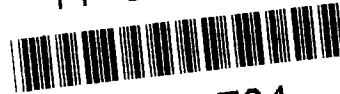


11-01-2005



HEET

103110794

MALIAKAL 3-1

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

102505 U.S. PTO  
11/25/902

102505

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

- 1. Ashok J. Maliakal
- 2. Ming L. Tang
- 3.
- 4.

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

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

(1) Name Lucent Technologies Inc.  
 Street Address: 600 Mountain Avenue  
 City: Murray Hill State: NJ  
 Country: USA Zip: 07974-0636

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

Execution Date(s)

10/24/2005;10/24/2005

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

(2) Name \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_  
 Country: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Additional name(s) and Address(es) attached?  Yes  No

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

A. Patent Application No.(s) N/A

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: Ronald J. Corbett  
 Internal Address: \_\_\_\_\_  
 Company: Hitt Gaines, PC  
 Address: P.O. Box 832570  
 City: Richardson  
 State TX Zip: 75083-2570  
 Phone Number (972) 480-8800  
 Fax Number (972) 480-8865  
 Email Address ron.corbett@hittgaines.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 by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date: \_\_\_\_\_  
 b. Deposit Account Number: \_\_\_\_\_  
 Authorized User Name: \_\_\_\_\_

9. Signature   
Signature

10/25/2005  
Date

Ronald J. Corbett  
Name of Person Signing

Total number of Pages including Cover sheet, attachments and documents 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

10/27/2005 YPOLITE1 00000022 11257902

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40.00 QP

**PATENT**  
**REEL: 017146 FRAME: 0936**

**ASSIGNMENT**

For value received, I/we Ashok J. Maliakal a citizen of USA in the County of Union and the State of NJ and Ming L. Tang a citizen of Malaysia in the County of Santa Clara and the State of CA, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of NJ, having an office at 600 Mountain Avenue, Murray Hill, NJ 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, in and to certain inventions related to "BRANCHED PHENYLENE-TERMINATED THIOPHENE OLIGOMERS" described in an application for Letters Patent of the United States, executed by me 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.

I/we authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all foreign countries 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.

I/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.

I/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.

I/we agree that, when requested, I 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.

Ashok J. Maliakal  
Ashok J. Maliakal

§

§

§

State of NJ

On this 24 day of October, 2005, before me personally came Ashok J. Maliakal, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Sharrunda A. Ross  
Notary Public

My Commission Expires

**Sharrunda A. Ross**

**Notary Public**

**My Commission Expires 06/01/06**

Lucent Technologies Inc.  
600 Mountain Avenue  
Murray Hill, NJ 07974-0636

  
Ming L. Tang

§  
§  
§

State of CA

On this \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came Ming L. Tang, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

*See attached Ca. All Purpose Acknowledgement form*  
Notary Public

My Commission Expires

Lucent Technologies Inc.  
600 Mountain Avenue  
Murray Hill, NJ 07974-0636

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

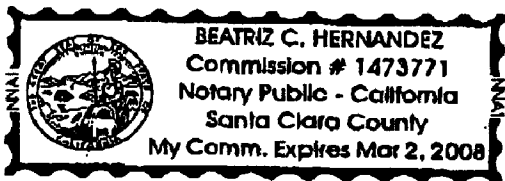
County of Santa Clara } ss.

On October 24, 2005 before me, Beatriz C. Hernandez, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Ming Lee Tang  
Name(s) of Signer(s)

personally known to me

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.

Beatriz C. Hernandez  
Signature of Notary Public

Place Notary Seal Above

**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 - Re: Docket # MALIAKAL 3-1

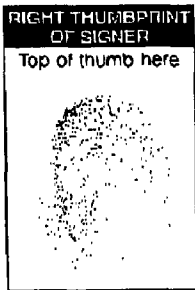
Document Date: 10/24/05 date signed Number of Pages: 1 (one)  
no date on the assignment.

Signer(s) Other Than Named Above: none

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

Signer's Name: Ming Lee Tang

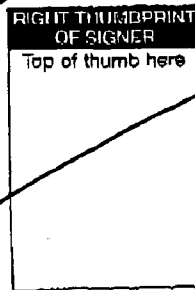
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney In Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: herself

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

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



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