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DT15 Rec'd PCT/PTO 24 NOV 2004

FORM PTO-1595

06-30-2005

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Director of P



original documents or copy thereof.

10/515175

103031930

1. Name of Conveying party(ies):

NAKASHIBA, Tooru
KOTERA, Kouhei
MATSUSHIMA, Tomoaki
MATSUSHITA, Yukio
NAKANISHI, Hideo
HASHIMOTO, Shinji
NEMOTO, Tomoaki

YAGYU, Hiroyuki
KASAI, Yuuki

Name(s) of receiving party(ies)

Name: MATSUSHITA ELECTRIC WORKS, LTD.

Internal
Address:

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Street

Address: 1048, Oaza-Kadoma, Kadoma-shi,

Osaka 571-8686 Japan

Execution Date: November 11, 15, 16, 11, 11, 11, 11, & 11, 2004

City: _____ State: _____ ZIP: _____

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

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: November 11, 15, 16, 11, 11, 11, 11, & 11, 2004

A. Patent Application No.(s)

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: P26311

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 (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)

DO NOT USE THIS SPACE

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

by Leslie Paperna Reg. No. 33,329

Signature

11/24/04

Date

Total number of pages including cover sheet, attachments and document: 6

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, Tooru NAKASHIBA, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Kouhei KOTERA, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Tomoaki MATSUSHIMA, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Yukio MATSUSHITA, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Hideo NAKANISHI, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Shinji HASHIMOTO, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Tomoaki NEMOTO, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Hiroyuki YAGYU, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, and Yuuki KASAI, a citizen of Japan, whose post office address is c/o MATSUSHITA ELECTRIC WORKS, LTD., 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

MATERIAL FOR SUBSTRATE MOUNTING OPTICAL CIRCUIT-ELECTRIC CIRCUIT
MIXEDLY AND SUBSTRATE MOUNTING OPTICAL CIRCUIT-ELECTRIC CIRCUIT
MIXEDLY

for which they have executed an application for Letters Patent of the United States to be entered the National Stage in the United States Patent and Trademark Office on the date(s) indicated below and which Application is a National Stage of International Application No. PCT/JP03/06569 filed 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, and James L. Rowland, Reg. No. 32,674, 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 WORKS, LTD., a corporation organized and existing under the laws of Japan, whose post-office address is 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686 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 dates indicated below.

First Witness:

Masahiro Hattori 11/11/2004
Name Date
Masahiro HATTORI

中野 徹 11/11/2004
Name: Tooru NAKASHIBA Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/15/2004
Name Date
Masahiro HATTORI

小寺 孝兵 11/15/2004
Name: Kouhei KOTERA Date

Second Witness:

Shigeo Suzuki 11/15/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/16/04
Name Date
Masahiro HATTORI

松嶋 朝明 11/16/04
Name: Tomoaki MATSUSHIMA Date

Second Witness:

Shigeo Suzuki 11/16/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/11/04
Name Date
Masahiro HATTORI

松下 幸生 11/11/04
Name: Yukio MATSUSHITA Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/11/04
Name Date

Masahiro HATTORI

中西秀雄 11/11/04

Name: Hideo NAKANISHI

Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name Shigeo SUZUKI Date
~~Masahiro HATTORI~~

First Witness:

Masahiro Hattori 11/11/04
Name Date
Masahiro HATTORI

橋本真治 11/11/04

Name: Shinji HASHIMOTO

Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/11/04
Name Date
Masahiro HATTORI

Tomoaki Nemoto 11/11/04

Name: Tomoaki NEMOTO

Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name Date
Shigeo SUZUKI

First Witness:

Masahiro Hattori 11/11/04
Name Date
Masahiro HATTORI

Hiroyuki Yagyū 11/11/04
Name: Hiroyuki YAGYU Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name **Shigeo SUZUKI** Date

First Witness:

Masahiro Hattori 11/11/04
Name Date
Masahiro HATTORI

Yuuki Kasai 11/11/04
Name: Yuuki KASAI Date

Second Witness:

Shigeo Suzuki 11/11/2004
Name **Shigeo SUZUKI** Date