12-06-2001 **ECORDATION FORM COVER SHEET** U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office PATENTS ONLY ommissioner of Patents and Trademarks: Please record the attached original document(s) 101908888 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Masako NINOMIYA Name: Matsushita Electric Industrial Co., Ltd. Additional name(s) of conveying party(ies) attached? No Street Address: 1006 Oaza Kadoma, Kadoma-shi 3. Nature of conveyance: Osaka-fu 571-8501 Japan X Assignment Merger Security Agreement Change of Name Additional name(s) & address(es) attached? No Other Execution Date: November 26, 2001 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 26, 2001 B. Patent No.(s) A. Patent Application No.(s) , issued Additional numbers attached? No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: WENDEROTH, LIND & PONACK, L.L.P. 7. Total fee (37 CFR 3.41). \$40.00 Attn: Michael S. Huppert, Esq. (Check No. 47716 X Enclosed Street Address: 2033 K Street, N.W., Suite 800 Authorized to be charged to deposit account 8. Deposit account number: 23-0975 City: Washington, State: DC ZIP: 20006-1021 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Michael S. Huppert, Reg. No. 40,268 Name of Person Signing Date Total number of pages including cover sheet: 3 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion THE COMMISSIONER IS AUTHORIZED 30/2001 AMABI1 00000004 09995757 TO CHARGE ANY DEFICIENCY IN THE FC:581 40.00 GP

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> **PATENT** REEL: 012335 FRAME: 0914

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s)

Masako NINOMIYA

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)
of Assignee(s)
Address

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

of 1006 Oaza Kadoma, Kadoma-shi, Osaka-fu 571-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention OPTICAL DISC, RECORDING APPARATUS, PLAYBACK APPARATUS, PROGRAM, COMPUTER-READABLE RECORDING MEDIUM, RECORDING METHOD AND PLAYBACK METHOD

for which an application for patent in the United States has been executed by the undersigned

Date of Signing of Application November 26, 2001

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

PATENT REEL: 012335 FRAME: 0915

In witner name(s).	ss whereof, execute	d by the undersign	aed on the date(s) o	pposite the undersigned
Date November	26, 2001	, Name of the Inve	intor <u>Masako</u>	ninomiya
then the executi	on by the Inventor(s) should be witne	ssed by at least two	ted States Consul. If not, witnesses who sign here.)
u	itness	Yorchi	Usamamo	to
11		2 11	5	to
W	iuness	X grassa	Junaly	
ACKNOWLEDGMENT				
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This		day of		, before me personally
assignment, who			dividual(s) who exe executed the same	cuted the foregoing of his (their) own free will
SEAL			Official	Signature
			Official	l Title
The above	application may b	e more particularl	y identified as follow	vs:
U.S. Application	Serial No.		Filing Date	
Applicant Refere	nce Number		Atty Docket No.	
Title of Invention	·			

2

RECORDED: 11/29/2001

PATENT REEL: 012335 FRAME: 0916