PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date | |
|--------------------------|----------------|--|
| Rajiv Laroia | 01/05/2001 | |
| Junyi Li | 01/05/2001 | |
| Sathyadev Venkata Uppala | 01/05/2001 | |

RECEIVING PARTY DATA

| Name: | Lucent Technologies Inc. |
|-------------------|--------------------------|
| Street Address: | P.O. Box 636 |
| Internal Address: | 600 Mountain Avenue |
| City: | Murray Hill |
| State/Country: | NEW JERSEY |
| Postal Code: | 07974 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 10895720 |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 908-582-7109

Email: Mary.Poremba@alcatel-lucent.com

Correspondent Name: Docket Administrator
Address Line 1: 600-700 Mountain Avenue

Address Line 2: Room 3B-212F

Address Line 4: Murray Hill, NEW JERSEY 07974-0636

| ATTORNEY DOCKET NUMBER: | LAROIA 32-23-16-US-DIV |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | Gregory J. Murgia |
| Signature: | /Gregory J. Murgia/ |

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| Date: | 04/03/2013 |
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ASSIGNMENT AND AGREEMENT

For value received, we, Rajiv Laroia, of Basking Ridge, in the County of Somerset and State of New Jersey, Junyi Li, of Matawan, in the County of Monmouth and State of New Jersey and Sathyadev Venkata Uppala, of Scotch Plains, in the County of Union 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 APPARATUS AND METHOD FOR USE IN PAGING MODE IN WIRELESS COMMUNICATIONS SYSTEMS described in an application for Letters Patent of the United States executed on 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 me, 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.

> PATENT REEL: 011448 FRAME: 0522

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.

| | | Nerric |
|--------------------------------|-------------------------|-----------------------------|
| , 1 | Rajiv Laroia | |
| Date: 1/ <u>05/01</u> | | |
| United States of America |) | |
| State of New Jersey |) ss.: | |
| County of Somerset |) | |
| personally came Rajiv Laroia, | to me known to be the | |
| who executed the foregoing ins | strument, and acknowled | aged execution of the same. |

AMY AXELROD
NOTARY PUBLIC OF NEW JERSEY
My Commission Exp. Feb. 14, 2002

PATENT REEL: 011448 FRAME: 0523

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| Δ. | 1/5/01 | | |

Date: 1/5/01

United States of America

State of New Jersey) ss.:

County of Somerset

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AMY AXELROD

NOTAR: PUBLIC OF NEW JERSEY

V Contain A June 19 Feb. 14, 2002

PATENT

REEL: 011448 FRAME: 0524

Sathyadev Venkata Uppala

Date: 1/5/01

United States of America

State of New Tersey) ss .:

County of Somerset

Notary Public

AMY AXELROD

NOTARY PUBLIC OF NEW JERSEY (Ay Commission Exp. Feb. 14, 2002

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

RECORDED: 01/08/2001

RECORDED: 04/03/2013

PATENT REEL: 011448 FEAME: 0525