

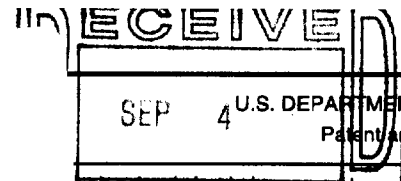
97,200

9-4-98

09-15-1998



100828646



Attached original documents or copy thereof.

To the Honorable Commissioner of Patent

1. Name of conveying party(ies)

Masatoshi Suzuki, Itsuro Morita,
Shigeyuki Akiba, Noboru Edagawa,
Shu Yamamoto

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

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

Name: Kokusai Denshin Denwa Kabushiki-Kaisha

Internal Address: _____

Street Address: 3-2 Nishishinjuku 2-chomeShinjuku-kuCity: Tokyo State: JAPAN ZIP: 163-03

3. Nature of conveyance:

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

Execution Date: May 20, 1997Additional name(s) & address(es) attached? ☐ Yes ☒ NoA domestic representative designation is attached: ☐ Yes ☒ No

(Designations must be a separate document from Assignment)

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). 08/864,192

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Timothy C. Meece

Address: BANNER & WITCOFF
ALLEGHEE, LTD.
 10 South Wacker Drive
 Suite 3000
 Chicago, Illinois 60606

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 No. 01-0850

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

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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.

Timothy C. Meece

Name of Person Signing

Signature

September 1, 1998

Date

Total number of pages comprising cover sheet:

3

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01 FC:581

40.00 UP

Commissioner of Patents and Trademarks
 Box Assignments
 Washington, D.C. 20231

ASSIGNMENT

Case No.: M.SUZUKI.et.,al
Inventor: _____
Date of Execution
of Application: May 20, 1997

Serial No.: 08/864,192
Filing Date: May 28, 1997

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

KOKUSAI DENSHIN DENWA KABUSHIKI-KAISHA

3-2 Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-03, Japan

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

OPTICAL FREQUENCY SHIFTER AND OPTICAL SOLITON-LIKE
RETURN-TO-ZERO PULSE TRANSMISSION SYSTEM USING
OPTICAL FREQUENCY SHIFTER

and identified as:

in the offices of **Banner & Witcoff, Ltd.** and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment,

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The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 20th day of May, 1997.

Masatoshi Suzuki
Masatoshi SUZUKI

Noboru Edagawa
Noboru EDAGAWA

Itsuro Morita
Itsuro MORITA

Shu Yamamoto
Shu YAMAMOTO

Shigeyuki Akiba
Shigeyuki AKIBA

