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(REV 6-93) 4 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1	5-1999 Patent and Trademark Office Docket No.: YAMAP0652US
To the Honorable Commissioner of F	
1010	191585
1. Name of conveying party(ies): Motoyuki KOBAYASHI	z
Ryusuke HORIBE	Name: Matsushita Electric Industrial Co., Ltd.
Yasuki MATSUMOTO Yasuaki EDAHIRO	Internal Address:
Additional name(s) of conveying	
Additional hame(b) of conveying	
party(ies) attached? [] Yes [X] No	1006 Oaza Kadoma
3. Nature of conveyance:	Street Address: 1006, Oaza Kadoma,
[X] Assignment [] Merger	Kadoma-shi,
[] Security Agreement [] Change of Name	City: Osaka
[] Other	State/Country: ZIP:ZIP:
Execution Date:	
	Additional name(s) & address(es) attached? [] Yes [X] No
4. Application number(s) or patent number(s):	
	plication, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
07/13/1999 ATBRANTN 00000010 00007750	
09/297.759 07/13/1999 AISRAHIN 00000012 09297759 06 FC:581 40.00 095 dditional Numbers	attached? []Yes [x]No
FC:581 40.00 0F dditional Numbers	attached? [] Yes [x] No
FC:581 40.00 OF Additional Numbers 5. Name and address of party to whom correspondence concerning document	attached? [] Yes [x] No 6. Total number of applications and patents involved: [1]
FC:581 40.00 0FAdditional Numbers 5. Name and address of party to whom	6. Total number of applications and patents involved: [1]
FC:581 40.00 Or Additional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq.	
FC:581 40.00 Or Additional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00
FC:581 40.00 Or Additional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq.	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$40.00 [X] Enclosed
FC:581 40.00 CAdditional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE & SKLAR, P.L.L.	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00
FC:581 40.00 CAdditional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE & SKLAR, P.L.L. Street Address: 1621 Euclid Avenue	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account
FC:581 40.00 CAdditional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE & SKLAR, P.L.L. Street Address: 1621 Euclid Avenue Nineteenth Floor	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [X] Enclosed
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FC:581 40.00 CAdditional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE & SKLAR, P.L.L. Street Address: 1621 Euclid Avenue Nineteenth Floor City: Cleveland State: Ohio ZIP: 44115 DO N 9. Statement and signature.	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)
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FC:581 40.00 Ordentional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE	 6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) NOT USE THIS SPACE g information is true and correct and any attached copy is a true copy July 8, 1999 Signature Date cover sheet attachments, and document: [4] ed with required cover sheet information to:
FC:581 40.00 Ordentional Numbers 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Neil A. DuChez, Esq. Internal Address: RENNER, OTTO, BOISSELLE	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) NOT USE THIS SPACE g information is true and correct and any attached copy is a true copy July 8, 1999 Signature Date cover sheet attachments, and document: [4]

REEL: 010085 FRAME: 0234

<u>ASSIGNMENT</u>

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Motoyuki KOBAYASHI; 5-1, Ayameikekita 3-chome, Nara-shi, Nara 631-0032 Japan

2. Ryusuke HORIBE; 1-9-3-204, Nasudukuri, Hirakata-shi, Osaka 573-0071 Japan

3. Yasuki MATSUMOTO; 12-1-912, Yamamotominami 3-chome, Takaraduka-shi, Hyogo 665-0882 Japan

4. Yasuaki EDAHIRO; 305-3, Minamieganosho, 5-chome, Habikino-shi, Osaka 583-0885 Japan

has invented and owns a certain invention entitled:

DIGITAL DATA REPRODUCTION APPARATUS AND METHOD FOR CORRECTING REPRODUCED SIGNAL DIGITIZATION LEVEL

for which International Application No. PCT/JP98/05359 was filed on November 27, 1998, and a declaration for entering the national stage in the United States was executed on even date herewith,

and

WHEREAS, the ASSIGNEE:

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

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be

Page 1 of 3

PATENT REEL: 010085 FRAME: 0235 obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this <u>14th</u> day of <u>June</u>, 1999.

Page 2 of 3

1. <u>Motoyuki Kobayashi</u> (Motoyuki KOBAYASHI)

2. <u>Ryusuke</u> HORIBE)

3. <u>Jasuki Matsumoto</u> (Yasuki MATSUMOTO)

4. <u>Yasuaki Edahiro</u> (Yasuaki EDAHIRO)

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RECORDED: 07/12/1999