



03-22-2007

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Patent and Trademark Office



103385560

To the Director of the U.S. Patent and Trademark Office: Please

Address(es) below.

1. Name of conveying party(ies)

**Shinichi KAWADA and
Kenichi SHINDATE**

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) **February 20, 1996**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License

☒ Other To re-record the Assignment to correct the Assignee's name;
recorded on March 15, 1996(Reel 007912/Frame 0887).

2. Name and address of receiving party(ies)

Name: Oki Electric Industry Co., Ltd.

Internal Address: _____

Street Address: 7-12, Toranomon 1-chome

Minato-ku

City: Tokyo

State: _____

Country: Japan Zip: _____

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

08/616,962

B. Patent No.(s)

5,638,439

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steven M. Rabin

Internal Address: _____

Street Address: 1101 14th Street, N.W. Suite 500

City: Washington

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Phone Number: 202-371-8976

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 4591

Expiration Date 08/07

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Steven M. Rabin

Signature

March 19, 2007

Date

Steven M. Rabin

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **4**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22304-0145

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CORRECTED RECONCILIATION
FORM COVER SHEET

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AND COPYRIGHT LAW
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05-01-1996



RECOI

PATENT APPLICATION

LTD.

100184859

NAME OF CONVEYING PARTY : Shinichi KAWADA and Kenichi SHINDATE
NAME OF RECEIVING PARTY : OKI Electric Industry Co., Inc.
ADDRESS OF RECEIVING PARTY : 7-12, Toranomon 1-chome, Minato-ku, Tokyo, JAPAN
NATURE OF CONVEYANCE : Assignment of U.S. patent application
CONVEYANCE EXECUTION DATE : February 20, 1996
PATENT APPLICATION NO. : To be assigned
APPLICATION FILED TOGETHER WITH THIS DOCUMENT : YES
APPLICATION EXECUTION DATE : February 20, 1996
CORRESPONDENCE ADDRESS : Steven M. Rabin, Esq.
LAW OFFICE OF STEVEN M. RABIN, P.C.
1725 K Street, N.W., Suite 1111
Washington, D.C. 20006
ATTORNEY REFERENCE : SUN 141
TOTAL NUMBER OF PATENTS AND APPLICATIONS INVOLVED : One
TOTAL FEE PAID : \$40.00
METHOD OF PAYMENT : ☒ Enclosed
☐ Authorized to be charged to deposit account

69652 U.S. PTO
04/25/96

In the event there is attached hereto no check, or a check for an insufficient amount, please charge the fee to our Account No. 18-0002 and notify us accordingly.

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.

Steven M. Rabin
Steven M. Rabin
(Registration No. 29,102)

March 15, 1996
Date

SMR:kef

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1 581 40.00 CK

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

PATENT
REEL: 7912 FRAME: 0887

PATENT
REEL: 019063 FRAME: 0834

MRD 3-15-96
FEE ENCLOSED: \$40.00
Please charge any further fee to our Deposit Account No. 18-0002

Attorney Reference _____
ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Shinichi Kawada and Kenichi Shindate

c/o Oki Electric Industry Co., Ltd.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to ADAPTIVE FILTER AND ECHO CANCELLER

for which said assignor has caused an application for United States Letters Patent to be prepared, [x] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorney, Steven M. Rabin, of LAW OFFICE OF STEVEN M. RABIN, P.C., 1725 K Street, N.W., Washington, D.C. 20006, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, Serial No. _____, the United States of America being designated.

AND WHEREAS Oki Electric Industry Co., Ltd. of

7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 20th day of February, 1996.

WITNESSES:

Signature: Masayuki Muratani

Name: Masayuki Muratani

Address: c/o Oki Electric Industry Co., Ltd.

7-12, Toranomon 1-chome, Minato-ku,
Tokyo, Japan

Signature: _____

Name: _____

Address: _____

ASSIGNOR:

Signature: Shin-ichi Kawada

Name: Shinichi Kawada

Signature: Kenichi Shindate

Name: Kenichi Shindate

LAW OFFICE OF STEVEN M. RABIN, P.C.
 Washington, D.C.

PATENT

RECORDED: 03/15/1996

REEL: 7912 FRAME: 0888

PATENT

RECORDED: 03/19/2007

REEL: 019063 FRAME: 0835