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Please record the attached original

1. Name of conveying party(ies):

Isao KIDOGUCHI  
Yasuo KITAOKA  
Hiroyoshi YAJIMA  
Keiji ITO  
Akihiko ISHIBASHI  
Yoshiaki HASEGAWA  
Kiminori MIZUUCHI

2. Name and address of receiving party(ies)

Matsushita Electric Industrial Co., Ltd.  
1006, Oaza Kadoma  
Kadoma-shi, Osaka 571-8501  
JAPAN

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other  
☐ Correction of previously recorded document  
Reel Frame No.

Execution Date: Kidoguchi, Kitaoka, Mizuuchi: December 7, 2004;  
Yajima, Ishibashi, Hasegawa: December 9, 2004;  
Ito: December 13, 2004

Additional name(s) & 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:

A. Patent Application No.(s)  
10/993,812

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

John D. Simmons  
AKIN GUMP STRAUSS HAUER & FELD LLP  
One Commerce Square  
2005 Market Street, Suite 2200  
Philadelphia, PA 19103  
Direct Dial: 215-965-1268  
E-mail: jsimmons@akingump.com

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41).....\$40

- ☒ Check enclosed  
☒ Authorization to charge deficient fees or credit  
any overpayment to Deposit Account.

8. Deposit Account Number: 50-1017

(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.*

John D. Simmons

Name of Person Signing

Signature

Date

February 4, 2005

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Attorney Docket No.: 10407-116US (A4085MT-US1)

JOINT

**ASSIGNMENT**

**WHEREAS, we, Isao KIDOGUCHI, Yasuo KITAOKA, Hiroyoshi YAJIMA, Keiji ITO, Akihiko ISHIBASHI, Yoshiaki HASEGAWA and Kiminori MIZUUCHI** respectively citizens of Japan, with respective post office addresses of 4-6-40, Midoridai, Kawanishi-shi, Hyogo 666-0129 Japan, 3-5-B-604, Higashioda, Ibaraki-shi, Osaka 567-0012 Japan, 126-606, Moricho, Fushimi-ku, Kyoto-shi, Kyoto 612-8373 Japan, 2-21-401, Kitasonomachi, Takatsuki-shi, Osaka 569-0802 Japan, 2-22-20-301, Todaiji, Shimamoto-cho, Mishima-gun, Osaka 618-0002 Japan, 4-10-304, Ikuno, Katano-shi, Osaka 576-0054 Japan and 30-5-206, Miiminamimachi, Neyagawa-shi, Osaka 572-0019 Japan, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

**LIGHT SOURCE, OPTICAL PICKUP, AND ELECTRONIC APPARATUS**

for which we have executed a United States patent application, Application No. 10/993,812, filed November 19, 2004, and

**ASSIGNORS** authorize **ASSIGNEE** or **ASSIGNEE's** representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

**WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a Japanese corporation having a place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan,** hereinafter generally referred to as "**ASSIGNEE**", is desirous of acquiring said invention and said patent application.

**NOW, THEREFORE,** in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned **ASSIGNORS,** hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named **ASSIGNEE,** the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

December 7, 2004

DATE

Isao Kidoguchi

Isao KIDOGUCHI

(Seal)

December 7, 2004

DATE

Yasuo Kitaoka

Yasuo KITAOKA

(Seal)

December 9, 2004

DATE

Hiroyoshi Yajima

Hiroyoshi YAJIMA

(Seal)

December 13, 2004

DATE

Keiji Ito

Keiji ITO

(Seal)

December 9, 2004

DATE

Akihiko Ishibashi

Akihiko ISHIBASHI

(Seal)

December 9, 2004

DATE

Yoshiaki Hasegawa

Yoshiaki HASEGAWA

(Seal)

December 7, 2004

DATE

Kiminori Mizuchi

Kiminori MIZUCHI

(Seal)