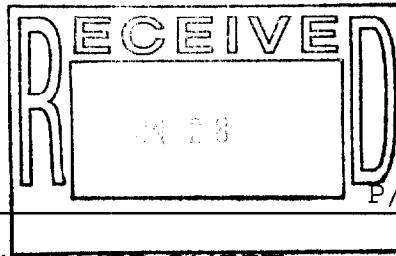


06-30-1999



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P/647-119

CLIENTS RECORDATION COVER SHEET

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

1. Name of conveying party(ies):

Yuki Nakamura
Yoshihiko Kuwahara
Tadashi Matsumoto
Kazuhiko Fukawa

Individuals

Additional names(s) of conveying party(ies) attached? NO

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

NEC Corporation
7-1, Shiba 5-chome, Minato-ku
Tokyo, JAPAN

Corporation of JAPAN

Additional name(s) & address(es) attached? NO

3. Nature of conveyance:

Assignment

Execution Date: April 30, 1999

6-28-99

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. Application No.(s)

09/277,684

B. Patent No.(s)

Additional numbers attached? NO

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

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 Avenue of the Americas
New York, New York 10036-8403

6. Total number of documents involved: 1

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

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8. 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.

Edward A. Meilman
Name of Person Signing

Edward A. Meilman
Signature

June 23, 1999
Date

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

06/29/1999 DNGUYEN 00000185 09277684

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WHEREAS, We, Yuki Nakamura, Yoshihiko Kuwahara, Tadashi Matsumoto,
and Kazuhiko Fukawa as assignors, have invented certain
improvements in Multiple Propagation Wave Parameter Measuring Method and Apparatus and
Machine-Readable Recording Medium Recording Multiple Propagation Wave* for which an application for
United States Letters Patent has been executed by me (us) of even date herewith; and
*Parameter Measuring Program received a filing date of 3/26/99 under S.N. 09/277,684

WHEREAS, NEC CORPORATION
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan
as assignee, is desirous of acquiring all right, title and interest in and to said
invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
valuable consideration, the receipt of which is hereby acknowledged, I (We), as as-
signor(s), hereby sell, assign and set over to said assignee the entire right, title
and interest for the United States and all other countries in and to said invention
and the aforesaid application for Patent, all original, divisional, continuation,
substitute or reissue applications and patents applied for or granted therefor in the
United States and all other countries, including all rights of priority from the fil-
ing of said application, and all rights for past infringement, and the Commissioner
of Patents and Trademarks is hereby authorized and requested to issue all patents on
said inventions or resulting therefrom to said assignee herein, as assignee of the
entire interest therein; and the undersigned for myself (ourselves) and my (our)
legal representatives, heirs and assigns do hereby agree and covenant without further
remuneration, to execute and deliver all divisional, continuation, reissue and other
applications for Patent on said inventions and all assignments thereof to said
assignee or its assigns, to communicate to said assignee or its representatives all
facts known to the undersigned respecting said inventions, whenever requested, to
testify in any interferences or other legal proceedings in which any of said applica-
tions or patents may become involved, to sign all lawful papers, make all rightful
oaths, and to do generally everything necessary to assist assignee, its successors,
assigns and nominees to obtain patent protection for said invention in the United
States and all other countries, the expenses incident to said applications to be
borne and paid by said assignee.

Date: April 30, 1999

Yuki Nakamura (中村)
Yuki Nakamura

Date: April 30, 1999

Yoshihiko Kuwahara (久川)
Yoshihiko Kuwahara

Date: April 30, 1999

Tadashi Matsumoto (松本)
Tadashi Matsumoto

Date: April 30, 1999

Kazuhiko Fukawa (福川)
Kazuhiko Fukawa

Witness:

Date: April 30, 1999

[Signature]

Date: April 30, 1999

[Signature]