

09-26-2008



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To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.  1. Name of Conveying Party(ies) Shife ZHANG, Brandie ROBERTS   C - 23 \cdot 0   Virial Party   Virial P	Docket No.: 050108-0217 103527026			
Shilei ZHANG, Brandie ROBERTS  G - 23 · 0 {  Additional name(s) of conveying party(ies) attached?		ecord the attached documents or the new address(es) below.		
Additional name(s) of conveying party(ies) attached? \  Yes \  No  3. Nature of Conveyance/Execution Date(s)  Execution Date(s): September 17, 2008 and September 16, 2008 respectively  Assignment	1. Name of Conveying Party(ies)	2. Name and address of receiving party(ies)		
Internal Address:   Additional name(s) of conveying party(ies) attached?   Yes   No	Shilei ZHANG, Brandie ROBERTS	Name: CELLCO PARTNERSHIP d/b/a VERIZON		
Internal Address:   Additional name(s) of conveying party(ies) attached?   Yes   No	9-23.08	WIRELESS		
Address: One Verizon Way, Basking Ridge, NJ 07920- 1097    Execution Date(s):   September 17, 2008 and September 16, 2008 respectively   Assignment   Merger   Change of Name   Joint Research Agreement   Change of Name   Additional name(s) & address(es) attached?   Yes   No		Internal Address:		
Execution Date(s): September 17, 2008 and September 16, 2008 respectively  Assignment	Additional name(s) of conveying party(ies) attached? Yes No			
Assignment	3. Nature of Conveyance/Execution Date(s)			
Assignment	Execution Date(s): September 17, 2008 and September 16,			
Security Agreement	2008 respectively			
Joint Research Agreement   Government Interest Assignment   Executive Order 9424, Confirmatory License   Other	★ Assignment			
Government Interest Assignment  Executive Order 9424, Confirmatory License Other  4. Application or patent number(s):  Additional numbers attached?  This document is being filed together with a new application.  B. Patent No(s).  Additional numbers attached?  Yes No  6. Total number of applications and patents involved:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address:  Street Address:  600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  Phone Number: 202.756.8000  Phone Number: 202.756.8087  Email Address:  a. Credit Card Last 4 Numbers Expiration Date  b. Deposit Account Number 500417  Authoryzs 12888 19878;  48.80 DA  9. Signature.  Keith E. George 34,111  Signature  Signature  Signature  Signature  Additional name(s) & address(es) attached? Yes No Additional name(s) & address(es) attached? Nes No end attached? No e	Security Agreement Change of Name			
Additional name(s) & address(es) attached?	☐ Joint Research Agreement			
Additional name(s) & address(es) attached?	Government Interest Assignment			
A Application or patent number(s):  A. Application No. 12/129,385 filed on May 29, 2008  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  Phone Number: 202.756.8000  Fax Number: 202.756.8087  Email Address:  B. Patent No(s).  Additional numbers attached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(n) & 3.41) \$40.00  Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Payment Information:  a. Credit Card Last 4 Numbers Expiration Date  b. Deposit Account Number 500417  Authoryzes, 2608 Natrage 8088884 560417 12123385  81 FC:8021 46.80 DA  September 23, 2008  Signature.  Signature Date	Executive Order 9424, Confirmatory License			
A. Application No. 12/129,385 filed on May 29, 2008  B. Patent No(s).  Additional numbers attached?  No  5. Name and address to whom correspondence concerning document should be mailed:  Name: MCDERMOTT WILL & EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  Phone Number: 202.756.8000  Fax Number: 202.756.8087  Email Address:  Email Address:  B. Patent No(s).  6. Total number of applications and patents involved:  7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00  Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Payment Information:  a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 500417 Authorized Physics Signing  9. Signature.  Keith E. George 34,111  September 23, 2008  Signature Date	Other	Additional name(s) & address(es) attached?  Yes  No		
Additional numbers attached?	4. Application or patent number(s):	This document is being filed together with a new application.		
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Street Address: 600 13th Street, N.W.  City: Washington State: D. C. Zip: 20005-3096  Phone Number: 202.756.8000  Fax Number: 202.756.8087  Email Address:  Email Address:  Email Address:  Beginnature.  Keith E. George 34,111  Authory/35/2688 bar Signature  Keith E. George 34,111  Authory/35/2688 Signature  Date	Name: MCDERMOTT WILL & EMERY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00		
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Docket No.: 050108-0217

## **ASSIGNMENT**

WHEREAS We, Shilei Zhang and Brandie Roberts of 3160 Oak Road, #314, Walnut Creek, CA 94597 and 1422 Holly Street, Berkeley, CA 94703, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled OPTIMIZED MMS ARCHITECTURE FOR APPLICATION-TO-PERSON AND PERSON-TO-APPLICATION MESSAGING, for which an application for United States Letters Patent was filed on May 29, 2008, and identified by United States Serial No. 12/129,385;

AND WHEREAS, Cellco 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 Cellco 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 Cellco 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.

9/17/2008 Date 01 (2008)

1110 2008

Date

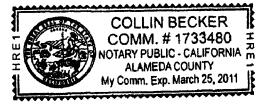
PATENT REEL: 021593 FRAME: 0685

## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT State of California County of CONTRA COSTA 09 - 17 - 2508 before me, LAHAMBER SINGH DHANDA, NOTARY Here insert Name and Title of the Officer personally appeared \_\_\_\_\_ 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 LAHAMBER SINGH DHANDA which the person(s) acted, executed the instrument. Commission # 1576444 Notary Public - California I certify under PENALTY OF PERJURY under the laws Contra Costa County My Comm. Expires May 6, 2009 of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature <u>d'ahamles</u> Place Notary Seal Above · OPTIONAL — Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: #SS/GNMGN7 Document Date: 09-17-200\$ Number of Pages: 2 Signer(s) Other Than Named Above: \_ Capacity(ies) Claimed by Signer(s) Signer's Name: SHILEI ZHANG Signer's Name:\_\_\_\_\_ ☐ Individual Individual ☐ Corporate Officer — Title(s): \_\_ ☐ Corporate Officer — Title(s): \_ □ Partner — □ Limited □ General □ Partner — □ Limited □ General OF SIGNER ☐ Attorney in Fact ☐ Attorney in Fact Top of thumb here Top of thumb here ☐ Trustee ☐ Trustee ☐ Guardian or Conservator ☐ Guardian or Conservator ☐ Other: \_\_\_ Signer Is Representing: Signer Is Representing: Su

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STATE OF	) ) SS:		
COUNTY OF	,		
Shilei Zhang, to me	known to be the pers	son named in and who e se same for the uses and pu	, before me personally appeared xecuted the above instrument, and rposes therein set forth.
SEAL	Not	tary Public	
	Му	commission expires	
STATE OF <u>Cali</u>	forata) lameda)ss:		
On this On On this	day of Septeme known to be the pe	erson named in and who he same for the uses and pu	, before me personally appeared executed the above instrument, and rposes therein set forth.
		On 75	
SEAL	Not	tary Public	



PATENT REEL: 021593 FRAME: 0687

**RECORDED: 09/23/2008**