

10-17-2003

FORM PTO-1595
P23772.P08

REC

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



To the Honorable Director of Patents and

ments or copy thereof.

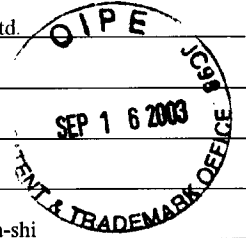
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9.16.03

1. Name of Conveying parties:
KOUDO, Toshikazu
MIHARA, Kazuhiro
TSUJIMURA, Masaharu
TAKAO, Naoya

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

Additional name(s) and address(es) attached? Yes No

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: July 22, July 22, July 22, and July 24, 2003

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)
10/445,317

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. Bernstein

Internal Address: P23772

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 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] Reg. No. 33,379

Signature

9/16/03

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
PO Box 1450 Alexandria, Virginia 22313-1450

PATENT
REEL: 014587 FRAME: 0394

ASSIGNMENT

WHEREAS, **Toshikazu KOUDO**, a citizen of Japan, whose post office address is 13-5-302, Matsunami-cho, Nishinomiya-shi, Hyogo 663-8102 Japan, **Kazuhiro MIHARA**, a citizen of Japan, whose post office address is Higashi-1-1004, Sotojima-cho 6, Moriguchi-shi, Osaka 570-0096 Japan, **Masaharu TSUJIMURA**, a citizen of Japan, whose post office address is 1-9-3, Hotarugaike-nishimachi, Toyonaka-shi, Osaka 560-0036 Japan and **Naoya TAKAO**, a citizen of Japan, whose post office address is 1-1-3-1013, Maya-kaigandori, Nada-ku, Kobe-shi, Hyogo 657-0855 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

BROADCAST PLAYBACK AND/OR RECORDING APPARATUS

for which they have jointly executed an application for Letters Patent for the United States which was filed in the United States Patent and Trademark Office on May 27, 2003.

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. 10/445,317, filed May 27, 2003) 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 by said ASSIGNORS on the respective date(s) indicated below.

Toshikazu Koudo July 22, 2003
Toshikazu KOUDO Date

Kazuhiro Mihara July 22, 2003
Kazuhiro MIHARA Date

Masaharu Tsujimura July 22, 2003
Masaharu TSUJIMURA Date

Naoya Takao July 24, 2003
Naoya TAKAO Date