

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Yasushi Maruyama</td><td>04/20/2007</td></tr><tr><td>Tetsuji Yamaguchi</td><td>04/25/2007</td></tr><tr><td>Takashi Ando</td><td>05/22/2007</td></tr><tr><td>Susumu Hiyama</td><td>04/26/2007</td></tr><tr><td>Yuko Ohgishi</td><td>04/25/2007</td></tr></tbody></table>	Name	Execution Date	Yasushi Maruyama	04/20/2007	Tetsuji Yamaguchi	04/25/2007	Takashi Ando	05/22/2007	Susumu Hiyama	04/26/2007	Yuko Ohgishi	04/25/2007	
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RECEIVING PARTY DATA													
Name:	Sony Corporation												
Street Address:	1-7-1 Konan, Minato-ku												
City:	Tokyo 108-0075												
State/Country:	JAPAN												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11677645</td></tr></tbody></table>	Property Type	Number	Application Number:	11677645									
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CORRESPONDENCE DATA													
Fax Number:	(312)876-7934												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	David R. Metzger												

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PATENT  
REEL: 019359 FRAME: 0734

Total Attachments: 2

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## ASSIGNMENT

FOR a valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned  
whose mailing address(es) is/are:

c/o Sony Corporation  
1-7-1 Konan, Minato-ku  
Tokyo 108-0075, Japan

hereby sell(s), assign(s) and transfer(s) unto Sony Corporation, a corporation of Japan, having its  
principal office at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan  
the whole right, title and interest in and to a certain invention or improvement in

disclosed in an application for Letters Patent of the United States, prepared by the firm of Sonnenschein, Nath &  
Rosenthal of Chicago, Illinois, and executed of even date herewith, said application being identified in the office  
records of said firm as Case No. 09792909-6870, and in and to the United States Letters Patent therefor, when  
issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues  
thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be  
granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign  
country.

I/We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be  
granted for said invention or improvements to said Sony Corporation.

For the same consideration, I/we hereby agree that I/we will promptly communicate to the aforesaid  
assignee or its assigns full and complete information concerning said improvements or betterments of the inventions  
disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its  
expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including  
the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any  
proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to  
aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the  
inventions embraced within the terms of this document.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number  
and filing date of this application in the spaces that follow: Serial Number: 11/677,645, Filing Date: 02/22/2007.

DATE: April 20, 2007

Yasushi Maruyama  
YASUSHI MARUYAMA

DATE: April 25, 2007

Tetsuji Yamaguchi  
TETSUJI YAMAGUCHI

DATE: May 22, 2007

Takashi Ando  
TAKASHI ANDO

DATE: April 26, 2007

Susumu HiYama

SUSUMU HIYAMA

DATE: April 25, 2007

Yuko Ohgishi

YUKO OHGISHI