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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Director of

ed original documents or copy thereof.

1. Name of Conveying party(ies):

MIYAJIMA, Akira
SHINO, Tomonori
BANDO, Tatsuo

102893972

2. Name and address of receiving party(ies)

Name: Matsushita Electric Industrial Co., Ltd.Internal
Address:

Street

Address: 1006, Oaza Kadoma, Kadoma-shi,Osaka 571-8501 Japan

City: _____ State: _____ ZIP: _____

Additional names(s) and address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: October 06, 06 and 6, 2004

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: October 06, 06 and 12, 2004

A. Patent Application No.(s)

11/29/2004 DTESSEM1 00000005 10995507

03 FC:8021

40.00 OP

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Bruce H. BernsteinInternal Address: P25408Street Address: GREENBLUM & BERNSTEIN, P.L.C.1950 Roland Clarke PlaceCity: Reston State: VA ZIP: 201916. Total number of applications and patents involved: 1

7. Total Fee (37CFR 3.41)

\$40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(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.

Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to:
 Director of the United States Patent and Trademark Office, Mail Stop Assignments
 220 20th Street S. Customer Window,
 Crystal Plaza Two, Lobby, Room 1B03
 Arlington, VA 22202

ASSIGNMENT

WHEREAS, **Akira MIYAJIMA**, a citizen of Japan, whose post office address is 1-19-31-A1001 Nakatehara Kohoku-ku, Yokohama-shi, Kanagawa 222-0023 Japan, **Tomonori SHINO**, a citizen of Japan, whose post office address is 969-1-801 Fujisawa Fujisawa-shi, Kanagawa 251-0052 Japan, and **Tatsuo BANDO**, a citizen of Japan, whose post office address is 2-20-4 Nishikubo Musashino-shi, Tokyo 180-0013 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

Communication Apparatus

for which they have jointly executed, on the same date as this assignment, an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043 and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, **Matsushita Electric Industrial Co., Ltd.**, a corporation organized and existing under the laws of Japan, whose post-office address is 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, 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, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in

the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed on the date(s) indicated below.

First Witness:

(Name)

(Date)

宮嶋晃 2004.10.6
Akira MIYAJIMA Date

Second Witness:

(Name)

(Date)

First Witness:

(Name)

(Date)

篠智則 2004.10.6
Tomonori SHINO Date

Second Witness:

(Name)

(Date)

First Witness:

(Name)

(Date)

坂東達夫 2004.10.12
Tatsuo BANDO Date

Second Witness:

(Name)

(Date)