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SHEET

OMB No. 0651-011 (exp. 4/94)



YAMAP0901US

To the Honorable Commissioner of . . . 102684840

attached original documents or copy thereof.

1. Name of conveying party(ies): Shin-ichi Yamada; Yuuichi Kuze; Katsuya Watanabe; Kenji Kondo; Akira Yoshikawa

2. Name and address of receiving party(ies): Name: Matsushita Electric Industrial Co., Ltd.

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Street Address: 1006, Oaza Kadoma, Kadoma-shi City: Osaka State/Country: Japan ZIP: 571-8501

4. Application number(s) or patent number(s): 101784318 If this document is being filed together with a new application, the execution date of the application is: 11/17/03

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mark D. Saralino Internal Address: Renner, Otto, Boisselle & Sklar, LLP Street Address: 1621 Euclid Avenue 19th Floor City: Cleveland State: Ohio ZIP: 44115

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:

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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. Mark D. Saralino Name of Person Signing Signature Date 2/20/04

Reg. No. 34,243 Total number of pages including cover sheet attachments, and document: [3]

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

17874 U.S. PTO 101784318

02/27/2004 HDEMESS1 00000010 10784318 01 FC:8021 40.00 DP

ASSIGNMENT

WHEREAS, the ASSIGNOR(S), being the following named inventor(s):

Shin-ichi YAMADA

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7-854-2, Ayameikeminami, Nara-shi,
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10-14-403, Kofukucho, Kadoma-shi,
Osaka 571-0066 Japan

Akira YOSHIKAWA

3-3-10, Tomiokita, Nara-shi,
Nara 631-0076 Japan

are inventor(s) of and owner(s) of rights to a certain invention entitled:

TRACKING ERROR SIGNAL GENERATION DEVICE, OPTICAL DISC APPARATUS,
TRACKING ERROR SIGNAL GENERATION METHOD AND TRACKING CONTROL
METHOD

for which application for Letters Patent of the United States was executed on the date indicated below, 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 obtained therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) 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(S) 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(S) 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(S) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or his 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.

Signed:

Date:

Shinichi Yamada
Shin-ichi YAMADA

November 17, 2003

Yuichi Kuze
Yuichi KUZE

November 17, 2003

Katsuya Watanabe
Katsuya WATANABE

November 17, 2003

Kenji Kondo
Kenji KONDO

November 17, 2003

Akira Yoshikawa
Akira YOSHIKAWA

November 17, 2003