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SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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



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To the Honorable Commissioner of P.

100679863

Attached original documents or copy thereof

09/035210
JDC

1. Name of conveying party(ies):

David James Ryan

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

2. Name and address of receiving party(ies)

Name: AT&T Wireless Services, Inc.

Internal Address: _____

Street Address: 5000 Carillon Point

City: Kirkland State: WA ZIP: 98033

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

3. Nature of conveyance:

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

Execution Date: March 3, 1998

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: March 3, 1998

A. Patent Application No.(s)

09035210

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Mr. S. H. Dworetsky

Internal Address: AT&T Corp.

Street Address: P.O. Box 4110

03/26/1998 BSTEWARD 00000115 DAN:012745 09035210

51 FC:581 40.00 CH

City: Middletown State: NJ ZIP: 07748

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

01-2745

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

DO NOT USE THIS SPACE

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.

Stephen M. Gurey

March 5, 1998

Ryan 6

Name of Person Signing Reg. No. 27336

Signature

Date

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT AND AGREEMENT

For value received, I, David James Ryan, of Seattle in the County of King and State of Washington, hereby sell, assign and transfer to AT&T Wireless Services, Inc., a corporation of the State of Delaware, having an office at 5000 Carillon Point, Kirkland, Washington 98033, 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 **Synchronization Preamble Method For OFDM Waveforms In A Communications System**, described in an application for Letters Patent of the United States, executed by me 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 I also concurrently hereby sell, assign and transfer to AT&T Wireless Services, 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.

I authorize AT&T Wireless Services, 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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 Wireless Services, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to AT&T Wireless Services, Inc. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Wireless Services, Inc. may designate.

D.J. Ryan 6

I agree that, when requested, I shall, without charge to AT&T Wireless Services, 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.

David James Ryan
David James Ryan

Date: 3-3-98

United States of America)

State of Washington) ss.:

County of King)



On this 3rd day of March, 19 98, before me personally came David James Ryan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Raeann Smith
Notary Public

AT&T Wireless Services, Inc.
P. O. Box 4110
Middletown, New Jersey 07748