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03-24-2005



FORM PTO-1595  
(Rev. 10/02)

RE

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102965358  
PATENTS ONLY

Docket No.: 66315-028

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereon.

1. Name of Conveying Party(ies):  
**Ken HIROSE, Noboru MAMIYA, Kenji NAKAO, Satoshi SUMI, Koichi KAWAKAMI**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: **SANYO ELECTRIC CO., LTD.**  
Address: **5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka, JAPAN**  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **February 15, 2005, February 15, 2005, February 26, 2005, February 25, 2005, February 21, 2005 (respectively)**

4. Application number(s) or patent number(s):  
If the document is being filed together with a new application, the execution date of the application is: **February 15, 2005, February 15, 2005, February 26, 2005, February 25, 2005, February 21, 2005 (respectively)**  
A. Patent Application No(s). B. Patent No(s).  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **MCDERMOTT WILL & EMERY LLP**  
Internal Address:  
Street Address: **600 13th Street, N.W.**  
City: **Washington** State: **D. C.** Zip: **20005-3096**

6. Total number of applications and patents involved: **1**  
7. Total fee (37 CFR 3.41) **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
**500417**

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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.*

Arthur J. Steiner, 26,106

March 11, 2005

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: **3**

OMB No. 0651-0027 (exp. 6/30/2005)

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PATENT  
REEL: 016413 FRAME: 0140

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**ASSIGNMENT**

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                          |                            |
|--------------------------|----------------------------|
| (1) <u>Ken Hirose</u>    | (5) <u>Koichi Kawakami</u> |
| (2) <u>Noboru Mamiya</u> | (6) _____                  |
| (3) <u>Kenji Nakao</u>   | (7) _____                  |
| (4) <u>Satoshi Sumi</u>  | (8) _____                  |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SANYO Electric Co., Ltd., a corporation of Japan and having an address of  
5-5 Keihanhondori 2-chome, Moriguchi-shi, Osaka, Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

**OPTICAL DISK DEVICE**

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Ken Hirose</u> Name: <b>Ken Hirose</b>	<u>15. Feb. 2005</u>
2) <u>Noboru Mamiya</u> Name: <b>Noboru Mamiya</b>	<u>15. Feb. 2005</u>
3) <u>Kenji Nakao</u> Name: <b>Kenji Nakao</b>	<u>26. Feb., 2005</u>
4) <u>Satoshi Sumi</u> Name: <b>Satoshi Sumi</b>	<u>25. Feb. 2005</u>
5) <u>Koichi Kawakami</u> Name: <b>Koich Kawakami</b>	<u>21. Feb. 2005</u>