

02-02-2000

COVER SHEET PCT/PTO

03 JAN 2000 PCT

09/423792

See attached original documents or copy thereof.

Tab settings

To the Honorable Commissioner

101257526

1. Name of conveying party(ies):

NAOKI SUEHIRO and NORIYOSHI KUROYANAGI

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

2. Name and address of receiving party(ies)

Name: NAOKI SUEHIRO, NORIYOSHI KUROYANAGI and TOYO COMMUNICATION EQUIPMENT CO., LTD.

Street Address: 18-14, Azuma 3-chome, Tsukuba-shi, Ibaraki 305-0031, Japan; 44-14, Sakuragaoka 3-chome, Higashiyamato-shi, Tokyo 207-0022, Japan; and 1-1, Koyato 2-chome, Samukawa-machi, Kouza-gun, Kanagawa 253-0192, Japan

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

3. Nature of conveyance:

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

Execution Date: December 1, 1999

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) 09/423,792

B. Patent No.(s)

09/423792

Additional numbers attached? Yes No

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

Name: KODA & ANDROLIA

Internal Address:

Street Address: 10100 Santa Monica Blvd.,

01/10/2000 PVBLPE 00000103 09/423792 Suite 2340

02/FC:581 City: Los Angeles State: CA ZIP: 90067

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:

11-1445

(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.

William L. Androlia Reg. No. 27,177

Name of Person Signing

Signature

Signature

01/03/2000

Date

Total number of pages including cover sheet, attachments, and document: 2

Assignment

172A 2905 PCT

- (1) Naoki SUEHIRO
- (2) Noriyoshi KUROYANAGI
- (3) _____ and
- (4) _____

(1-4) Insert Name(s) of Inventor(s)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign and hereby does assign, transfer and set over to Naoki SUEHIRO, Noriyoshi KUROYANAGI and
Toyo Communication Equipment Co., Ltd.

(5) Insert name of Assignee

- (6) 18-14, Azuma 3-chome, Tsukuba-shi, Ibaraki 305-0031, Japan; 44-14, Sakuragaoka 3-chome, Higashiyamato-shi, Tokyo 207-0022, Japan; and 1-1, Koyato 2-chome, Samukawa-machi, Kouza-gun, Kanagawa 253-0192, Japan

(6) Insert address of Assignee

(hereinafter designated as the Assignee) the entire right, title and interest for the United States its territories, dependencies and possessions, in the invention known as

(7) Insert Title of Invention

- (7) Comb-Form Spectrum Communication Systems using Repeated Complementary Sequence Modulation

for which the undersigned has (have) executed an application for patent in the United States of America

(8) Insert Date of Signing of Application

- (8) on December 1, 1999

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith

6) The undersigned hereby grant(s) WILLIAM L. ANDROLIA, Reg. No. 27,177 and H. HENRY KODA, Reg. No. 27,729 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

- Date December 1, 1999 Signature of Inventor Naoki Suehiro (SEAL)
- Date December 1, 1999 Signature of Inventor Noriyoshi Kuroyanagi (SEAL)
- Date _____ Signature of Inventor _____ (SEAL)
- Date _____ Signature of Inventor _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here

- Date December 1, 1999 Witness AKIHISA MORI
- Date December 1, 1999 Witness Hitoshi Suzuki

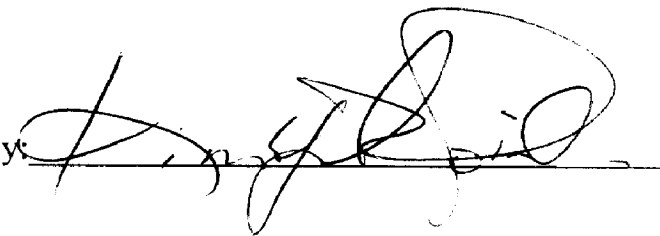
I hereby certify that this correspondence is being deposited with the United States Postal

Service as Express Mail No. EL514455425US addressed to:

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

on January 3, 2000 by Kimberly A. Quinlan

Dated: Jan. 3, 2000

By: 

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SUZUKI

Inventors:

NAOKI SUEHIRO and NORIYOSHI KUROYANAGI

Serial No.

09/423,792

For:

COMB-FORM SPECTRUM COMMUNICATION SYSTEMS USING
REPEATED COMPLEMENTARY SEQUENCE MODULATION