

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Haoyu Song</td> <td>12/16/2011</td> </tr> <tr> <td>Fang Hao</td> <td>12/16/2011</td> </tr> <tr> <td>Tirunell V. Lakshman</td> <td>12/16/2011</td> </tr> </tbody> </table>		Name	Execution Date	Haoyu Song	12/16/2011	Fang Hao	12/16/2011	Tirunell V. Lakshman	12/16/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Alcatel-Lucent USA Inc.</td> </tr> <tr> <td>Street Address:</td> <td>600-700 Mountain Avenue</td> </tr> <tr> <td>City:</td> <td>Murray Hill</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07974-0636</td> </tr> </table>		Name:	Alcatel-Lucent USA Inc.	Street Address:	600-700 Mountain Avenue	City:	Murray Hill	State/Country:	NEW JERSEY	Postal Code:	07974-0636
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13334141</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13334141						
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Application Number:	13334141										
CORRESPONDENCE DATA											
Fax Number:	(908)582-3850										
Phone:	9085827109										
Email:	Michele.Rutter@alcatel-lucent.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Alcatel-Lucent USA Inc.										
Address Line 1:	600-700 Mountain Avenue										
Address Line 2:	Docket Administrator - Room 3D-201E										
Address Line 4:	Murray Hill, NEW JERSEY 07974-0636										
ATTORNEY DOCKET NUMBER:	808917-US-NP										
NAME OF SUBMITTER:	CArl Bilicska										
Total Attachments: 7											

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**ASSIGNMENT AND AGREEMENT**

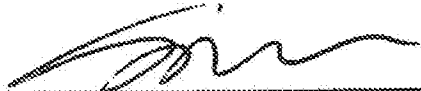
For value received, we, Haoyu Song, of Edison in the County of Middlesex and the State of New Jersey, and Fang Hao, of Morganville in the County of Monmouth and the State of New Jersey, and Tirunell V. Lakshman, of Morganville in the County of Monmouth and the State of New Jersey, hereby sell, assign and transfer to Alcatel-Lucent USA Inc., a corporation of Delaware, having an office at 600-700 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, United States of America, 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 **Method And Apparatus For Energy Efficient Distributed And Elastic Load Balancing** 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.

  
\_\_\_\_\_  
Haoyu Song

Date: 12/16/2011

United States of America )

State of \_\_\_\_\_ ) ss.:

County of \_\_\_\_\_ )

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

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

*Fang Hao*

\_\_\_\_\_  
Fang Hao

Date: 12/16/2011

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 16<sup>th</sup> day of December, 11, before me personally came, Fang Hao to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Patricia A Tier*

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

Patricia A Tier  
Notary Public  
New Jersey  
My Commission Expires 8/28/2012



Tirunell V. Lakshman

Date: 12/14/2011

United States of America )

State of New Jersey ) ss.:

County of Monmouth

On this 16<sup>th</sup> day of December, 2011, before me personally came, Tirunell V. Lakshman to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Patricia A Tier  
Notary Public  
New Jersey  
My Commission Expires 8/28/2012

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Haoyu Song, Edison, NJ  
Fang Hao, Morganville, NJ  
Tirunell V. Lakshman, Morganville, NJ

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Alcatel-Lucent USA Inc.

Internal Address: \_\_\_\_\_

Street Address: 600-700 Mountain Avenue

P. O. Box 636

City: Murray Hill

State: New Jersey

Country: USA Zip: 07974-0636

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) December 16, 2011

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

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

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Alcatel-Lucent USA Inc.

Internal Address: Docket Administrator

Room 3D-201E

Street Address: 600-700 Mountain Avenue

City: Murray Hill

State: NJ Zip: 07974-0636

Phone Number: 908-582-5114

Fax Number: 908-582-3850

Email Address: Michele.Rutter@alcatel-lucent.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 12-2325

Authorized User Name Michele M. Rutter

**9. Signature:**

\_\_\_\_\_  
/Carl Bilicska/  
Signature

December 22, 2011  
Date

\_\_\_\_\_  
Carl Bilicska, Reg. No. 63,448  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

## Guidelines for Completing Patents Cover Sheets (PTO-1595)

Cover Sheet information must be submitted with each document to be recorded. If the document to be recorded concerns both patents and trademarks separate patent and trademark cover sheets, including any attached pages for continuing information, must accompany the document. All pages of the cover sheet should be numbered consecutively, for example, if both a patent and trademark cover sheet is used, and information is continued on one additional page for both patents and trademarks, the pages of the cover sheet would be numbered from 1 to 4.

### Item 1. Name of Conveying Party(ies).

Enter the full name of the party(ies) conveying the interest. If there is insufficient space, enter a check mark in the "Yes" box to indicate that additional information is attached. The name of the additional conveying party(ies) should be placed on an attached page clearly identified as a continuation of the information Item 1. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the party(ies) other than the owner of the patent or patent application as the conveying party(ies).

### Item 2. Name and Address of Receiving Party(ies).

Enter the name and full address of the first party receiving the interest. If there is more than one party receiving the interest, enter a check mark in the "Yes" box to indicate that additional information is attached. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the patent or patent application owner(s) as the receiving party.

### Item 3. Nature of Conveyance/Execution Date(s).

Enter the execution date(s) of the document. It is preferable to use the name of the month, or an abbreviation of that name, in order that confusion over dates is minimized. Place a check mark in the appropriate box describing the nature of the conveying document. If the "Other" box is checked, specify the nature of the conveyance.

### Item 4. Application Number(s) or Patent Number(s).

Indicate the application number(s), and/or patent number(s) against which the document is to be recorded. National application numbers must include both the series code and a six-digit number (e.g., 07/123,456), and international application numbers must be complete (e.g., PCT/US91/12345).

Enter a check mark in the appropriate box: "Yes" or "No" if additional numbers appear on attached pages. Be sure to identify numbers included on attached pages as the continuation of Item 4. Also enter a check mark if this Assignment is being filed with a new application.

### Item 5. Name and Address of Party to whom correspondence concerning the document should be mailed.

Enter the name and full address of the party to whom correspondence is to be mailed.

### Item 6. Total Applications and Patents involved.

Enter the total number of applications and patents identified for recordation. Be sure to include all applications and patents identified on the cover sheet and on additional pages.

### Block 7. Total Fee Enclosed.

Enter the total fee enclosed or authorized to be charged. A fee is required for each application and patent against which the document is recorded.

### Item 8. Payment Information.

Enter the deposit account number and authorized user name to authorize charges.

### Item 9. Signature.

Enter the name of the person submitting the document. The submitter must sign and date the cover sheet. Enter the total number of pages including the cover sheet, attachments, and document.

This collection of information is required by 35 USC 261 and 262 and 15 USC 1057 and 1060. The information is used by the public to submit (and by the USPTO to process) patent and trademark assignment requests. After the USPTO records the information, the records for patent and trademarks, assignments, and other associated documents can be inspected by the public. To view documents recorded under secrecy orders or documents recorded due to the interest of the federal government, a written authorization must be submitted. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the form to the USPTO. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Manager of the Assignment Division, USPTO, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.



## Privacy Act Statement for Patent Assignment Recordation Form Cover Sheet

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with the above request for information. This collection of information is authorized by 35 U.S.C. 1, 2, 261 and E.O. 9424. This information will primarily be used by the USPTO for the recordation of assignments related to patents and patent applications. Submission of this information is voluntary but is required in order for the USPTO to record the requested assignment. If you do not provide the information required on the cover sheet, the assignment will not be recorded, and all documents will be returned to you.

After the information is recorded, the records and associated documents can be inspected by the public and are not confidential, except for documents that are sealed under secrecy orders or related to unpublished patent applications. Assignment records relating to unpublished patent applications are maintained in confidence in accordance with 35 U.S.C. 122. Records open to the public are searched by users for the purpose of determining ownership for other property rights with respect to patents and trademarks.

Routine uses of the information you provide may also include disclosure to appropriate Federal, state, local, or foreign agencies in support of their enforcement duties and statutory or regulatory missions, including investigating potential violations of law or contract and awarding contracts or other benefits; to a court, magistrate, or administrative tribunal in the course of presenting evidence; to members of Congress responding to requests for assistance from their constituents; to the Office of Management and Budget in connection with the review of private relief legislation; to the Department of Justice in connection with a Freedom of Information Act request; to a contractor in the performance of their duties; to the Office of Personnel Management for personnel studies; and to the General Services Administration (GSA) as part of their records management responsibilities under the authority of 44 U.S.C. 2904 and 2906. Such disclosure to GSA shall not be used to make determinations about individuals.