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(Rev. 6-93)

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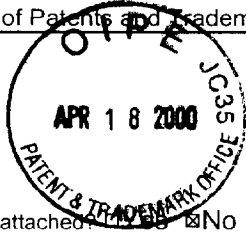
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SHEET U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Y 2685/5382

OMB No. 0651-0011(exp. 4/94)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Jack Harriman WINTERS
Jeng-Kuang HWANG



2. Name and address of receiving party(ies):

Name: **AT&T Corporation**
Internal Address:
Street Address: **32 Avenue of the Americas**
New York, NY 10013-2412

Additional name(s) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other _____
- Merger
- Change of Name

Execution Date: **March 12, 2000 and April 11, 2000**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/469,609

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Frank Pietrantonio
KENYON & KENYON
Suite 700
1500 K Street, NW
Washington, DC 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

11-0600

(Attach duplicate copy of this page if paying by deposit account)

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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.

Paul T. Qualey (Reg #45,027)
Name of Person Signing

Signature

4/18/00
Date

Total number of pages including cover sheet: 7

OMB No. 0651-0011 (exp. 4/94)

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PATENT
REEL: 010714 FRAME: 0638

ASSIGNMENT AND AGREEMENT

For value received, we, **Jack Harriman Winters**, of Middletown in the County of Monmouth and State of New Jersey, and **Jeng-Kuang Hwang**, of Chung-Li City, Taiwan in the Republic of China, 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 **METHOD FOR SINUSOIDAL MODELING AND PREDICTION OF FAST FADING PROCESSES** 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 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.

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.

Jack Harriman Winters

Date: _____

United States of America)

State of)ss:

County of)

On this _____ day of _____, 19____, before me personally came **Jack Harriman Winters**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Jeng-Kuang Hwang
Jeng-Kuang Hwang

Date: April 11, 2000

WITNESSED BY:

Hsing-Hsi Chen
Name:

No. 135, Far-East Rd.,

Nei-Li, Chung-Li, Taiwan 320
Address

WITNESSED BY:

Zing-Huang
Name:

No. 135, Far-East Rd.,

Nei-Li, Chungli, Taiwan 320
Address

ASSIGNMENT AND AGREEMENT

For value received, we, **Jack Harriman Winters**, of Middletown in the County of Monmouth and State of New Jersey, and **Jeng-Kuang Hwang**, of Chung-Li City, Taiwan in the Republic of China, 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 **METHOD FOR SINUSOIDAL MODELING AND PREDICTION OF FAST FADING PROCESSES** 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 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.

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Jack Harriman Winters
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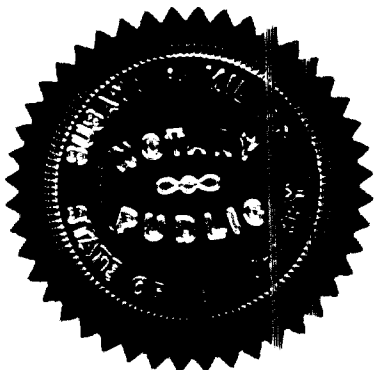
Date: 3-31-2000

United States of America)

State of NEW JERSEY)ss:

County of MONMOUTH)

On this 21st day of MARCH, 2000, before me personally came **Jack Harriman Winters**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Susann R Miller
Notary Public

Susann R Miller
Notary Public of New Jersey
My Commission Expires 07 23 2004

Jeng-Kuang Hwang

Date: _____

WITNESSED BY:

Name

Address

WITNESSED BY:

Name

Address