLE INC. -- FKM								
Address Line 1:	150 BROADWAY								
Address Line 2:	SUITE 702								
Address Line 4:	NEW YORK, NEW YORK 10038								
ATTORNEY DOCKET NUMBER:	30134/08701(P21862US1)								
NAME OF SUBMITTER:	MICHAEL J. MARCIN								
Signature:	/Michael J. Marcin/								

Date:

12/19/2013

Total Attachments: 5

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ASSIGNMENT

WHEREAS, I/We,

Huarui Liang

Tarik Tabet

and

Dawei Zhang

(hereinafter also referred to as "ASSIGNOR"); have invented new and useful inventions and discoveries in "**Systems and Methods for Carrier Aggregation Deployment and Organization in Unlicensed Bands**", for which the Specification was filed on December 2, 2013 and assigned Serial No. 14/094,327; and

WHEREAS, **APPLE Inc.**, a California Corporation having an office at 1 Infinite Loop, Mail Stop 302-1NS, Cupertino, CA 95014, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, in consideration of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, reexamination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

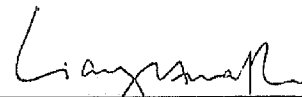
4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

Attorney Docket No. 30134/08701 (P21862US1)

IN TESTIMONY WHEREOF, I have hereunto set my hands and seals this 8 day of


Dec., 2013 .



Huarui LIANG

IN TESTIMONY WHEREOF, I have hereunto set my hands and seals this 9th day of

December, 2013 .

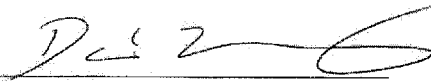


Tarik TABET

Attorney Docket No. 30134/08701 (P21862US1)

IN TESTIMONY WHEREOF, I have hereunto set my hands and seals this 9th day of

December, 2013.


Dawei ZHANG