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Atty. Docket No.: 29250-002605/US

Page 1 of 1

06/08/2012



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To the Honorable
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Subramanian VASUDEVAN
2. Rahul N. PUPALA
3. Kathiravetpillai SIVANESAN

Additional name(s) of conveying party(ies) attached?

☐ YES ☒ NO

3. Nature of conveyance:

- ☒ Assignment ☐ Merger ☐ Security Agreement
☐ Change of Name ☐ Other:

Execution Date: 1. June 6, 2012; 2. June 6, 2012;
and 3. June 6, 2012, respectively.

2. Name and address of receiving party(ies)

Name: Alcatel-Lucent USA Inc.

Street Address: 600-700 Mountain Avenue

City: Murray Hill State: New Jersey

Country: USA Postal Code: 07974

Additional name(s) & address(es) attached? ☐ YES ☒ NO

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

13/427,175

B. Patent No.(s).

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: HARNES, DICKEY & PIERCE, P.L.C.

Street Address: P.O. BOX 8910

City: RESTON State: VA ZIP: 20195

Country: USA

6. Total No. of applications/patents involved: **One**
(1)

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

☒ Enclosed

☒ Authorized to be charged to deposit account,
if no fee attached.

8. Deposit account number: 08-0750

(Attach triplicate copy of this page
if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached
copy is a true copy of the original document.

Gary D. Yacura/35,416,

Name of Person Signing/Reg. No.

Signature

June 6, 2012

Date

Total number of pages including cover sheet, attachments, and document: 7

PATENT
REEL: 028407 FRAME: 0346

Attorney Docket No. 29250-002605/US
Alcatel-Lucent Ref. No. 811490-US-NP

ASSIGNMENT AND AGREEMENT

For value received, we, **Subramanian VASUDEVAN** of **Morristown** in County of **Morris** and State of **New Jersey**, **Rahul N. PUPALA** of **Piscataway** in County of **Middlesex** and State of **New Jersey**, and **Kathiravetpillai SIVANESAN** of **Richardson** in County of **Collin** and State of **Texas**, 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, NJ 07974, 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 **ALMOST BLANK SUBFRAME DUTY CYCLE ADAPTATION IN HETEROGENEOUS NETWORKS** 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.

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.

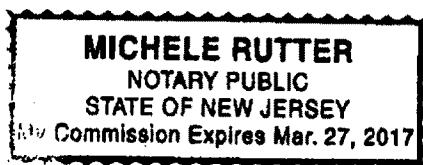
Attorney Docket No. 29250-002605/US
Alcatel-Lucent Ref. No. 811490-US-NP

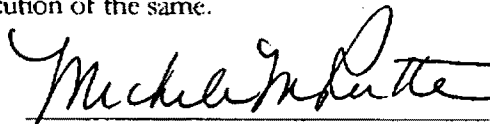

Subramanian VASUDEVAN

Date: June 6, 2012

United States of America)
State of New Jersey) ss.:
County of Union)

On this 6th day of June, 2012, before me personally came S. Vasudevan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

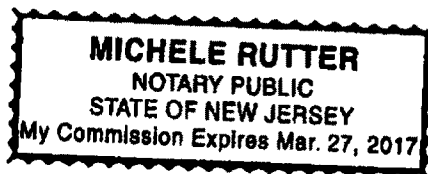



Notary Public

Date: 06 June 2012

United States of America)
State of New Jersey) ss.:
County of Union)

On this 6th day of June, 2012, before me personally came R. Pupala, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.




Rahul N. PUPALA


Notary Public

Attorney Docket No. 29250-002605/US

Alcatel-Lucent Ref. No. 811490-US-NP

Kathiravetpillai SIVANESAN

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2012, before me personally
came _____, 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 Mountain Avenue (Room 3C-512)
P. O. Box 636
Murray Hill, New Jersey 07974-0636

ASSIGNMENT AND AGREEMENT

For value received, we, **Subramanian VASUDEVAN** of **Morristown** in County of **Morris** and State of **New Jersey**, **Rahul N. PUPALA** of **Piscataway** in County of **Middlesex** and State of **New Jersey**, and **Kathiravetpillai SIVANESAN** of **Richardson** in County of **Collin** and State of **Texas**, 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, NJ 07974**, 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 **ALMOST BLANK SUBFRAME DUTY CYCLE ADAPTATION IN HETEROGENEOUS NETWORKS** 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.

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.

Subramanian VASUDEVAN

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2012, before me personally came _____, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary PublicRahul N. PUPALA

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 2012, before me personally came _____, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

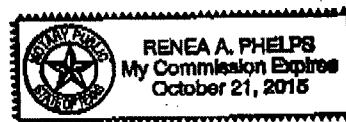
Notary Public

Date: 6th June 2012
Kathiravetpillai SIVANESAN

United States of America)

State of Texas) ss.:County of Dallas)

On this 6 day of June, 2012, before me personally came K. Sivanesan, 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 Mountain Avenue (Room 3C-512)
P. O. Box 636
Murray Hill, New Jersey 07974-0636

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