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Conveying Party (ies):		<i>(Last, First, Middle Initial)</i>	<u>Execution Date</u>
First party	Name:	MINECHIKA, Shigekazu	July 4, 2003
Second party	Name:	YANO, Hideaki	July 4, 2003
Third party	Name:	NAGATA, Keiji	July 4, 2003
Fourth party	Name:	AOI, Yoshihiro	July 4, 2003
Fifth party	Name:	SAKAMOTO, Ichizo	July 4, 2003
Sixth party	Name:	ASANO, Kenji	July 4, 2003
Seventh party	Name:	OKAJIMA, Tadashi	July 4, 2003

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

Receiving Party (ies): 10250680

First party Name: SANYO ELECTRIC CO., LTD.
 Address: 5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan

Second party Name:
 Address:

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

Domestic Representative Name and Address



Armstrong, Westerman & Hattori, LLP
 Suite 1000, 1725 K Street
 Washington, D.C. 20006
 (202) 659-2930

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Correspondent Name and Address Telephone: 202-659-2930

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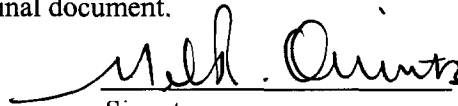
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Mel R. Quintos 
 Name of Person Signing Signature

July 16, 2003 31,898
 Date Registration No.

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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

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

Sanyo Electric Co., Ltd.

5-5, Keihanhondori 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)

DISC APPARATUS

(*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:

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(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore 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)

<u>Shigekazu Minedika</u> (Signature)	Shigekazu MINECHIKA (Type Name)	July 4, 2003 (Date)
<u>Hideaki Yano</u> (Signature)	Hideaki YANO (Type Name)	July 4, 2003 (Date)
<u>Keiji Nagata</u> (Signature)	Keiji NAGATA (Type Name)	July 4, 2003 (Date)
<u>Yoshihiro Aoi</u> (Signature)	Yoshihiro AOI (Type Name)	July 4, 2003 (Date)
<u>Ichizo Sakamoto</u> (Signature)	Ichizo SAKAMOTO (Type Name)	July 4, 2003 (Date)
<u>Kenji Asano</u> (Signature)	Kenji ASANO (Type Name)	July 4, 2003 (Date)
<u>Tadashi Okajima</u> (Signature)	Tadashi OKAJIMA (Type Name)	July 4, 2003 (Date)

NO LEGALIZATION REQUIRED