

01-29-2004

No.: 10407-76US (A3094MT-US1)



102656632  
RECORDATION FORM SHEET

PATENTS ONLY

322782 U.S. PTO  
10761617



012104

Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p><b>Hideki AIKOH Tohru NAKAMURA Osamu MIZUNO</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p><b>Matsushita Electric Industrial Co., Ltd.</b> 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan</p> <p>1-21-04 10761617</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other  <input type="checkbox"/> Correction of previously recorded document  Reel Frame No.</p>	

Execution Date: January 8, 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: January 8, 2004

A. Patent Application No.(s)	B. Patent No.(s)
------------------------------	------------------

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>John D. Simmons AKIN GUMP STRAUSS HAUER &amp; FELD LLP One Commerce Square 2005 Market Street, Suite 2200 Philadelphia, PA 19103 Direct Dial: 215-965-1268 E-mail: jsimmons@akingump.com</p>	<p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 CFR 3.41).....\$40</p> <p><input checked="" type="checkbox"/> Check enclosed  <input checked="" type="checkbox"/> Authorization to charge deficient fees or credit any overpayment to Deposit Account.</p> <p>8. Deposit Account Number: 50-1017</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
--	--

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.*

<p>John D. Simmons Name of Person Signing</p>	<p><i>John D. Simmons</i> Signature</p>	<p>January 21, 2004 Date</p>
---	---	----------------------------------

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

01/28/2004 DBYRHE 00000219 10761617

01 FC:8021

40.00 DP

Equivalent to Form PTO-1595  
7124861 v1

PATENT  
REEL: 014919 FRAME: 0098

P32394 01  
A 303407-001

EXPRESS MAIL LABEL NO.: EV 312204684 US

Attorney Docket No.: 10407-76US  
Your Ref. No.:(A3094MT-US1)

JOINT

ASSIGNMENT

WHEREAS, we, Hideki AIKOH, Tohru NAKAMURA and Osamu MIZUNO respectively citizens of Japan, with respective post office addresses of 2-7-12, Inadahonmachi, Higashiosaka-shi, Osaka 577-0007 Japan, 5-17-8, Fujigao, Katano-shi, Osaka 576-0022 Japan and 1-2-34, Minamitanabe, Higashisumiyoshi-ku, Osaka-shi, Osaka 546-0033 Japan, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

**OPTICAL HEAD AND OPTICAL DISC DRIVE**

for which we have executed a United States patent application, Application No. \_\_\_\_\_, filed \_\_\_\_\_ herewith \_\_\_\_\_, ~~200X~~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.

January 8, 2004  
DATE

Hideki Aikoh (Seal)  
Hideki AIKOH

January 8, 2004  
DATE

Tohru Nakamura (Seal)  
Tohru NAKAMURA

January 8 2004  
DATE

Osamu Mizuno (Seal)  
Osamu MIZUNO