

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tohru Hotta</td> <td>12/30/2006</td> </tr> <tr> <td>Yoshio Hayashi</td> <td>12/11/2006</td> </tr> <tr> <td>Noriyoshi Ooyama</td> <td>11/27/2006</td> </tr> <tr> <td>Kiyotaka Eizumi</td> <td>12/27/2006</td> </tr> </tbody> </table>		Name	Execution Date	Tohru Hotta	12/30/2006	Yoshio Hayashi	12/11/2006	Noriyoshi Ooyama	11/27/2006	Kiyotaka Eizumi	12/27/2006
Name	Execution Date										
Tohru Hotta	12/30/2006										
Yoshio Hayashi	12/11/2006										
Noriyoshi Ooyama	11/27/2006										
Kiyotaka Eizumi	12/27/2006										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Sanyo Electric Co., Ltd.										
<b>Street Address:</b>	2-5-5 Keihanhondori										
<b>Internal Address:</b>	Moriguchi-shi										
<b>City:</b>	Osaka										
<b>State/Country:</b>	JAPAN										
<b>Postal Code:</b>	.										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11560758</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11560758						
Property Type	Number										
Application Number:	11560758										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(877)769-7945										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(202) 626-6406										
<b>Email:</b>	apsi@fr.com										
<b>Correspondent Name:</b>	Gregory A. Walters										
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.										
<b>Address Line 2:</b>	P.O. BOX 1022										
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022										
<b>ATTORNEY DOCKET NUMBER:</b>	16359-066001 / 1122/KK										
<b>NAME OF SUBMITTER:</b>	Arlenette M. Footes										

CH \$40.00 11560758

Total Attachments: 3

source=16359-066001 Assignment#page1.tif

source=16359-066001 Assignment#page2.tif

source=16359-066001 Assignment#page3.tif

ASSIGNMENT

For valuable consideration, we, Tohru Hotta of Gunma, JAPAN, Yoshio Hayashi of Gunma, JAPAN, Noriyoshi Ooyama of Gunma, JAPAN, Kiyotaka Eizumi of Gunma, JAPAN, hereby assign to: Sanyo Electric Co., Ltd., a corporation of Japan having a place of business at: 2-5-5, Keihanbondori, Moriguchi-shi, Osaka, Japan and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled OPTICAL PICKUP APPARATUS, filed 11/16/06, and assigned U.S. Serial Number 11/560,758 and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Tokyo Japan  
this 30 day of November, 2006.

Tohru Hotta \_\_\_\_\_ L.S.  
Tohru Hotta

WITNESSED BY:

NAME: Takashi Iwasaki DATE: November 30, 2006  
PLEASE PRINT

SIGNATURE: Takashi Iwasaki

NAME: Yoshio Noishiki DATE: November 30 2006  
PLEASE PRINT

SIGNATURE: Yoshio Noishiki

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma Japan  
this 11 day of December, 2006.

Yoshio Hayashi L.S.  
Yoshio Hayashi

**WITNESSED BY:**

NAME: Takashi Iwasaki  
PLEASE PRINT

DATE: December 11, 2006

SIGNATURE: Takashi Iwasaki

NAME: Shoichi Hashimoto  
PLEASE PRINT

DATE: December 11, 2006

SIGNATURE: Shoichi Hashimoto

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma Japan  
this 27 day of November, 2006.

Noriyoshi Ooyama L.S.  
Noriyoshi Ooyama

**WITNESSED BY:**

NAME: Takashi Iwasaki  
PLEASE PRINT

DATE: November 27, 2006

SIGNATURE: Takashi Iwasaki

NAME: Shoichi Hashimoto  
PLEASE PRINT

DATE: November 27, 2006

SIGNATURE: Shoichi Hashimoto

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma Japan,  
this 29 day of November, 2006.

Kiyotaka Eizumi  
..... L.S.  
**Kiyotaka Eizumi**

**WITNESSED BY:**

NAME: Takashi Iwasaki  
PLEASE PRINT

DATE: November 27, 2006

SIGNATURE: Takashi Iwasaki

NAME: Shoichi Hashimoto  
PLEASE PRINT

DATE: November 27, 2006

SIGNATURE: Shoichi Hashimoto