

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4070371

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VACHASPATHI KOMPELLA	08/26/2016
PRAVEEN MULEY	08/26/2016
VINAI SIRKAY	08/26/2016
STEPHEN VOGELSANG	09/23/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALCATEL-LUCENT USA INC.
<b>Street Address:</b>	600-700 MOUNTAIN AVENUE
<b>City:</b>	MURRAY HILL
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07974-0636
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14877449
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	732-542-2280
<b>Email:</b>	ipsnarocp@nokia.com,DLANE@trbkllaw.com
<b>Correspondent Name:</b>	MICHAEL S. BENTLEY
<b>Address Line 1:</b>	TONG, REA, BENTLEY & KIM, LLC
<b>Address Line 2:</b>	12 CHRISTOPHER WAY, SUITE 105
<b>Address Line 4:</b>	EATONTOWN, NEW JERSEY 07724
<b>ATTORNEY DOCKET NUMBER:</b>	818600-US-NP
<b>NAME OF SUBMITTER:</b>	DIANE V. LANE
<b>SIGNATURE:</b>	/Diane V. Lane/
<b>DATE SIGNED:</b>	09/27/2016
<b>Total Attachments: 9</b>	
source=818600-executed-assignment#page1.tif	
source=818600-executed-assignment#page2.tif	

source=818600-executed-assignment#page3.tif  
source=818600-executed-assignment#page4.tif  
source=818600-executed-assignment#page5.tif  
source=818600-executed-assignment#page6.tif  
source=818600-executed-assignment#page7.tif  
source=818600-executed-assignment#page8.tif  
source=818600-executed-assignment#page9.tif

## ASSIGNMENT AND AGREEMENT

For value received, we,

**Vachaspathi Kompella** of Cupertino, CA,  
**Praveen Muley** of Cupertino, CA,  
**Vinai Sirkay** of Los Altos, CA; and  
**Stephen Vogelsang** of Pittsburgh, PA

hereby sell, assign and transfer to Alcatel-Lucent USA Inc., a corporation of the State of Delaware, having an office at 600-700 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

**STATE-EFFICIENT NETWORK FUNCTION SUPPORT**

described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Alcatel-Lucent USA Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Alcatel-Lucent USA Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel-Lucent USA Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Alcatel-Lucent USA Inc. in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent USA Inc. may designate.

1162020\_1

We agree that, when requested, we shall, without charge to Alcatel-Lucent USA Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Vachaspathi Kompella

Date: 8/26/2016

United States of America )

State of California ) ss.:

County of Santa Clara )

On this Aug 26<sup>th</sup> day of August, 2016, before me personally came Vachaspathi Kompella to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



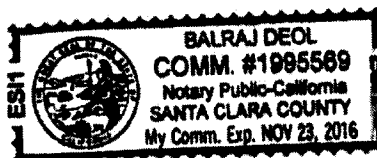
Notary Public

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

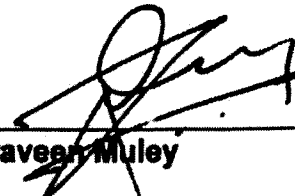
State of California / County of Santa Clara ) ss.  
 On Aug 26, 2016, BALRAJ DEOL Notary Public,  
 personally appeared Vachaspathi Kompella  
 who proved to me on the basis of satisfactory evidence to be the person(s) whose  
 name(s) is/are subscribed to the within instrument and acknowledged to me that  
 he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
 his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of  
 which the person(s) acted, executed the instrument. I certify under PENALTY OF  
 PERJURY under the laws of the State of California that the foregoing paragraph is true  
 and correct. WITNESS my hand and official seal.



(Balraj Deol)



Date: 8/26/2016

  
 \_\_\_\_\_  
 Praveen Muley

United States of America )

State of California ) ss.:

County of Santa Clara )


On this 26<sup>th</sup> day of August, 2016, before me personally came **Praveen Muley**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

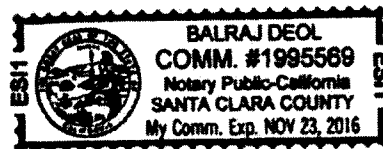


\_\_\_\_\_  
 Notary Public

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California, County of Santa Clara, ss.  
 On 8/26/16, before me, BALRAJ DEOL, Notary Public,  
 personally appeared Praveen Muley,  
 who proved to me on the basis of satisfactory evidence to be the person(s) whose  
 name(s) is/are subscribed to the within instrument and acknowledged to me that  
 he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
 his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of  
 which the person(s) acted, executed the instrument. I certify under PENALTY OF  
 PERJURY under the laws of the State of California that the foregoing paragraph is true  
 and correct. WITNESS my hand and official seal.

  
 (Balraj Deol)



Alcatel-Lucent USA Inc.  
 600-700 Mountain Avenue  
 Murray Hill, New Jersey 07974-0636

Date: 8/26/16

Vinai Sirkay

United States of America )  
State of California ) ss.:  
County of Santa Clara )

On this 26<sup>th</sup> day of August, 2016, before me personally came **Vinai Sirkay**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

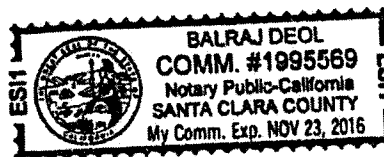
Balraj Deol

Notary Public

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California, County of Santa Clara ) ss.  
On Aug 26 16 before me, BALRAJ DEOL Notary Public,  
personally appeared Vinai Sirkay  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

Balraj Deol  
(Balraj Deol)



Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
Murray Hill, New Jersey 07974-0636

## ASSIGNMENT AND AGREEMENT

For value received, we,

**Vachaspathi Kompella** of Cupertino, CA,  
**Praveen Muley** of Cupertino, CA,  
**Vinai Sirkay** of Los Altos, CA; and  
**Stephen Vogelsang** of Pittsburgh, PA

hereby sell, assign and transfer to Alcatel-Lucent USA Inc., a corporation of the State of Delaware, having an office at 600-700 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

**STATE-EFFICIENT NETWORK FUNCTION SUPPORT**

described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Alcatel-Lucent USA Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Alcatel-Lucent USA Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel-Lucent USA Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Alcatel-Lucent USA Inc. in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent USA Inc. may designate.

1162020\_1

We agree that, when requested, we shall, without charge to Alcatel-Lucent USA Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

\_\_\_\_\_  
**Vachaspathi Kompella**

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

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally came **Vachaspathi Kompella** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public



\_\_\_\_\_  
**Praveen Muley**

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

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally came **Praveen Muley**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
Murray Hill, New Jersey 07974-0636

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

\_\_\_\_\_  
**Vinai Sirkay**

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016, before me personally came **Vinai Sirkay**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
Murray Hill, New Jersey 07974-0636

  
\_\_\_\_\_  
**Stephen Vogelsang**

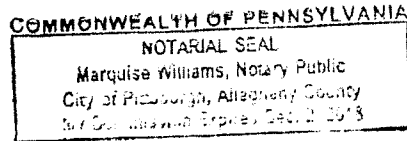
Date: September 23, 2016

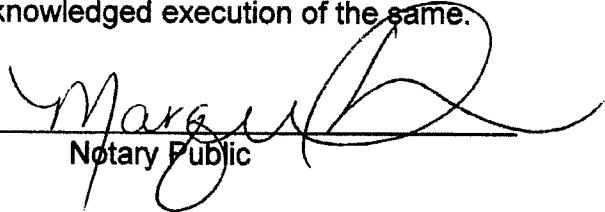
United States of America )

State of Pennsylvania ) ss.:

County of Allegheny )

On this 23<sup>rd</sup> day of September, 2016, before me personally came **Stephen Vogelsang**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



  
\_\_\_\_\_  
**Notary Public**

Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
Murray Hill, New Jersey 07974-0636

1162020\_1