

05-06-2003



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Attorney Docket
No.: 10407-48US(A3005MT-US1)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

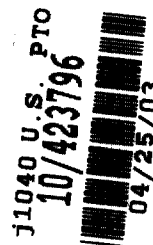
1. Name of conveying party(ies):

Shinichi YAMADA
Katsuya WATANABE
Yuichi KUZE
Kenji FUJIUNE
Kenji KONDO
Takahashi KISHIMOTO
Takeharu YAMAMOTO

4-25-03

2. Name and address of receiving party(ies):

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



3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: April 18, 2003

4. Application number(s) or patent number(s):

10423796

If this document is being filed together with a new application, the execution date of the application is: April 18, 2003

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? Yes No

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

John D. Simmons (Reg. No. 52,225)
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6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41) Cal. 1 x \$40.00 = \$ 40.00

Check enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 50-1017

(Billing No.: 210407.0048)

05/05/2003 ECOOPER 00000066 10423796

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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

John D. Simmons
Signature

April 25, 2003
Date

Total number of pages including cover sheet, attachments and document: [3]

JOINT

ASSIGNMENT

WHEREAS, we, Shinichi YAMADA, Katsuya WATANABE, Yuichi KUZE, Kenji FUJIUNE, Kenji KONDO, Takashi KISHIMOTO and Takeharu YAMAMOTO respectively citizens of Japan, with respective post office addresses of 1-51-8, Kisabe, Katano-shi, Osaka 576-0052 Japan, 7-854-2, Ayameikeminami, Nara-shi, Nara 631-0033 Japan, 3-7-31-602, Hitotsuya, Settsu-shi, Osaka 566-0043 Japan, 2-24-4-B202, Noda, Takatsuki-shi, Osaka 569-0013 Japan, 25-3, Midocho, Kadoma-shi, Osaka 571-0064 Japan, 2-2460-70-2-302, Nimyo, Nara-shi, Nara 631-0072 Japan and 3-5-22, Otsukacho, Takatsuki-shi, Osaka 569-0034 Japan hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

OPTICAL DISC DRIVE, METHOD OF MOVING BEAM SPOT AND COMPUTER-EXECUTABLE PROGRAM IMPLEMENTABLE BY THE OPTICAL DISC DRIVE

for which we have executed a United States patent application, Application No. _____, filed Herewith, 200 , 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.

April 18, 2003
DATE

Shinichi Yamada (Seal)
Shinichi YAMADA

April 18, 2003
DATE

Katsuya Watanabe (Seal)
Katsuya WATANABE

April 18, 2003
DATE

Yuichi Kuze (Seal)
Yuichi KUZE

April 18, 2003
DATE

Kenji Fujiwara (Seal)
Kenji FUJIWARA

April 18, 2003
DATE

Kenji Kondo (Seal)
Kenji KONDO

April 18, 2003
DATE

Takashi Kishimoto (Seal)
Takashi KISHIMOTO

DATE

Takashi Kishimoto (Seal) *Takashi Kishimoto*
Takeharu YAMAMOTO *april 18, 2003*

April 18, 2003

Takeharu Yamamoto