

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fang Ho</td> <td>12/07/2009</td> </tr> <tr> <td>Muralidharan Kodialam</td> <td>12/07/2009</td> </tr> <tr> <td>T. V. Lakshman</td> <td>12/07/2009</td> </tr> <tr> <td>Haoyu Song</td> <td>12/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	Fang Ho	12/07/2009	Muralidharan Kodialam	12/07/2009	T. V. Lakshman	12/07/2009	Haoyu Song	12/07/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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</td> </tr> </table>		Name:	Alcatel-Lucent USA Inc.	Street Address:	600-700 Mountain Avenue	City:	Murray Hill	State/Country:	NEW JERSEY	Postal Code:	07974
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (732)842-8388</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 732-842-8110</p> <p>Email: cwilson@WALLTONG.COM</p> <p>Correspondent Name: WALL &amp; TONG, LLP/ ALCATEL-LUCENT USA INC</p> <p>Address Line 1: 595 SHREWSBURY AVENUE</p> <p>Address Line 4: SHREWSBURY, NEW JERSEY 07702</p>											
ATTORNEY DOCKET NUMBER:	ALU/805838										
NAME OF SUBMITTER:	Eamon J. Wall										
<p>Total Attachments: 5</p> <p>source=ALU805838eASSIGN_001#page1.tif</p>											

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**PATENT**  
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ALU/805838

## ASSIGNMENT AND AGREEMENT

For value received, we, Fang Hao of Morganville in the county of Monmouth and State of New Jersey, Muralidharan Kodialam of Marlboro in the county of Monmouth and State of New Jersey, T. V. Lakshman of Morganville in the county of Monmouth and State of New Jersey, and Haoyu Song of Edison in the county of Middlesex and State of New Jersey, 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, 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 **METHOD AND APPARATUS FOR GENERATING A SHAPE GRAPH FROM A BINARY TRIE** 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.

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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.

Fang Hao  
Fang Hao

Date: December 7, 2009

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 7<sup>th</sup> day of December, 2009, 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

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PATENT  
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ALU/805838



Muralidharan Kodialam

Date: December 7, 2009

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

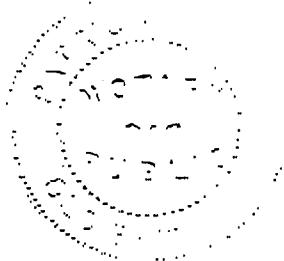
On this 7<sup>th</sup> day of December, 2009, before me personally came **Muralidharan Kodialam**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Patricia A Tier  
Notary Public  
New Jersey

My Commission Expires 8/28/2012



1023574-1

ALU/805838

  
T. V. Lakshman

Date: December 7, 2009

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 7<sup>th</sup> day of December, 2009, before me personally came **T. 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

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Haoyu Song

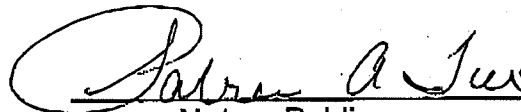
Date: December 7, 2009

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 7<sup>th</sup> day of December, 2009, 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

Patricia A Tier  
Notary Public  
New Jersey

My Commission Expires 8/28/2012

Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
P. O. Box 636  
Murray Hill, New Jersey 07974

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RECORDED: 12/09/2009

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