

Docket Number: 112772

02-25-1999

U.S. Department of Commerce  
Patent and Trademark Office



PATENT

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Name (line 1)	Naguib, Ayman F	Execution Date MMDDYYYY 11/05/1998
Name (line 2)		

<b>Second Party</b>		
Name (line 1)	Seshadri, Nambirajan	Execution Date MMDDYYYY 11/05/1998
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Mail documents to be recorded with required cover sheet(s) information to:  
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REEL: 9775 FRAME: 0732

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<b>NAME</b>	Samuel H. Dworetsky				
<b>ADDRESS</b>	AT&T CORP. P.O. Box 4110				
<b>CITY</b>	Middletown	<b>STATE</b>	New Jersey	<b>ZIP CODE</b>	07748-4801
<b>COUNTRY</b>	United States of America			<b>FAX</b>	732-957-5505

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)	Patent Number(s)
09/149163	
60/061145	

If this document is being filed with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment :

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Deposit Account

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Deposit Account Number: 01-2745

Authorization to charge additional fees:  Yes  No

**STATEMENT AND SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

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.

<b>NAME</b>	Rosemary Drazenovich		
<b>TELEPHONE</b>	732) 957 3273		
<b>SIGNATURE</b>	<i>Rosemary Drazenovich</i>	<b>DATE</b>	02/10/1999

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 02/12/1999

Type or Printed Name	Rosemary Drazenovich		
Signature	<i>Rosemary Drazenovich</i>	Date	02/12/1999

SEND TO: Assistant Commissioner for Patents, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 9775 FRAME: 0733**

## ASSIGNMENT AND AGREEMENT

For value received, we, Ayman F. Naguib, of New Providence in the County of Union and State of New Jersey, and Nambirajan Seshadri, of Chatham in the County of Morris and State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, 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 **Combined Interference Cancellation And Maximum Likelihood Decoding Of Space-Time Block Codes**, described in an application for Letters Patent of the United States, Serial No. 09/149163, filed September 4, 1998, and based on our prior provisional application, Serial No. 60/061145, filed October 6, 1997, 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 AT&T Corp. 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.

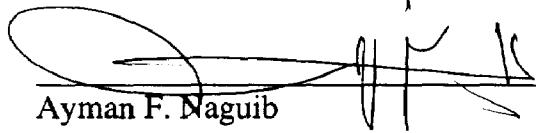
We authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from 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 AT&T Corp. 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 AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

A. F. Naguib 3-39

We agree that, when requested, we shall, without charge to AT&T Corp. 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.

  
Ayman F. Naguib

Date: 11/05/98

United States of America                    )  
State of New Jersey                    ) ss.: 618-38-9600  
County of Morris                        )

On this \_\_\_\_\_ day of NOV 05 1998, 19\_\_\_\_, before me personally came Ayman F. Naguib, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

**MARGO BAKER**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 3/10/2003**

Nambirajan Seshadri  
Nambirajan Seshadri

Date: 11/05/98

United States of America )

State of New Jersey ) ss.: 032-62-3799

County of Morris )

On this \_\_\_\_\_ day of NOV 05 1998, 19\_\_\_\_, before me personally came Nambirajan Seshadri, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Margo Baker  
Notary Public

**MARGO BAKER**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 3/10/2003

AT&T Corp.  
P. O. Box 4110  
Middletown, New Jersey 07748