

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4779343

|   |   |
|---|---|
| <b>SUBMISSION TYPE:</b>   | CORRECTIVE ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | Corrective Assignment to correct the ASSIGNEE OF 3RD, 6TH AND 7TH INVENTORS; SPELLING OF THE 6TH INVENTOR'S 1ST NAME AND TO ADD OMITTED 8TH INVENTOR previously recorded on Reel 039607 Frame 0635. Assignor(s) hereby confirms the ASSIGNMENT. |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>   |
| UMA V. RAMAN  | 03/14/2013  |
| ERIC R. KOOB  | 03/14/2013  |
| PAUL M. DECKER  | 03/13/2013  |
| STEVEN MANCUSO  | 03/14/2013  |
| SATISH KUMAR HOSANAGARA   | 03/14/2013  |
| SHASHI NEELAKANTAN  | 03/14/2013  |
| BILAL WAHID   | 03/15/2013  |
| WILLIAM D. VERSEN   | 08/29/2013  |
| <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   |
| <b>Name:</b>  | VERIZON PATENT AND LICENSING INC.   |
| <b>Street Address:</b>  | ONE VERIZON WAY   |
| <b>City:</b>  | BASKING RIDGE   |
| <b>State/Country:</b>   | NEW JERSEY  |
| <b>Postal Code:</b>   | 07920   |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| Application Number:   | 13843605  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (703)351-3665   |
| <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>Phone:</b>   | 703-351-3579  |

PATENT

**Email:** eddy.valverde@verizon.com  
**Correspondent Name:** VERIZON PATENT MANAGEMENT GROUP  
**Address Line 1:** 1320 N. COURTHOUSE ROAD  
**Address Line 2:** 9TH FLOOR  
**Address Line 4:** ARLINGTON, VIRGINIA 22201

**ATTORNEY DOCKET NUMBER:** 20120934

**NAME OF SUBMITTER:** JOSEPH R. PALMIERI

**SIGNATURE:** /JOSEPH R. PALMIERI, REG. NO. 40,760/

**DATE SIGNED:** 01/17/2018

**Total Attachments: 18**

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4033588

|   |   |
|---|---|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                            |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                     |
| UMA V RAMAN   | 03/14/2013                                |
| ERIC R KOOB   | 03/14/2013                                |
| PAUL M DECKER   | 03/13/2013                                |
| STEVEN MANCUSO  | 03/14/2013                                |
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| BILAL WAHID   | 03/15/2013                                |
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| <b>Name:</b>  | CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS |
| <b>Street Address:</b>  | ONE VERIZON WAY                           |
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| <b>Phone:</b>   | (202) 559-9159                            |
| <b>Email:</b>   | khadem@novotechip.com                     |
| <b>Correspondent Name:</b>  | AZADEH KHADEM                             |
| <b>Address Line 1:</b>  | 1717 PENNSYLVANIA AVENUE, SUITE 1025      |
| <b>Address Line 4:</b>  | WASHINGTON, D.C. 20006                    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 20120934                                  |
| <b>NAME OF SUBMITTER:</b>   | AZADEH KHADEM                             |
| <b>SIGNATURE:</b>   | /Azadeh Khadem/                           |
| <b>DATE SIGNED:</b>   | 08/31/2016                                |

**Total Attachments: 14**

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## DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

Patent Application Title: **PERSONA BASED BILLING**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

### Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

### Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Cellco Partnership d/b/a Verizon Wireless with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Uma V. RAMAN

Mailing Address: : 5 Rue Cezanne, Somerset, NJ 08873

Signature:  Date: 3/14/13

**DECLARATION AND ASSIGNMENT  
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Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Eric R. KOOB

Mailing Address: : 24 Dorset Court, Somerset NJ 08873

Signature:  Date: 3/14/13



**DECLARATION AND ASSIGNMENT  
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ASSIGNEE: Verizon Patent and Licensing Inc. with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Paul M. DECKER

Mailing Address: : 925 Avondale Drive, Red Hill, PA 18076

Signature:  Date: 3/13/13

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Patent Application Title: **PERSONA BASED BILLING**

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ASSIGNEE: Celco Partnership d/b/a Verizon Wireless with a place of business at One Verizon Way,  
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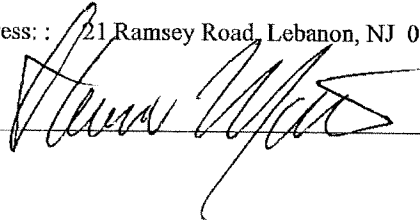
IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Steven MANCUSO

Mailing Address: : 21 Ramsey Road, Lebanon, NJ 08833

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

 14/Jan/2013

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **PERSONA BASED BILLING**

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Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Satish Kumar HOSANAGARA

Mailing Address: : Jewel Drive, Flanders, NJ 07836

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

March 14, 2013

## DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

Patent Application Title: **PERSONA BASED BILLING**

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Full legal name of Inventor: Shashi NEELAKANTAN

Mailing Address: : 559 Southridge Way, Irving, TX 75063

Signature:  Date: 3/14/2013



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Inventor Assignment Acknowledgement

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- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

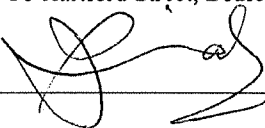
- C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc. with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Bilal WAHID

Mailing Address: : 30 Hartford Street, Bedford MA 01730

Signature:  Date: 03/15/2013

## DECLARATION AND ASSIGNMENT FOR UTILITY PATENT APPLICATION

Patent Application Title: **PERSONA BASED BILLING**

the patent application for which:

☐ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or

☒ was filed on March 15, 2013 as United States Application Number 13/843,605 or PCT International Application Number \_\_\_\_\_

### Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

### Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.


C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Celco Partnership d/b/a Verizon Wireless with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: William D. VERSEN

Mailing Address: 203 Andover Drive, Prospect Heights, IL 60070

Signature: 

Date: 8/29/13