

09-25-2002



102232724

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

1:879 U.S. PTO  
10/246843

09/18/02

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New **9-18-02**

☐ Resubmission (Non-Recordation)  
Document ID#

☐ Correction of PTO Error  
Reel #  Frame #

☐ Corrective Document  
Reel #  Frame #

**Conveyance Type**

☒ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☐ Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1) Moustakas, Aris Leonidas

Execution Date  
Month Day Year  
09-11-02

Name (line 2)

**Second Party**

Name (line 1) Simon, Steven Herbert

Execution Date  
Month Day Year  
09-11-02

Name (line 2)

**10246843**

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) Lucent Technologies, Inc.

Name (line 2)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 1) 600 Mountain Avenue

Address (line 2) P.O. Box 636

Address (line 3) Murray Hill

City

New Jersey

State/Country

07974-0636

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

09/23/2002 GGEEREG1 00000018 10246843

Address (line 1)

02 FC:581

40.00 OP

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 013310 FRAME: 0593**

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:  
Deposit Account

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes ☒ No ☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Jason Paul DeMont

Name of Person Signing



Signature

18 September 2002

Date

## ASSIGNMENT AND AGREEMENT

For value received, we, Aris Leonidas Moustakas, of New York City in the County of New York and State of New York, and Steven Herbert Simon, of Hoboken in the County of Hudson 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, P.O. Box 636, 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 FOR MODELING AN INFORMATION CAPACITY OF A MULTIAN TENNA WIRELESS SYSTEM** 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.

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.

  
Aris Leonidas Moustakas

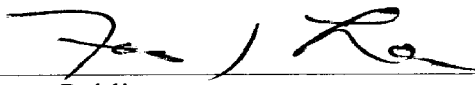
Date: 9-11-02.

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 11<sup>th</sup> day of September, 2002, before me personally came Aris Leonidas Moustakas, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

**FRANCES J. LEVINE**  
Notary Public of New Jersey, USA  
Registered in Middlesex County  
My Commission Expires July 30, 2003

Steven Herbert Simon  
 Steven Herbert Simon

Date: 9/11/02

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 11<sup>th</sup> day of September, 2002, before me personally came Steven Herbert Simon, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Frances J. Levine  
 Notary Public

Jason Paul DeMont  
 DeMont & Breyer, L.L.C.  
 224 English Place  
 Basking Ridge, NJ 07920  
 908-903-1255

**FRANCES J. LEVINE**  
 Notary Public of New Jersey, USA  
 Registered in Middlesex County  
 My Commission Expires July 30, 2007