

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Amir MAYBLUM	07/08/2011
Ye HUANG	07/07/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Cellco Partnership d/b/a Verizon Wireless
<b>Street Address:</b>	One Verizon Way,
<b>City:</b>	Basking Ridge
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07920-1097
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13184119
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)756-8087
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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<b>Address Line 1:</b>	600 13TH STREET, N.W.
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20005-3096
<b>ATTORNEY DOCKET NUMBER:</b>	050108-0519
<b>NAME OF SUBMITTER:</b>	Keith E. George
<b>Total Attachments: 5</b> source=0501080519assigntransmittal#page1.tif source=0501080519assignment#page1.tif source=0501080519assignment#page2.tif source=0501080519assignment#page3.tif source=0501080519assignment#page4.tif	


CH \$40.00 13184119

RECORDATION FORM COVER SHEET

**Docket No.: 050108-0519**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p><b>1. Name of Conveying Party(ies)</b>  <b>Amir MAYBLUM, Ye HUANG</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><b>2. Name and address of receiving party(ies)</b>  Name: <b>Cellco Partnership d/b/a Verizon Wireless</b>  Internal Address:</p> <p>Address: <b>One Verizon Way,  Basking Ridge, NJ 07920-1097</b></p>
<p><b>3. Nature of Conveyance/Execution Date(s)</b>  Execution Date(s): <b>July 8, 2011 and July 7, 2011 respectively</b></p> <p><input checked="" type="checkbox"/> Assignment <span style="margin-left: 150px;"><input type="checkbox"/> Merger</span>  <input type="checkbox"/> Security Agreement <span style="margin-left: 150px;"><input type="checkbox"/> Change of Name</span>  <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License</p>	<p><input checked="" type="checkbox"/> This document is being filed together with a new application.  B. Patent No(s).</p>
<p><b>4. Application or patent number(s):</b>  A. Patent Application No(s).</p>	<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b>  Name: <b>MCDERMOTT WILL &amp; EMERY LLP</b>  Internal Address:</p> <p>Street Address: <b>600 13th Street, N.W.</b></p> <p>City: <b>Washington, DC</b> State: <b>DC</b> Zip: <b>20005-3096</b>  D.C.</p> <p>Phone Number: <b>202.756.8000</b>  Fax Number: <b>202.756.8087</b>  Email Address:</p>
<p><b>6. Total number of applications and patents involved:</b></p>	<p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) <span style="float:right">\$40.00</span></b></p> <p><input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p>
<p><b>9. Signature.</b>  <b>Keith E. George 34,111</b></p>	<p><b>8. Payment Information:</b></p> <p>a. Credit Card Last 4 Numbers _____  Expiration Date _____</p> <p>b. Deposit Account Number <u>500417</u>  Authorized User Name _____</p>
<p>Name and Registration No. of Person Signing</p>	<p align="center"></p> <p align="center">Signature</p>
<p>Date <b>July 15, 2011</b></p>	
<p>Total number of pages including cover sheet, attachments and documents: <b>5</b></p>	

Docket No.: 050108-0519

ASSIGNMENT

WHEREAS We (Assignors), Amir MAYBLUM of 3576 Citrus Ave., Walnut Creek, CA 94598; and Ye HUANG of 260 Summerford Cr., San Ramon, CA 94583, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ENCRYPTION AND AUTHENTICATION OF COMMUNICATIONS AND CONTENT PAYLOAD OVER EXISTING NETWORKS, executed and filed concurrently herewith;

AND WHEREAS, Celco Partnership d/b/a Verizon Wireless, a partnership of the State of Delaware and having an address of One Verizon Way, Basking Ridge, NJ 07920-1097 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Celco Partnership d/b/a Verizon Wireless (Assignee), its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said Assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of Assignor and Assignee;

AND We hereby grant the Assignee, its successors, legal representatives and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND We hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Celco Partnership d/b/a Verizon Wireless, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

7/8/2011  
Date

[Signature]  
Amir MAYBLUM

7/7/2011  
Date

[Signature]  
Ye HUANG

STATE OF California )  
COUNTY OF Contra Costa ) SS:

SEE ATTACHED  
NOTARY DOCUMENT

On this 8th day of July, 2011, before me personally appeared Amir MAYBLUM, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[Signature]  
Notary Public

SEAL

My commission expires 9/3/2014

\* \* \* \* \*

STATE OF California )  
COUNTY OF Contra Costa ) SS:

On this 7th day of July, 2011, before me personally appeared Ye HUANG, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[Signature]  
Notary Public

SEAL

My commission expires 9/3/2014

[END OF ASSIGNMENT]

SEE ATTACHED  
NOTARY DOCUMENT

**ACKNOWLEDGMENT**

State of California  
County of CONTRA COSTA )

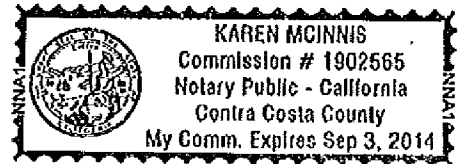
On 7/7/2011 before me, KAREN MCINNIS, NOTARY PUBLIC  
(Insert name and title of the officer)

personally appeared YE HUANG  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Karen McInnis (Seal)



# ACKNOWLEDGMENT

State of California  
County of CONTRA COSTA )

On 7/8/2011 before me, KAREN MCINNIS, NOTARY PUBLIC  
(insert name and title of the officer)

personally appeared AMIR MAYBLUM  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Karen McInnis (Seal)

