FORM PTO-1595 (Rev. 6-93) OMB-0651-0011 To the Honorable Commissioner of	
1. Name of conveying party(ies) 102726	107 and address of receiving party(ies)
Bertrand M Hochwald	Name: Lucent Technologies Inc.
4-19-04	Internal Address:
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	
3. Nature of conveyance:	Street Address: 600 Mountain Avenue
	P.O. Box 636
☐ Security Agreement ☐ Change of Name ☐ Other	City: Murray Hill State: NJ ZIP: 07974-0636
Execution Date(s): April 1, 2004	Additional name(s) & address(es) attached? ☐ Yes ☒ No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new applica	tion, the execution date of the application is:
A. Patent Application No.(s) 10/459900	B. Patent No.(s)
Additional numbers a	I ttached? ☐ Yes ☒ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name:Docket Administrator	7. Total fee (37 CFR 3.41) \$40.00
Internal Address: Room 3J-219	☐ Enclosed
	Authorized to be charged to deposit account
Street Address: 101 Crawfords Corner Road	8. Deposit account number: 12-2325
City: Holmdel State: NJ ZIP: 07733-3030	(Attach duplicate copy of this page if paying by deposit account)
	E THIS SPACE
Martin I. Finston, Reg. No. 31613 Name of Person Signing	ignature April 14, 2004 Ignature heet, attachments, and document: 3 pages
	h required cover sheet information to:
04/20/2004 EC00PER 00000124 122325 10459900 Director of the US Pate PO B	nt Recordation Services ent and Trademark Office fox 1450 VA 22313-1450
I hereby certify that this correspondence is being deposited with the Un addressed to: Mail Stop Assignment Recordation Services, Director of 22313-1450 on Control of Control o	ited States Postal Service as first class mail in an envelope f the US Patent and Trademark Office, PO Box 1450, Alexandria, VA

PATENT

REEL: 015221 FRAME: 0782

ASSIGNMENT AND AGREEMENT

For value received, I, Bertrand M Hochwald, of Summit in the County of Union and the 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, my entire right, title and interest, for the United States of America, in and to certain inventions related to Method Of Signal Transmission To Multiple Users From A Multi-Element Array described in an application for Letters Patent of the United States, Serial No. 10/459900, filed June 11, 2003, 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. my 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 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.

I 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 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: 015221 FRAME: 0783 I 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.

Bertrand M Hochwald

Date: 4 1 04

United States of America)

State of hew young) ss..

County of Union

Notary Public & Onga

CATHERINE F. DUGAN NOTARY PUBLIC OF NEW JERSEY Commission Expires 1/17/2007

Lucent Technologies Inc.
Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

RECORDED: 04/19/2004

PATENT REEL: 015221 FRAME: 0784