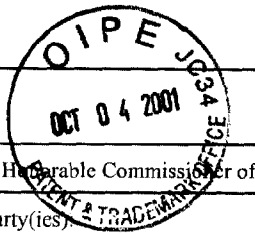


FORM PTO-1595
P21206.P05



10-12-2001



101871631

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissioner of

original documents or copy thereof.

1. Name of Conveying party(ies)

SHIMAMOTO, Takeshi
YAMAGUCHI, Kazufumi
TSUKAMOTO, Masahide
TATEISHII, Fumikazu
TAGUCHI, Yutaka

10/4/01

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 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: August 30, 30, 29, 29, and 29, 2001

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)
09/897,127

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: P21206

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

1941 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

Leslie Byrne
Signature

Reg No. 33, 329

10/4/01
Date

10/11/2001 DBYRNE 00000142 09897127 Total number of pages including cover sheet, attachments and document: 3

01 FC:581

40.00 DP

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012231 FRAME: 0603

ASSIGNMENT

WHEREAS, **Takeshi SHIMAMOTO**, a citizen of Japan, whose post office address is 1-24-11, Higashinakaburi, Hirakata-shi, Osaka-fu, 573-0093 JAPAN; **Kazufumi YAMAGUCHI**, a citizen of Japan, whose post office address is 4-30, Onjinakamachi, Yao-shi, Osaka-fu, 581-0883 JAPAN; **Masahide TSUKAMOTO**, a citizen of Japan, whose post office address is 30-14, Tomioizumigaoka, Nara-shi, Nara-ken, 631-0051 JAPAN; **Fumikazu TATEISHII**, a citizen of Japan, whose post office address is 19-8-503, Shakusonji-cho, Hirakata-shi, Osaka-fu, 573-0081 JAPAN; and **Yutaka TAGUCHI**, a citizen of Japan, whose post office address is 33-3, Nishimachi, Takatsuki-shi, Osaka-fu, 569-0854 JAPAN hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**MULTILAYER WIRING BOARD EMBEDDED WITH
TRANSMISSION LINE CONDUCTOR**

for which they have jointly executed an application for Letters Patent of the United States which was filed in the United States Patent and Trademark Office on July 3, 2001 and was awarded Serial No. 09/897,127.

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.

Takeshi Shimamoto 30/AUG/01
Takeshi SHIMAMOTO Date

Kazufumi Yamaguchi 30/AUG/01
Kazufumi YAMAGUCHI Date

Masahide Tsukamoto 29/AUG/01
Masahide TSUKAMOTO Date

Fumikazu Tateishi 29/AUG/01
Fumikazu TATEISHII Date

Yutaka Taguchi 29/AUG/01
Yutaka TAGUCHI Date