To the Honorable Commissioner of I attached original documents or co 1. Name of conveying party(ies): of receiving party(ies) 101089119 R. Michael BUEHRER, Mark D. HAHM, Shang-Chieh Name: Lucent Technologies Inc. LIU, and Steven P. NICOLOSO Internal Address: Additional name(s) of conveying party(ies) attached? Street Address: 600 Mountain Avenue, P.O. Box 636 3. Nature of conveyance: Merger City: Murray Hill State: NJ ZIP: 07974-0636 Security Agreement ☐ Change of Name Additional name(s) & address(es) attached? Yes Other Execution Date: June 24, 24, 22, and 24, 1999 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: June 24, 1999 A. Patent Application No(s). B. Patent No.(s) Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 1 concerning document should be mailed: 6. Total number of applications and patents involved: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP 7. Total fee (37 CFR 3.41): \$ 40.00 Enclosed Internal Address: P.O. Box 747 Falls Church, Virginia 22040-0747 Authorized to be charged to deposit account 10 E Street Address: 8110 Gatehouse Road, Suite 500 East 8. Deposit account number: 12-2325 City: Falls Church ZIP: 22042 State: VA (Attach triplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. 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. Gary D. Yacura, Reg. No. 35,416 June 29, 1999 Name of Person Signing Date

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

Total number of pages including cover sheet, attachments, and document

ASSIGNMENT AND AGREEMENT

For value received, we, R. Michael BUEHRER of Morristown in the County of Morris and State of New Jersey, Mark D. HAHM of Mt. Arlington in the County of Morris and State of New Jersey, Shang-Chieh LIU of Dover in the County of Morris and State of New Jersey; and Steven P. NICOLOSO of Parsippany in the County of Morris 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 BASE STATION SYSTEM INCLUDING PARALLEL INTERFERENCE CANCELLATION PROCESSOR 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.

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.

R. Michael BUEHREI

Date: 6/24/99

United States of America

State of You Juney

) ss.:

City of Whypo

On this day of personally came R Michael BUEHRER, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

BARBARA ARMSTRONG
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 14, 1999

Date: C 2499

United States of America)

State of New Jessey) ss.:

County of Morris)

On this J day of June , 1975, before me personally came Mark D. HAHM, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

BARBARA ARMSTRONG
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 14, 1999

Case Name and No. 116547/Buehrer 2-4-1-2 Attorney Docket No. 2925-0230P

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Shang-Chieh LIU

Date:

United States of America

State of New Juney
County of Morris) ss.:

day of personally came Shang-Chieh LIU, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

BARBARA ARMSTRONG NOTARY PUBLIC OF NEW JERSEY My Commission Expires July 14, 1999 Case Name and No. 116547/Buehrer 2-4-1-2 Attorney Docket No. 2925-0230P

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Steven P. NICOLOSC

Date: 6/24/99

United States of America

State of New Juny) ss.:

County of Morris

On this day of the personally came Steven P. NICOLOSO, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

BARBARA ARMSTRONG

NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 14, 1999

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

RECORDED: 06/29/1999