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ASSIGNMENT

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Execution Date
(Month Day Year)

Name **Sirikiat Lek Ariyavisitakul**
Name
Name
Name

1/26/99

Receiving Party

Mark if additional names of conveying parties attached

Name **AT&T Corp.**
Address **P.O. Box 4110
Middletown, NJ 07748**

Domestic Representative

Correspondent Name and Address

Name **Henry T. Brendzel**
Address **P.O. Box 574
Springfield, NJ 07081**

Telephone Number **(973) 467-2025**

Pages

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2

Application Number(s) or Patent Number(s)

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09/215074

If this document is being filed together with a new Patent Application,
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1/26/99/1/26/99

Patent Cooperation Treaty (PCT)

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Enter PCT application number only if a US Application Number has NOT been assigned

PCT PCT PCT PCT PCT

Number of Properties

Enter the total number of properties involved

0

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41) \$ **40**

Method of payment Via enclosed Fees Form

Enclosed

Deposit Account

Authorization to charge additional fees, if necessary

Yes

No

Account Number **500732**

Statement and Signature

To the best of knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Henry T. Brendzel

Name of Person Signing

Signature

Date

2/1/99

02/05/1999 SBURMS 00000159 09215074

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01 FC:581

40.00 DP

PATENT
REEL: 9741 FRAME: 0897

ASSIGNMENT AND AGREEMENT

Alpharetta
SA

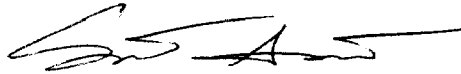
For value received, we, ~~Fullon~~^{SA} Siriat Lek Ariyavisitakul of ~~Tinton Falls~~^{GA} in the County of ~~Monmouth~~^{SA} and State of ~~NJ~~^{GA}, Ye Li of Atlantic Highlands in the County of Monmouth and State of NJ, Nambirajan Seshadri of Chathan in the County of Morris State of NJ, and Vahid Tarokh of Hackensack in the County of Bergen and State of NJ, 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 **Channel Estimation for OFDM Systems With Transmitter Diversity** 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.

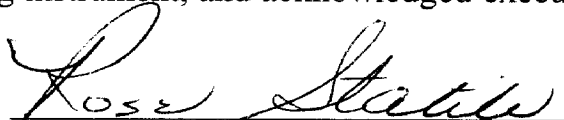


Siritiat Lek Ariyavisitakul

Date 1/26/99

United States of America)
State of Georgia)ss.: 145-84-7516
City of Alpharetta)

On this 26th day of JANUARY, 1999,
Before me personally came Siritiat Lek Ariyavisitakul, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

**Notary Public, Gwinnett County, Georgia
My Commission Expires Aug. 11, 2001**

Ye Li

Date _____

United States of America)
State of)ss.:
City of)

On this _____ day of _____, 19____,
Before me personally came Ye Li, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public