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RECORDATION COVER SHEET PATENTS

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

1. Name(s) of conveying party(ies):

Seiji NISHIWAKI, Kazuo MOMOO and Junji NAGAOKA

2. Name(s) and Address(es) of receiving party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN

09788367

3. Nature of conveyance: Assignment Execution Date: January 29, 2001

4A. Patent Application No.(s):

Application execution date: January 29, 2001

4B. Patent No.(s):

5. Name and Address of Party to whom correspondence regarding this document should be mailed:

SMITH, GAMBRELL & RUSSELL, LLP 1850 M Street N.W. (Suite 800) Washington, DC 20036

Telephone: (202) 659-2811

6. Total number of applications and patents involved: one

7. Total fee: \$40.00.

(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

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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.

Name of Person Signing: Michael A. Makuch, Reg. No. 32,263

Signature: _____

Date: February 21, 2001

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PATENT REEL: 011559 FRAME: 0603

ASSIGNMENT

This assignment of the Continuous	nment agreement is applicable to an invention entitled (Invention Title)isk Device, Optical Disk, Data Recording Method, and .
	oducing Method
	INT RIGHTS referred to in this agreement are: a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment. U.S. patent application Serial No, filed
	□ a U.S. patent application based on PCT International Application No filed on (date) (U.S. patent application Serial No, if known). □ U.S. patent No, issued ENT RIGHTS also include all divisions, reissues, continuations and extensions of
the patents a	INT RIGHTS also include all divisions, reissues, continuations and extensions of nd patent applications identified above. INT RIGHTS assigned under this agreement are: INT U.S. patent rights only. INT Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.
signatures ap The ASSIC (Name of Ass	GNOR(S) referred to in this agreement is (or are) the inventor(s) whose spear on page 2 of this Assignment and any Supplemental Sheet(s). GNEE referred to in this agreement is: signee) Matsushita Electric Industrial Co., Ltd. 006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN
The ASSIGNI (check one)	□ An Individual. □ A Partnership. ☑ A Corporation of
and valuable rights to the the full a the entire the right the right	GNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good consideration, receipt of which is acknowledged, hereby assign(s) the following ASSIGNEE, its successors and assigns: and exclusive right to the invention; a right, title and interest in and to the PATENT RIGHTS; to sue and recover for any past infringement; and, to claim priority under 35 USC 119, 35 USC 120, or any other applicable s, based on any earlier patent applications for this invention.

PATENT REEL: 011559 FRAME: 0604 THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: Matsushita Electric Industrial Co., Ltd.

INVENTION TITLE: OPTICAL DISK DEVICE, OPTICAL DISK, DATA RECORDING METHOD, AND DATA REPRODUCING METHOD.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Seiji NISHIWAKI	Seiji Wishwake	January 29, 2001
Name of sole or first inventor	Signature	Date
Kazuo MOMOO	Kazuo Momoo	January 29, 2001
Name of second inventor, if any	Signature	Date
Junji NAGAOKA	Junji Nagaoka	January 29, 2001
Name of third inventor, if any	Signature	Date
Name of fourth inventor, if any	Signature	Date
Name of fifth inventor, if any	Signature	Date
Name of sixth inventor, if any	Signature	Date
Name of seventh inventor, if any	Signature	Date
Name of eighth inventor, if any	Signature	Date
Name of ninth inventor, if any	Signature	Date

1987, 1992 Beveridge, DeGrandi, Weilacher & Young

RECORDED: 02/21/2001

PATENT REEL: 011559 FRAME: 0605