

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Iftekhhar RAHMAN | 12/15/2010 |
| Kala NARAYANAN | 12/16/2010 |
| RECEIVING PARTY DATA | |
| Name: | Cellco Partnership d/b/a Verizon Wireless |
| Street Address: | One Verizon Way, |
| City: | Basking Ridge |
| State/Country: | NEW JERSEY |
| Postal Code: | 07920-1097 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12982462 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)756-8087 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 202-756-8000 |
| Email: | Kadkins@mwe.com |
| Correspondent Name: | MCDERMOTT WILL & EMERY LLP |
| Address Line 1: | 600 13TH STREET, N.W. |
| Address Line 4: | WASHINGTON, DISTRICT OF COLUMBIA 20005-3096 |
| ATTORNEY DOCKET NUMBER: | 050108-0436 |
| NAME OF SUBMITTER: | Keith E. George |
| <p>Total Attachments: 5</p> <p>source=0501080436assignment#page1.tif</p> <p>source=0501080436assignment#page2.tif</p> <p>source=0501080436assignment#page3.tif</p> | |

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RECORDATION FORM COVER SHEET

Docket No.: 050108-0436

PATENTS ONLY

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)

Iftekhar RAHMAN, Kala NARAYANAN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): **December 15, 2010 and December 16, 2010 respectively**

- | | |
|---------------------------------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | |
| <input type="checkbox"/> Government Interest Assignment | |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |

2. Name and address of receiving party(ies)

Name: **Cellco Partnership d/b/a Verizon Wireless**

Internal Address:

Address: **One Verizon Wireless,
Basking Ridge, NJ 07920-1097**

4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new application.

B. Patent No(s).

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: **DC** Zip: **20005-3096**
D.C.

Phone Number: **202.756.8000**

Fax Number: **202.756.8087**

Email Address:

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 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**

Authorized User Name _____

9. Signature.

Keith E. George 34,111

Keith E. George

December 30, 2010

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: **5**

Docket No.: 050108-0436

ASSIGNMENT

WHEREAS We (Assignor), Iftekhhar RAHMAN of 72 Crimson Road, Billerica, MA 01821 and Kala NARAYANAN of 185 Hana Road, Edison, NJ 08817 have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled OPTIMIZING PERFORMANCE OF MULTIPLE LOCATION BASED SERVICE APPLICATIONS THAT ARE RUNNING EITHER ALONE OR SIMULTANEOUSLY ON A WIRELESS DEVICE, 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.

Dec. 15, 2010
Date

Iftikhar Rahman
Iftikhar RAHMAN

Date

Kala NARAYANAN

STATE OF MA)
COUNTY OF MIDDLESEX) SS:

On this 14th day of DECEMBER, 2010, before me personally appeared Iftikhar RAHMAN, 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.

SEAL

Roshna M. Soni
Notary Public

My commission expires 10/10/2014.

STATE OF _____)
COUNTY OF _____) SS:



ROSHNA SONI
Notary Public
Commonwealth of Massachusetts
My Commission Expires 10/10/2014

On this _____ day of _____, 20____, before me personally appeared Kala NARAYANAN, 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.

SEAL

Notary Public

My commission expires _____

Docket No.: 050108-0436

ASSIGNMENT

WHEREAS We (Assignor), Iftekhar RAHMAN of 72 Crimson Road, Billerica, MA 01821 and Kala NARAYANAN of 185 Hana Road, Edison, NJ 08817 have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled OPTIMIZING PERFORMANCE OF MULTIPLE LOCATION BASED SERVICE APPLICATIONS THAT ARE RUNNING EITHER ALONE OR SIMULTANEOUSLY ON A WIRELESS DEVICE, 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.

Date

12/16/10

Date

Iftekhar RAHMAN

Kala NARAYANAN

STATE OF _____)

) SS:

COUNTY OF _____)

On this _____ day of _____, 20____, before me personally appeared Iftekhar RAHMAN, 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.

SEAL

Notary Public

My commission expires _____

STATE OF New Jersey)COUNTY OF Essex) SS:

On this 16th day of December, 2010, before me personally appeared Kala NARAYANAN, 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.

SEAL

Notary Public

Anne M. Hughes
My commission expires State of New Jersey Notary Publ.
My commission expires 4/25/2011
ID #2026606