

11-06-2000



101502296

U.S. PATENT AND TRADEMARK OFFICE

maD 7/28/00

Case Docket No. 300927

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Assistant Commissioner for Patents.

Please record the attached original documents or copy thereof.

1. Name of conveying parties:

7-28-2000

Yutaka NIO, Katsumi TERAII, Naoji OKUMURA and Kazuto TANAKA

Additional name(s) of conveying parties attached? Yes No XX

2. Name and address of receiving party:

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Street Address:

1006, Oaza Kadoma

Kadoma-shi, Osaka 571-8501 Japan

10862 U.S. PTO  
09/628678  
07/28/00

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

3. Nature of conveyance: Assignment

Execution Date: July 24, 2000

4. Title: NOISE DETECTOR, NOISE DETECTION METHOD, SIGNAL PROCESSOR  
AND SIGNAL PROCESSING METHOD

5. Application number(s) or patent number(s): 09/628678

A. Patent Application No.(s)

B. Patent No.(s)

If this document is being filed together with a new application, the execution date of the application is: July 24, 2000

Additional numbers attached? Yes No XX

40E  
NOSPEC  
File

09/07/2000 JPM/0105 0000017 012345 09/628678

4.00 CH

01 FC:561

PATENT

REEL: 011082 FRAME: 0207

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

Name: Armstrong, Westerman, Hattori,  
McLeland & Naughton  
Suite 1000  
1725 K Street, N.W.  
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

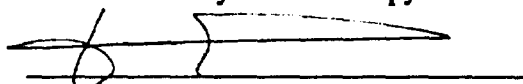
8. Total fee (37 CFR 3.41). . . . . \$ 40.00

☒ Check enclosed

9. Deposit Account No.: 01-2340

10. 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.



Date July 28, 2000

Ken-Ichi Hattori  
Reg. No.: 32,861

Total number of pages including cover sheet: 4

KH/llf

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$ 1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. of 1006, Oaza Kadoma, Kadoma-shi,  
Osaka 571-8501 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

NOISE DETECTOR, NOISE DETECTION METHOD, SIGNAL PROCESSOR AND  
SIGNAL PROCESSING METHOD

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_.

(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has(have) affixed his/her/their signature(s).

Yutaka Nio  
(SIGNATURE)

Yutaka Nio  
(TYPE NAME)

July/24/2000  
(DATE)

Katsumi Terai  
(SIGNATURE)

Katsumi Terai  
(TYPE NAME)

July/24/2000  
(DATE)

Naoji Okumura  
(SIGNATURE)

Naoji Okumura  
(TYPE NAME)

July/24/2000  
(DATE)

Kazuto Tanaka  
(SIGNATURE)

Kazuto Tanaka  
(TYPE NAME)

July/24/2000  
(DATE)

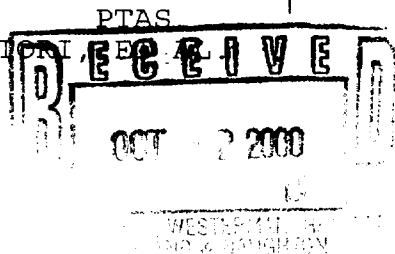


000987  
**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 27, 2000

ARMSTRONG, WESTERMAN, HATTORI, ET AL  
KEN-ICHI HATTORI  
1725 K STREET, N.W.  
WASHINGTON, D.C. 20006



\*101428681A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

07/28/2000

RECORDATION DATE: 07/24/2000

REEL/FRAME: 010985/0965

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NIO, YUTAKA

DOC DATE: 07/24/2000

ASSIGNOR:

TERAI, KATSUMI

DOC DATE: 07/24/2000

ASSIGNOR:

OKUMURA, NAOJI

DOC DATE: 07/24/2000

ASSIGNOR:

TANAKA, KAZUTO

DOC DATE: 07/24/2000

ASSIGNEE:

MATSUSHITA ELECTRONIC INDUSTRIAL  
CO., LTD.  
1006, OAZA KADOMA  
KADOMA-SHI, OSAKA 571-8501, JAPAN

SERIAL NUMBER: 09628678


FILING DATE: 07/28/2000

PATENT NUMBER:

ISSUE DATE:

**PATENT  
REEL: 011082 FRAME: 0211**

E A R L Y N O T I F I C A T I O N C A R D

U.S. Patent Application      Docket No: 000927  
Serial No: NEW APPLN.      Filed:   
Patent Number:      Issued:  
Applicant(s): NIO, ET AL

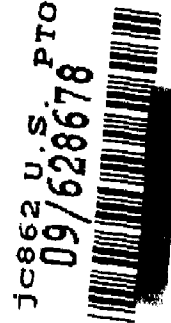
Papers filed herewith on: 07/28/00

New Application

Assignment

Declaration

Other: NEW APPLN: SPEC, CLMS, ABSTR (41-PGS.); DRWGS  
(5-SHTS.) & IDS/PTO 1449 WITH (1) REFERENCE.



COMMISSIONER OF PATENTS

Receipt is hereby acknowledged of the papers filed as indicated  
in connection with the above-identified case.

KH /LLF

D

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

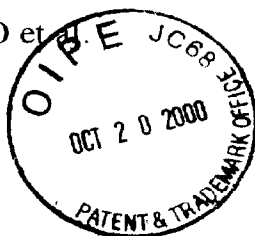
In re the Application of: Yutaka NIO et al.

ASSIGNMENT DIVISION

Serial Number: 09/628,678

Group Art Unit: 2819

Filed: July 28, 2000



For: NOISE DETECTOR, NOISE DETECTION METHOD, SIGNAL PROCESSOR AND  
SIGNAL PROCESSING METHOD

**REQUEST FOR CORRECTED NOTICE OF RECORDATION**

Director of Patents and Trademarks  
Washington, D.C. 20231

October 20, 2000

Sir:

Please supply the undersigned attorney with a Corrected Notice of Recordation for the above-identified application. The undersigned also respectfully requests that the Patent and Trademark Office records be amended to reflect the correction.

In reviewing the Notice of Recordation, we noted an error in the Recordation Date.

Please correct as follows:

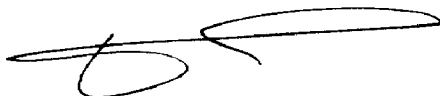
Recordation Date: 07/28/2000

We are enclosing a copy of the Notice of Recordation with the corrections highlighted.

In the event that any fees are required in connection with this paper, please charge our  
Deposit Account No. 01-2340.

Respectfully submitted

ARMSTRONG, WESTERMAN, HATTORI,  
McLELAND & NAUGHTON

A handwritten signature in black ink, appearing to be 'Ken-Ichi Hattori', written in a cursive style.

Ken-Ichi Hattori  
Attorney for Applicants  
Reg. No. 32,861

Atty. Docket No. 000927  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006  
Tel: (202) 659-2930  
Fax: (202) 887-0357  
KIH:plb  
Enclosure: Copy of Assignment & Recordation Form Cover Sheet