RE DO OSIZIK	Ocket No.: FAN1-1-1-3-4-2-35-7-4-4	
FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
Tab settings + + + PATENT		
To the Honorable Commissioner of Patents 1013	302061 ched original documents or copy thereof.	
1. Name of conveying party(ies): Zhencan F. Fan Steven P. O'Neill Hong-Tai Man John W. Osenbach Arlon R. Martin Edward A. Pitman Steven L. Moyer Renyi Yang Mary J. Nadeau Craig A. Young	2. Name and address of receiving party(ies): Name: Lucent Technologies Inc. Internal Address:	
Additional names(s) of conveying party(ies) 🛛 🗌 Yes 🗶 No		
3. Nature of conveyance:		
X Assignment	Street Address: 600 Mountain Avenue	
Security Agreement Change of Name		
Other	City: Murray Hill State: NJ ZIP: 07974	
Execution Date: 2/23/00; 3/1,6,15/00	Additional name(s) & address(es) attached? 🔲 Yes 🛛 No	
4. Application number(s) or registration numbers(s):		
	n, the execution date of the application is: 2/23,28/00, 3/1,6,10/	
It this document is being med together with a new application		
A. Patent Application No.(s)	B. Patent No.(s)	
09/465,468 Filed:		
12/16/99		
03/29/2000 NHARHOL 00000076 122325 09465468		
02 FC:581 (40.00 CH) Additional numbers attac	hed? 🗋 Yes 🗷 No	
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved:	
Name: Glen E. Books, Esq.	7. Total fee (37 CFR 3.41):\$ 40.00	
Internal Address:	 Enclosed - Any excess or insufficiency should be credited or debited to deposit account 	
matilens, conins, biepliere e coura, rick	Authorized to be charged to deposit account	
Street Address: 100 Thanet Circle, Suite 306	8. Deposit account number:	
	12-2325	
City: Princeton State: NJ ZIP: 08540		
DO NOT	USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document. Glen E. Books, Esg.	nation is true and correct and any attached copy is a true copy	
Name of Person Signing	Signature 9 Date	
Total number of pages including cover s		
Ľ	PATENT REEL: 010641 FRAME: 0378	

ASSIGNMENT AND AGREEMENT

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For value received, we, Zhencan Frank Fan of Macungie in the County of Lehigh and State of Pennsylvania, Hong-Tai Man of Bernards Township in the County of Somerset and State of New Jersey, Arlon R. Martin of Blandon in the County of Berks and State of Pennsylvania, Steven L. Moyer of Sinking Spring in the County of Berks and State of Pennsylvania, Mary J. Nadeau of Bethlehem in the County of Northampton and State of Pennsylvania, Steven P. O'Neill of Allentown in the County of Lehigh and State of Pennsylvania, John William Osenbach of Kutztown in the County of Berks and State of Pennsylvania, Edward A. Pitman of Grantville in the County of Dauphin and State of Pennsylvania, Renyi Yang of Allentown in the County of Lehigh and State of Pennsylvania, and Craig A. Young of Nazareth in the County of Northampton and State of Pennsylvania, 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 MULTIMODE FIBER COMMUNICATION SYSTEM WITH ENHANCED BANDWIDTH described in an application for Letters Patent of the United States, filed on December 16, 1999, under U.S. Serial No. 09/465,468, 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

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protection for said inventions and to claim the aforesaid benefit of the right of priority.

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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. they may designate.

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.

PATENT REEL: 010641 FRAME: 0380

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Zhencan Frank Fan

Date: 3/1/2000

State of Purney Man a) ss.:

County of Lehryn

On this ______day of <u>March</u>, <u>19</u>20, before me personally came Zhencan Frank Fan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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Parch Haffer

Notary Public

NOTARIAL SEAL DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Commission Expires Jan. 6, 2003

00 () Date:_

State of her June) ss.:

County of Mon 0-D-)

23 day of February, 2000, before me On this personally came Hong-Tai Man, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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atucia 9 tit Notary Public

PATRICIAA. FIT IGIERONS MOTARY FUELIC OF NEW RESEY Lay Commission Expires Francis A

> PATENT REEL: 010641 FRAME: 0382

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Remart

Arlon R. Martir Arlen se

Date: 3/1/2000

State of Kennsy / Vania) ss.:

County of Lehigh) On this 1St day of March , $18 \frac{16}{1/h}$, before me personally came Arlon R. Martin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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NOTARIAL SEAL DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County Commission Expires Jan. 6, 2003

Mary Fublic Notary Public Stars L. Mayer Steven L. Mover

Date:

United States of America

State of Pennsylvania) ss.:

County of Lehigh

On this 1st day of March ____, 19_<u>4/h</u>, before me personally came Steven L. Moyer, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

NOTARIAL SEAL DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Commission Expires Jan. 6, 2003

Mare L Huffes Notary Public

6

Mary J. Nadeau/

Date: 3/6/2000

State of Konsylvania) ss.: County of Lehigh) On this 6th day of March

On this $\underline{0}^{\mathcal{H}}$ day of \underline{March} , $\underline{19}^{\mathcal{H}}$, before me personally came Mary J. Nadeau, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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NOTARIAL SEAL
DIANE L. HUGHES, Notary Public
Breinigsville, Lehigh County
My Commission Expires Jan. 6, 2003

Mare L Hufkez_ Notary Public

Ston P. O' Mail

Date: 3/1/00

United States of America

State of Pennsy/vania) ss .:

County of Lehigh) On this _____ day of <u>March</u> $19 \underline{-4/h}^{000}$ before me personally came Steven P. O'Neill, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

NOTARIAL SEAL DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Commission Expires Jan. 6, 2003

William Osenbach

Date: March 1 2000

United States of America

State of Remsylvania) ss.:

County of Lehigh

On this ______ day of March , 19 d/h, before me personally came John William Osenbach, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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NOTARIAL SEAL DANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Cummission Expires Jan. 6, 2003

Edward A. Pitman

Date: 3/1/2000

United States of America

State of Rennsylvania) ss.:

County of Lehigh

On this 1 st _____ day of Murch

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fath , before me

personally came Edward A. Pitman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Dian L Hughes

NOTARIAL SEAL DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Commission Expires Jan. 6, 2003

PATENT REEL: 010641 FRAME: 0385

Notary	Public
1100019	

Jangkenyr

Renyi Yang

Date: March 15, 2000

State of CALIFORNIA) ss.:

County of Sam Bradara) RAC On this 15 marcos day of MARCH _, **28____**, before me personally came Renyi Yang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

RHEA D. ERNEST COMM #1178172 NOTARY PUBLIC - CALIFOR SANTA BARBARA COUNT My Comm. Exp. APR 29, 2		Notary F Chaing Q.	your	
-		Craig A. Young		
Date: March 1, 2001	<u>) </u>			
United States of America)			
State of Pennsylvania) ss.:			
County of Lehigh)			
On this/ ડُ≁ personally came Craig A. Υοι		March	,	ore me
personally came craly A. rot	-			

and who executed the foregoing instrument, and acknowledged execution of the same.

Daved thighes

NOTARIAL SEAU DIANE L. HUGHES, Notary Public Breinigsville, Lehigh County My Commission Expires Jan. 6, 2003

PATENT REEL: 010641 FRAME: 0386

Lucent Technologies Inc.

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RECORDED: 03/27/2000