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PATENTS



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

1. Name of conveying party(ies):

Takayuki SHIBATA

Individual

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: September 27, 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: Sept. 27, 1999

A. Application No.(s)

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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Max Moskowitz

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Signature

October 7, 1999

Date

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

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U.S. ASSIGNMENT - (SOLE OR JOINT)
LETTERS OR DESIGN PATENT APPLICATION
EXECUTED OUTSIDE U.S.A.

OFGS FILE NO.

P/2635-38

WHEREAS, I (We) TAKAYUKI SHIBATA

of Tokyo, Japan

as assignor(s), have invented certain improvements in

ADAPTIVE EQUALIZER COMPENSATING SIGNAL DISTORTION

ON TRANSMISSION PATH

for which an application for United States Patent
has been executed by me (us) of even date herewith
and 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 acknowledge, I, as assignor, 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 filing of said
application, and all rights for past infringement, and the
Commissioner of Patents is hereby authorized and requested
to issue all patents on said invention or resulting there-
from to said assignee herein, as assignee of the entire
interest therein; and the undersigned for myself and my
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 invention 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 invention, whenever requested, to testify in
any interferences or other legal proceedings in which any of
said applications or patents may become involved, to sign all
lawful papers, make all rightful oaths, and to do generally
everything necessary to aid said assignee, its successors,
assigns and nominees to obtain patent protection for said
invention in the United States and all countries, the expenses
incident to said applications to be borne and paid by said assignee.

Dated: September 27, 1999

Takayuki Shibata



TAKAYUKI SHIBATA

Witness:

Takayuki Shibata

[Signature]

RECORDED: 10/07/1999

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