PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2923964

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANTE J. PACELLA	06/26/2014
ISMAT A. PASHA	06/25/2014
SYED AMMAR AHMAD	06/26/2014
MARK D. CARNEY	06/26/2014

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:	14322285

CORRESPONDENCE DATA

Fax Number: (703)439-2658

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.

5712970007 Phone:

Email: pto@snyderllp.com

SNYDER, CLARK, LESCH & CHUNG, LLP **Correspondent Name:**

950 HERNDON PARKWAY Address Line 1:

Address Line 2: SUITE 365

Address Line 4: HERNDON, VIRGINIA 20170

ATTORNEY DOCKET NUMBER:	20140310
NAME OF SUBMITTER:	JI-YONG D. CHUNG
SIGNATURE:	/Ji-Yong D. Chung, Reg. No. 54,805/
DATE SIGNED:	07/02/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=20140310 Dec Assign PACELLA SIGNED 0021 1013#page1.tif

REEL: 033233 FRAME: 0142 502877367

PATENT

source=20140310_Dec_Assign_PASHA_SIGNED_0021_1013_PDF995#page1.tif source=20140310_Dec_Assign_AHMAD_SIGNED_0021_1013#page1.tif source=20140310_Dec_Assign_CARNEY_SIGNED_0021_1013#page1.tif

PATENT REEL: 033233 FRAME: 0143 VZ Docket No.: 20140310

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: INTELLIGENT NETWORK INTERCONNECT

the patent application for	which:	
is being filed concurr	ently herewith, Application Number to be assigne	ed 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.
- 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: Dante J. Pacella

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

Signature:

Date; 6/26/14

PATENT REEL: 033233 FRAME: 0144

VZ Docket No.: 20140310

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

POR PATELLY APPLICATION	
Patent Application Title: INTELLIGENT NETWORK INTERCONNECT	
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 to imprisonment of not more than five (5) years, or both. 	ine
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 world right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other application registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all original and reissued Letters Patent which been or shall be issued in the United States and foreign countries from any of said applications or registrations, and in and to all original and reissued Letters Patent based on the Countries of the "Patent Rights"). Letters Pate used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial progrecognized 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 exall rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assi (or its successors and/or assigns) without compensation (but at Assignee's expense).; (iii) that I appoint Assignee (acting throug representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reason necessary or advisable to accomplish the purposes of this assignment, including the execution a	as it
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting 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	; the
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:	ıted
Full legal name of Inventor: Ismat A. Pasha	
Address: 3107 Oxford Forest Dr, Herndon, VA 20171	
Signature: 6/25/2014	

PATENT REEL: 033233 FRAME: 0145

VZ Docket No.: 20140310

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: INTELLIGENT NETWORK INTERCONNECT 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.
- 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 Inv	rentor: Syed Ammar Ahmad		
Address: 20750 Apo	llo Terrace, Ashburn, VA 20147		
Signature:	-3/11/6	Date: <u>06/26/14</u>	

PATENT REEL: 033233 FRAME: 0146 1

703 886 9184 06:40:01 a.m. 06–26–2014 1 /1

VZ Docket No.: 20140310

DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent	Application	Title:	INTEL	LICENT	NETWODE	INTERCONNECT
	· -ppiioucion	TILLO.	11 1 LL	TIODILL	DEL WORK	INTERCONNECT

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

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.
- 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: Mark D. Carnev

Address: 11 Red Wing Ct, Sterling, VA 20164

RECORDED: 07/02/2014

Signature: Much 9 2 Date: 6/26/20#

PATENT REEL: 033233 FRAME: 0147

1