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**Conveyance type:**       Assignment                       Security Agreement  
                                   License                                       Change of name  
                                   Merger     Other \_\_\_\_\_

**Conveying Party (ies):**      (*Last, First, Middle Initial*)                      Execution Date

First party      Name:              **KANOU, Yasuyuki**                      **November 17, 2004**

Second party      Name:              **SHIRANE, Shigeharu**                      **November 17, 2004**

Third party      Name:


Additional name(s) of conveying party(ies) attached? Yes \_\_\_ No XX

**Receiving Party (ies):**

First party      Name:              **SANYO ELECTRIC CO., LTD.**

                                 Address:      **5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka**  
    **570-8677 Japan**

Additional name(s) & address(es) attached? Yes \_\_\_ No XX

**Domestic Representative Name and Address**                      

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Pages Enter the total number of pages of the attached conveyance document: 1  
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes \_\_\_ No XX

A. Patent Application No.(s) B. Patent No.(s)

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: November 17, 2004

(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT) PCT \_\_\_\_\_  
Enter PCT application number only if PCT \_\_\_\_\_  
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Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00


XX Enclosed

\_\_\_ Authorized to be charged to Deposit Account No.: 01-2340

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.

Mel R. Quintos  
Name of Person Signing

  
Signature

December 1, 2004  
Date

31,898  
Registration No.

Rev. 11/00  
MRQ:jaz

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by **Sanyo Electric Co., Ltd.**

(Insert ASSIGNEE's Name(s) Address(es))

**5-5, Keihanondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

(Title of Invention)

**OPTICAL PICKUP DEVICE**

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\* filed on \_\_\_\_\_, Serial No. \_\_\_\_\_.

(Armstrong, Kratz, Quintos, Hanson & Brooks, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

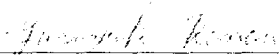

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

 (Signature)	<b>Yasuyuki KANOU</b> (Type Name)	November 17, 2004 (Date)
 (Signature)	<b>Shigeharu SHIRANE</b> (Type Name)	November 17, 2004 (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED