

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MCI COMMUNICATIONS SERVICES, INC.	11/16/2018
RECEIVING PARTY DATA		
Name:	VERIZON PATENT AND LICENSING INC.	
Street Address:	ONE VERIZON WAY	
City:	BASKING RIDGE	
State/Country:	NEW JERSEY	
Postal Code:	07920	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16585340
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Phone:	202-920-5397	
Email:	eddy.valverde@verizon.com	
Correspondent Name:	VERIZON PATENT MANAGEMENT GROUP	
Address Line 1:	1300 I STREET NW	
Address Line 2:	5TH FLOOR	
Address Line 4:	WASHINGTON, D.C. 20005	
ATTORNEY DOCKET NUMBER:	20161031C1	
NAME OF SUBMITTER:	JOSEPH R. PALMIERI	
SIGNATURE:	/Joseph R. Palmieri, Reg. No. 40,760/	
DATE SIGNED:	07/23/2020	
Total Attachments: 4		
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source=20161031C1_Assignment-from-MCI-to-VPLI_11-16-2018#page4.tif		

ASSIGNMENT

This ASSIGNMENT is effective as of November 16, 2018, between MCI Communications Services, Inc., a corporation existing under the laws of the State of Delaware and having an office located at One Verizon Way, Basking Ridge, New Jersey 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, New Jersey 07920 (hereinafter "ASSIGNEE").

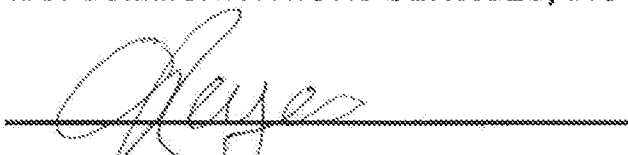
WHEREAS, ASSIGNEE is desirous of acquiring ownership of the United States and/or foreign Letters Patent and Applications for Letters Patent identified in Schedule A, as well as any legal equivalents and counterparts thereof in all countries or jurisdictions worldwide (whether listed on Schedule A or not), and the inventions disclosed therein (all hereinafter referred to as 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
MCI COMMUNICATIONS SERVICES, INC

A handwritten signature in cursive script, appearing to read "Reyes", is written over a horizontal line.

Name: Christy K. Reyes

Title: Assistant Secretary

SCHEDULE A**Issued Patents:**

Patent #	Title	Issue Date	Inventors
9,282,120	SECURING COMMUNICATION OVER A NETWORK USING CLIENT INTEGRITY VERIFICATION	08-Mar-2016	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,398,050	DYNAMICALLY CONFIGURED CONNECTION TO A TRUST BROKER	19-Jul-2016	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,027,086	SECURING ORGANIZATIONAL COMPUTING ASSETS OVER A NETWORK USING VIRTUAL DOMAINS	05-May-2015	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,065,856	SECURING COMMUNICATION OVER A NETWORK USING CLIENT SYSTEM AUTHORIZATION AND DYNAMICALLY ASSIGNED PROXY SERVERS	23-Jun-2015	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,692,743	SECURING ORGANIZATIONAL COMPUTING ASSETS OVER A NETWORK USING VIRTUAL DOMAINS	27-Jun-2017	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,648,044	SECURING COMMUNICATION OVER A NETWORK USING CLIENT SYSTEM AUTHORIZATION AND DYNAMICALLY ASSIGNED PROXY SERVERS	09-May-2017	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER
9,942,274	SECURING COMMUNICATION OVER A NETWORK USING CLIENT INTEGRITY VERIFICATION	10-Apr-2018	Junaaid ISLAM, Brent BILGER, Ted SCHROEDER

(Schedule A continued on next page)

Patent Applications:

Application #	Title	Filing Date	Inventors
61/759,963	SECURING ORGANIZATIONAL ASSETS AND COMMUNICATION ON A COMPUTER NETWORK	01-Feb-2013	Junaid ISLAM, Brent BILGER, Ted SCHROEDER
PCT/US2014/013235	SECURING COMMUNICATION OVER A NETWORK USING CLIENT INTEGRITY VERIFICATION	27-Jan-2014	Junaid ISLAM, Brent BILGER, Ted SCHROEDER
13/794,574	SECURING COMMUNICATION OVER A NETWORK USING USER IDENTITY VERIFICATION	11-Mar-2013	Junaid ISLAM, Brent BILGER, Ted SCHROEDER
13/794,607	SYSTEMS AND METHODS FOR VALIDATING NETWORK CLIENT SOFTWARE AND SYSTEM	11-Mar-2013	Junaid ISLAM, Brent BILGER, Ted SCHROEDER
15/266,980	METHODS AND SYSTEMS FOR NETWORK SECURITY USING A CRYPTOGRAPHIC FIREWALL	15-Sep-2016	Ted SCHROEDER, Gabor LENGYEL
62/287,790	METHODS AND SYSTEMS FOR NETWORK SECURITY USING A CRYPTOGRAPHIC FIREWALL	27-Jan-2016	Ted SCHROEDER, Gabor LENGYEL
15/593,181	SYSTEMS AND METHODS FOR MAINTAINING COMMUNICATION LINKS	11-May-2017	Ted SCHROEDER
15/456,442	SECURING COMMUNICATION OVER A NETWORK USING DYNAMICALLY ASSIGNED PROXY SERVERS	10-Mar-2017	Junaid ISLAM, Brent BILGER, Ted SCHROEDER