	FORM PTO-1596 (Rev. 6-93)	03-23-1	03-23-1999		SHEET U.S. DEPARTMENT OF COM		
1724 3.11.99	OMB No. 0651-0011 (exp. 4/94)				Patent ar	nd Tradernar	
	Tab settings □ □ □ ▼				▼		
	To the Honorable Commissioner of 1009923		.ttached original documents or copy thegot.				
	1. Name of conveying party(ies): 1-Rajiv Laroia 2-Junyi Li 3-Michaela Catalina Vanderveen Additional name(s) of conveying party(ies) attached?   Yes  No		2. Name and address of receiving party(ies)  Name: Lucent Technologies Inc. 50  Internal Address:			09/2674	
	3. Nature of conveyance:						
	XX Assignment	☐ Merger	Street Ac	kdress: 600 M	ountain Aven	ue	
	☐ Security Agreement	☐ Change of Name		P. O.	Box 636		
	Other		City: Mu	rray Hill	State: NJ	ZIP: 0797 063	
	recution Date: March 11, 1999		Additional name(s) & address(es) attached? □ Yes ☒ No				
	A. Patent Application No.(s)  Additional numbers attach			B. Patent No.(s)			
	<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>		6. Total number of applications and patents involved:				
	Name: Docket Administrator		7. Total fee (37 CFR 3.41)\$ 40.00				
l	Internal Address: Room 3C-512		☐ Enclosed				
			XX Auth	orized to be char	rged to deposit a	ccount	
	Street Address: 600 Mount	tain Avenue	8. Deposit	account number	12-2325		
	City: Murray Hill State:	NJ ZIP: 07974- 0636	(Attach du	plicate copy of this p	age if paying by dep	osit account)	
. 6 03/2	2/1999 JSHABAZZ 00000250 122325 0926747	والمراجعية أأنا أنت بالمراجع المراجع والمراجع وا	SE THIS SPACE				
, j	-501 (40.00 CH)						
VI	9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and comoct and any attached copy is a true copy the original document.					is a true copy o	
	Eugene J. Rosenthal Wylie J. Forth Masch 11, 199					11,1999	
1	Name of Person Signing  Laro1a 9-1-1  Total number of pages including cover sheet, attachments, and document:  5					Date	
	Laro1a 9-1-1 Total number of pages including cover sheet, attachments, and document:						

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

REEL: 9825 FRAME: 0473

## ASSIGNMENT AND AGREEMENT

For value received, we, Rajiv Laroia, of Princeton Junction in the County of Mercer and State of New Jersey, Junyi Li, of Lakewood in the County of Ocean and State of New Jersey, and Michaela Catalina Vanderveen, of Lincroft in the County of Monmouth 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 Orthogonal Frequency Division Multiplexing Based Spread Spectrum Multiple Access 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.

PATENT REEL: 9825 FRAME: 0474

but at its expense, sign all papers,	we shall, without charge to Lucent Technologies Incand do all acts which may be necessary, desirable of applications, patents, or other forms of protection.  Rajiv Laroia
Date: March 11, 1999	
United States of America	)
State of 1'ew Jersey	) ss.:
County of Union	)
personally came Rajiv Laroia, to me	March ,19 99, before me known to be the individual described in and who ex d 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

PATENT REEL: 9825 FRAME: 0475 Junyi Li

Date: March 11, 99

United States of America )

State of New Jersey ) ss.:

County of Union

On this // day of March ,1999, before me personally came Junyi Li, 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

PATENT REEL: 9825 FRAME: 0476

R. Laroia 9-1-1

United States of America

State of New Tersey ) ss.:

County of Union

On this 1/th day of March 1999, before me personally came Michaela Catalina Vanderveen, 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 of New Jersey, USA
Registered in Middlesex County
My Commission Expires July 30, 2003

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

PATENT
RECORDED: 03/11/1999 REEL: 9825 FRAME: 0477