

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>Doru Calin</td><td>11/06/2006</td></tr><tr><td>Thomas B. Morawski</td><td>11/13/2006</td></tr><tr><td>Luz Elena Pinzon</td><td>11/07/2006</td></tr><tr><td>Raymond Abbott Sackett</td><td>11/08/2006</td></tr><tr><td>Haiping Zhang</td><td>11/08/2006</td></tr></tbody></table>		Name	Execution Date	Doru Calin	11/06/2006	Thomas B. Morawski	11/13/2006	Luz Elena Pinzon	11/07/2006	Raymond Abbott Sackett	11/08/2006	Haiping Zhang	11/08/2006
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Lucent Technologies Inc.</td></tr><tr><td>Street Address:</td><td>600 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:	Lucent Technologies Inc.	Street Address:	600 Mountain Avenue	City:	Murray Hill	State/Country:	NEW JERSEY	Postal Code:	07974-0636		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (732)530-9808 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 7325309404													
Email: lcrater@pattersonsheridan.com													
Correspondent Name: Eamon J. Wall/Patterson & Sheridan, LLP													
Address Line 1: 595 Shrewsbury Avenue													
Address Line 2: Suite 100													
Address Line 4: Shrewsbury, NEW JERSEY 07702													
ATTORNEY DOCKET NUMBER:	LCNT/128333												
NAME OF SUBMITTER:	Eamon J. Wall												

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PATENT  
REEL: 018519 FRAME: 0428

**Total Attachments: 7**

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**PATENT**

**REEL: 018519 FRAME: 0429**

## ASSIGNMENT AND AGREEMENT

For value received, we, Doru CALIN of Manalapan in the County of Monmouth and State of New Jersey, Thomas B. MORAWSKI of Westfield in the County of Union and State of New Jersey, and Luz Elena PINZON of Concord in the County of Contra Costa and State of California, Raymond Abbott SACKETT of Rumson in the County of Monmouth and State of New Jersey, and Haiping ZHANG of Edison in the County of Middlesex and State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 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 **METHOD AND APPARATUS FOR NETWORK GROWTH PLANNING IN WIRELESS 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 Lucent Technologies 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.

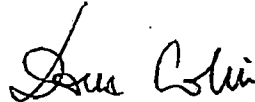
We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization 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 Lucent Technologies 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 Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

ASSIGNMENT LCNT128333.DOC

We agree that, when requested, we shall, without charge to Lucent Technologies 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.



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Doru CALIN

Date: November 06, 2006

United States of America )

State of NY ) ss.:

County of Monmouth )

On this 6 day of November, 2006, before me personally came Doru CALIN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Thomas B. Morawski  
Thomas B. MORAWSKI

Date: 11/13/2006

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 13<sup>th</sup> day of November, 2006, before me personally came Thomas B. MORAWSKI, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Evelyn M. Hrunka  
Notary Public

EVELYN M. HRUNKA  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES JAN. 6, 2010

Luz Elena PINZON  
Luz Elena PINZON

Date: 11-7-06

United States of America )

State of California ) ss.:

County of Contra Costa )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2006, before me personally came Luz Elena PINZON, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Rebecca Lee attached Doe  
Notary Public

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Contra Costa

On 11/7/06 before me, Pat Blume Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Luz E. PINZON  
Name(s) of Signer(s)

☐ personally known to me

☒ (or 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.

WITNESS my hand and official seal.

Place Notary Seal Above

Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Assignment & Agreement

Document Date: 11/7/06 Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- ☒ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

  
Raymond Abbott SACKETT

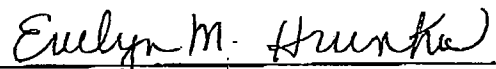
Date: 11-28-06

United States of America )

State of New Jersey ) ss.:

County of Morrmouth )

On this 8<sup>th</sup> day of November, 2006, before me personally came Raymond Abbott SACKETT, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

  
EVELYN M. HRUNKA  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES JAN. 6, 2010



Haiping Zhang  
Haiping ZHANG

Date: 11/8/2006

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 8<sup>th</sup> day of November, 2006, before me personally came Haiping ZHANG, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Evelyn M. Hrunka  
Notary Public

EVELYN M. HRUNKA  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES JAN. 6, 2010

Lucent Technologies Inc.  
600 Mountain Avenue (Room 3C-512)  
P. O. Box 636  
Murray Hill, New Jersey 07974-0636

ASSIGNMENT LCNT128333.DOC