

PA 10-01-1999		SHEET ITS ONLY	
TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS		(S):	
SIR: PLEASE RECORD THE ATTACHMENT NO. 101160804		COPY THEREOF.	
1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)): med 9-21-99			
1. George F. GROSS, JR. 2. Carl R. Stevenson ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:			
NAME: Lucent Technologies Inc.			
ADDRESS: 600 Mountain Avenue, P.O. Box 636, Murray Hill, New Jersey 07974-0636			
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
3. NATURE OF CONVEYANCE (DOCUMENT):			
(Submit herewith <u>only one document</u> for recordation -- multiple copies of same Assignment signed by different inventors is one document)			
<input checked="" type="checkbox"/> ASSIGNMENT OF <input checked="" type="checkbox"/> WHOLE <input type="checkbox"/> PART INTEREST		EXEC. DATE: September 13, 1999	
<input type="checkbox"/> CHANGE OF NAME <input type="checkbox"/> VERIFIED TRANSLATION			
<input type="checkbox"/> SECURITY <input type="checkbox"/> MERGER <input type="checkbox"/> OTHER:		09/400,302	
4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ↑↓ DIFFER SEE ATTY!): September 13, 1999			
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
A. PAT. APP. NO.(S) series code/serial no	M#	1ST INVENTOR if not in item 1	B. PATENT NO(S)
(unknown)	73-903	GROSS	
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:		6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS: <u>1</u> = TOTAL <u>1</u>	
FARKAS & MANELLI, P.L.L.C. 2000 M Street, N.W. 7 th Floor Washington, DC 20036-3307		7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL X \$40 = \$ 40	
5.5 ATTY DKT:		8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 12-2325	
73-903	GROSS 20-10	UNDER ORDER NO:	GROSS 20-10
MATTER NO.	CLIENT REF.	dup. sheet not required	CLIENT/MATTER
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.			
Signature: <i>[Signature]</i> 09/30/1999 DALEXAND 00000007 122325 09400302 02 F0 581 10.000000 Attorney: William H. Bollman Reg. No. 36,457 Atty/Sec:		10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	
		4	
Date: September 21, 1999		Fax: (202) 887-0336	
TEL: (202) 261-1020			

FILE WITH PTO RETURN RECEIPT

ASSIGNMENT AND AGREEMENT


For value received, we, **George F. GROSS, Jr.**, of **Fleetwood**, in the County of **Berks** and State of **Pennsylvania**; & **Carl R. STEVENSON**, of **Macungie**, in the county of **Lehigh** 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 **DIRECT DIGITAL SYNTHESIS** 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. they 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.



George F. GROSS, Jr.

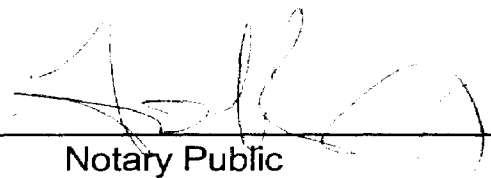
Date: 9/13/99

United States of America)

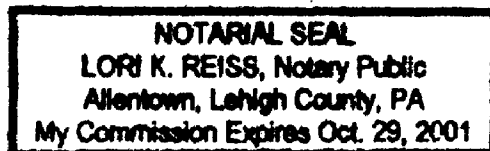
State of Penn) ss.:

City of Allentown)

On this 13 day of September, 1999, before me personally came **George F. GROSS, Jr.**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public





Carl R. STEVENSON

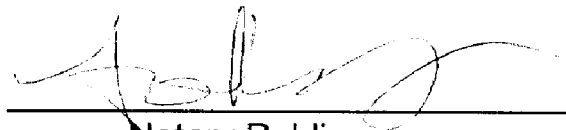
Date: 9/13/99

United States of America)

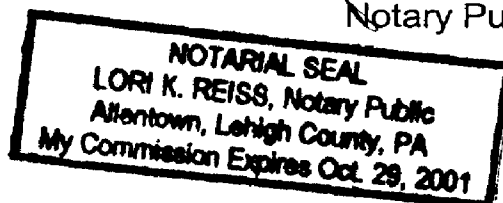
State of Penn) ss.:

County of Lehigh)

On this 13 day of September, 1999, before me personally came **Carl R. STEVENSON**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



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