

01-26-1999

Q052932

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1-31-92

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

1. Name of conveying party(ies):
Michimasa YAMAGUCHI, Tetsuya OOTA

Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies):
NEC CORPORATION
7-1, Shiba 5-chome
Minato-ku, Tokyo, Japan

Additional name(s) & address(es) attached?
 yes no

Jc135 U.S. PTO
09/229742
01/14/99

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Names
 Other

Execution Date: January 8, 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 January 8, 1999
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registrations involved: 1
7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to Deposit Account
8. Deposit Account No. 19-4880

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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.

J. Frank Osha Reg. No. 24,625
January 14, 1999 Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:
01/22/1999 DWGUYEN 00000103 09229742 Commissioner of Patents and Trademarks
01 FC:581 40.00 DP Box Assignments
Washington, D.C. 20231

PATENT
REEL: 9709 FRAME: 0516

Assignment

Whereas, ~~#~~We, MICHIMASA YAMAGUCHI and TETSUYA OOTA of Kanagawa, Japan

hereinafter called assignor(s), have invented certain improvements in

DIGITAL PHASE LOCKED LOOP CAPABLE OF SUPPRESSING JITTER

and executed an application for Letters Patent of the United States of America therefor on January 8, 1999 ; and

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

(assignee), desires to acquire the entire right title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

~~#~~We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and ~~#~~we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and ~~#~~we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

~~#~~We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: Jan. 8, 1999 st. Michimasa Yamaguchi MICHIMASA YAMAGUCHI

Date: Jan. 8, 1999 st. Tetsuya Oota TETSUYA OOTA

Witness:

[Signature]
[Signature]

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)