

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4941009

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEE A. SATTLER	04/23/2018
ASHISH SARDESAI	04/18/2018
MANI TADAYON	04/18/2018
DANTE J. PACELLA	04/18/2018
SARAVANAN MALLESAN	04/20/2018
VENKATA JOSYULA	04/27/2018
CHRISTOPHER N. DELREGNO	04/20/2018
JEAN M. MCMANUS	04/18/2018
MOHAMMED M. RAHMAN	04/30/2018
MATTHEW W. TURLINGTON	04/16/2018

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:	15967182

CORRESPONDENCE DATA

Fax Number: (571)432-0808

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.

Phone: 5714320800

Email: Jcato@harrityllp.com

Correspondent Name: HARRITY AND HARRITY, LLP

Address Line 1: 11350 RANDOM HILLS ROAD

Address Line 2: SUITE 600

Address Line 4: FAIRFAX, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	20170585
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PATENT

NAME OF SUBMITTER:	DANIEL M. JEBSEN
SIGNATURE:	/Daniel M. Jepsen, Reg. No. 71,711/
DATE SIGNED:	05/01/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 10

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**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION SATELLITE SYSTEM

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 the below named inventor, I hereby declare that:

- the above-identified application was made or authorized to be made by me;
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment Acknowledgement

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A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or 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 inventions or ideas, 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 I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense); (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name 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 the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me 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.

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

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Lee E. SATTLER

Address: 3410 Tucaway Drive, Mt. Airy, MD 21771 US

Signature: Lee E. Sattler Date: 4/23/18

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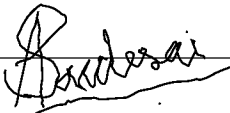
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Ashish SARDESAI

Address: 20853 Isherwood Terrace, Apt. # 204, Ashburn, VA 20147 US

Signature:  Date: 04/18/2018

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Mani TADAYON

Address: 18431 Montview Square, Leesburg, VA 20176 US

Signature: *Mani Tadayon* Date: 4/18/2018

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION
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Full legal name of Inventor: Dante J. PACELLA

Address: 327 Prospect Hill Blvd., Charles Town, WV 25414 US

Signature:  Date: 4/18/2018

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FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION
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Full legal name of Inventor: Saravanan MALLESAN

Address: 4117 Evergreen Drive, Fairfax, VA 22032 US

Signature:  Date: 4/20/2018

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Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION
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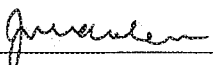
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Full legal name of Inventor: Venkata JOSYULA

Address: 23019 Caterham Drive, Ashburn, VA 20148 US

Signature:  Date: April 27th 2018

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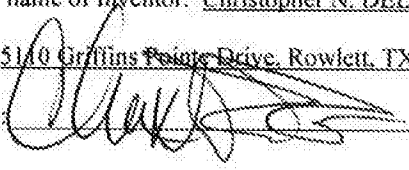
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Full legal name of Inventor: Christopher N. DELREGNO

Address: 5110 Griffins Pointe Drive, Rowlett, TX 75089 US

Signature:  Date: 4/20/2018

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B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense); (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name 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 the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me 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.

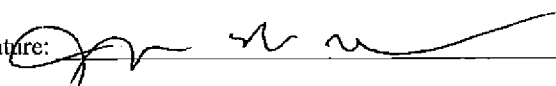
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

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

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Jean M. McMANUS

Address: 154-2 Mountainview Lane, Bernardsville, NJ 07924 US

Signature: 

Date: 4/18/18

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION SATELLITE SYSTEM

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 the below named inventor, I hereby declare that:

- the above-identified application was made or authorized to be made by me;
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment Acknowledgement

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

A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or 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 inventions or ideas, 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.

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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., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Mohammed M. RAHMAN

Address: 1515 Summerfield Dr., Allen, TX 75002 US

Signature: 

Date: 9/30/2018

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Patent Application Title: MICROSERVICES ARCHITECTURE FOR CLOUD-SCALE GLOBAL NAVIGATION
SATELLITE SYSTEM

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 the below named inventor, I hereby declare that:

- the above-identified application was made or authorized to be made by me;
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Matthew W. TURLINGTON

Address: 4418 Kelly Drive, Richardson, TX 75082 US

Signature: _____ Date: 4/16/18