

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4083435

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS	10/04/2016
<b>RECEIVING PARTY DATA</b>		
<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:	14185812
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(908)766-8264	
<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>Email:</b>	joseph.r.palmieri@verizon.com	
<b>Correspondent Name:</b>	JOSEPH R. PALMIERI	
<b>Address Line 1:</b>	ONE VERIZON WAY	
<b>Address Line 2:</b>	ROOM 54N074	
<b>Address Line 4:</b>	BASKING RIDGE, NEW JERSEY 07920	
<b>NAME OF SUBMITTER:</b>	JOSEPH R. PALMIERI	
<b>SIGNATURE:</b>	/Joseph R. Palmieri/	
<b>DATE SIGNED:</b>	10/05/2016	
<b>Total Attachments: 3</b>		
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## ASSIGNMENT

This ASSIGNMENT is effective as of October 4, 2016 between Cellco Partnership d/b/a Verizon Wireless, a general partnership existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, NJ 07920 (hereinafter "ASSIGNOR"), and Verizon Patent and Licensing Inc., a corporation existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, NJ 07920 (hereinafter "ASSIGNEE").

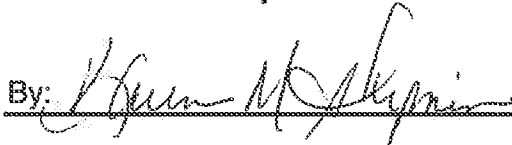
WHEREAS, ASSIGNEE is desirous of acquiring all of ASSIGNOR's rights, title and interest in all inventions (whether patented or unpatented), and United States and foreign Letters Patent and Applications for Letters Patent (and the inventions disclosed therein) in which ASSIGNOR has any such rights, title and interest as of the effective date hereof (hereinafter, the "Patent Assets");

WHEREAS, ASSIGNOR is desirous of granting to ASSIGNEE its ownership of the aforesaid Patent Assets.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, and subject to any rights and licenses under the Patent Assets granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE (a) all worldwide right, title and interest of ASSIGNOR in and to the Patent Assets (subject, however, to applicable patent laws in the respective countries or jurisdictions issuing such Patent Assets), the right to claim priority therefrom, and in and to all additional Letters Patent worldwide to be obtained from such Patent Assets and from any future applications, continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations which claim priority therefrom, each and all to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which any such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment not been made; and (b) all claims for past and future infringements of said Patent Assets, with the right to sue for and obtain all remedies for such infringements (including past and future damages and equitable relief) for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the United States Commissioner of Patents and Trademarks (or similar official) to issue any and all United States Letters Patent resulting from the Patent Assets or any divisions, reissues, continuations, renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein. ASSIGNOR further appoints ASSIGNEE as ASSIGNOR's attorney-in-fact (such appointment being irrevocable and coupled with the interest in the Patent Assets), with full authority in the place and stead of ASSIGNOR and in the name of ASSIGNOR from time to time to take any action and to execute any document which ASSIGNEE may deem reasonably necessary or advisable to accomplish the purposes of this ASSIGNMENT, including the execution and filing of confirmatory assignments, powers of attorney, declarations of transfer, or other documents relative to any of the Patent Assets in the name of ASSIGNOR where permitted by law.

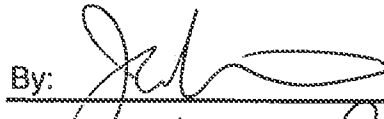
**ASSIGNOR**  
Cellco Partnership

By: 

Name: Karen M. Shipman

Title: Assistant Secretary

**ASSIGNEE**  
Verizon Patent and Licensing Inc.

By: 

Name: JOSEPH LAURIA

Title: VICE PRESIDENT

SCHEDULE A

VZ Docket	Country	Appl. Number	File Date	Pat. Number	Application Title
20140064	US	14185812	2/20/2014	9264531	PROVIDING A VISUAL INTERFACE BASED ON A DIALED NUMBER