

10-27-2003

Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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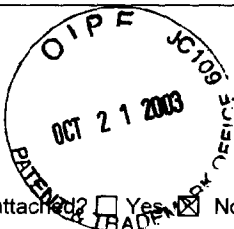
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To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Akihiro Tatsuta
Shotaro Tanaka
Koji AriiAdditional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: _____

10-21-03Street Address: 1006, Oaza Kadoma, Kadoma-shiOsaka 571-8501 JAPAN

City: _____ State: _____ Zip: _____

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

3. Nature of conveyance:

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

Execution Date: April 10, 2000, respectively

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)

09/484,441

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Smith, Gambrell & Russell

Internal Address: _____

Street Address: 1850 M Street, N.W.City: WashingtonState: DCZip: 200366. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

02-4300

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

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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.*Michael A. Makuch

Name of Person Signing

Signature

October 21, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

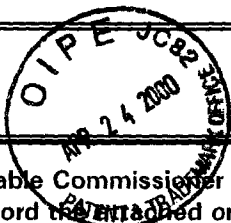
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To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copies thereof.

1. Name(s) of conveying party(ies):

Akihiro TATSURA, Shotaro TANAKA and Koji ARII

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

Matsushita Electric Industrial Co., Ltd.
1006, Oaza Kadoma,
Kadoma-shi, Osaka 571-8501 JAPAN

3. Nature of conveyance: Assignment

Execution Date: April 10, 2000

4A. Patent Application No.(s): 09/484,441

Application execution date : April 10, 2000

4B. Patent No.(s):

5. Name and Address of Party to whom correspondence regarding this document should be mailed:

Smith, Gambrell & Russell, LLP
Beveridge, DeGrandi, Weilacher & Young
Intellectual Property Group
1850 M Street N.W. (Suite 800)
Washington, DC 20036

202 659-2811

6. Total number of applications and patents involved : one

7. Total fee: \$40.00.

(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

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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.

Name of Person Signing : Michael A. Makuch, Reg. No. 32,263

Signature: 

Date: April 24, 2000

04/25/2000 MSHIFERA 00000055 09484441

01 FC:581

(40.00 DP)

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) Transmitting and receiving apparatus capable of the suppression of the microphonic noise in digital transmission system.

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☒ U.S. patent application Serial No. 09/484,441, filed 01/18/2000.
- ☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).
- ☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Matsushita Electric Industrial Co., Ltd.

(Address) 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN

The ASSIGNEE is:

- (check one) ☐ An Individual.
- ☐ A Partnership.
- ☒ A Corporation of JAPAN (specify state or country)
- ☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and,
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO

ASSIGNEE: Matsushita Electric Industrial Co., Ltd.

INVENTION TITLE: Transmitting and receiving apparatus capable of the
suppression of the microphonic noise in digital
transmission system

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

<u>Akihiro TATSUTA</u>	<u>Akihiro Tatsuta</u>	<u>April 10, 2000</u>
Name of sole or first inventor	Signature	Date
<u>Shotaro TANAKA</u>	<u>Shotaro Tanaka</u>	<u>April 10, 2000</u>
Name of second inventor, if any	Signature	Date
<u>Koji ARII</u>	<u>Koji Arii</u>	<u>April 10, 2000</u>
Name of third inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of fourth inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of fifth inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of sixth inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of seventh inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of eighth inventor, if any	Signature	Date
<u></u>	<u></u>	<u></u>
Name of ninth inventor, if any	Signature	Date