



07-28-1999

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PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):  
**MAHBUBA SHEBA**

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

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

Name: ANRITSU COMPANY

Address: 490 Jarvis Drive

Morgan Hill, CA 95037-2809

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

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: April 22, 1999

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

A. Patent Application No.: 09/247,425

Title: NON-COHERENT, NON-DATA-AIDED  
PSEUDO-NOISE SYNCHRONIZATION AND  
CARRIER SYNCHRONIZATION FOR QPSK OR  
OQPSK MODULATED CDMA SYSTEM

Filed Date: February 10, 1999

B. Patent No(s).:

Additional numbers attached?  Yes  No

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

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

Name: MARTIN C. FLIESLER

Address: Fliesler, Dubb, Meyer & Lovejoy

Four Embarcadero Center, Suite 400

San Francisco, CA 94111

Telephone: (415) 362-3800

6. Total Number of applications and patents  
involved: 1  \$40.00 each

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

Check Enclosed

8. Fee Authorization. Authorization is given to charge  
any additional fees or credit any  
overpayment to Deposit Account  
No. 06-1325.

Copy. (A duplicate copy of this authorization is  
**not** enclosed.)

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.*

Thomas A. Ward  
Attorney (Reg. No.: 35,732)

Thomas A. Ward  
Signature

7/23/99  
Date

10. Total number of pages to be recorded: 3 (1 page cover sheet and 2 page document).

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Attorney Docket No.: ANRI 8010 MCF/TAW  
taw/anri/8010.107

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07/23/99-10:19

PATENT  
REEL: 010118 FRAME: 0622

**SOLE TO CORPORATE ASSIGNMENT**

WHEREAS, the undersigned, Mahbuba Sheba, a resident of Texas (hereinafter termed "Inventor"), has invented certain new and useful improvements in:

**NON-COHERENT, NON-DATA-AIDED PSEUDO-NOISE  
SYNCHRONIZATION AND CARRIER SYNCHRONIZATION  
FOR QPSK OR OQPSK MODULATED CDMA SYSTEM**

and has executed a declaration or oath for an application for a United States patent disclosing and identifying the invention on the 22<sup>nd</sup> day of April, 1999;

WHEREAS **ANRITSU COMPANY** (hereinafter termed "Assignee"), a corporation of the State of California, having a place of business at 490 Jarvis Drive, Morgan Hill, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving

said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, said Inventor's heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that said Inventor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee.

Mahbuba Sheba  
Mahbuba Sheba

State of Texas )  
County of Dallas )

On April 22, 1999 before me, Christina P. Ward,  
(name and title of officer)

personally appeared MAHBUBA SHEBA, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Christina P. Ward

