Atty Docket No.: 313692US2SD FORM PTO-1595 06-04	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE Falent and Trademark Office
To the Director of the United States Patent and T		
Name of conveying party(ies): SONY CORPORATION Additional name(s) of conveying party(ies) attack	Name: To K Address: 1, A	l address of receiving party(ies): OYOTA JIDOSHA KABUSHIKI (AISHA , Toyota-cho, Toyota-shi Lichi-ken 471-8571 apan
3. Nature of Conveyance: Assignment		name(s) and address(es) attached? 🗖 Yes 🌉 No
4. Application number(s) or patent number(s):		
☐ This document is being filed together with a	a new application	
A. Patent Application No.(s) SEE ATTACHED ADDENDUM	B. Patent N SEE AT	Io.(s) TACHED ADDENDUM
Additi	onal numbers attached? Yes	□ No
 Name and address of party to whom correspondencerning document should be mailed: 	<u> </u>	plications and patents involved: 10 e (37 CFR 3.41): \$400.00
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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.

Marvin J. Spivak ///JI
Name of Person Signing

Signature

C. Irvin McClelland

7 <u>7 - 7 - 6 1</u> Date

Registration Number: 24,913

Registration Number 21,124

Total number of pages including this cover sheet: 4

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PATENT REEL: 020227 FRAME: 0115 DEC. 7. 2007 3:46PM OBLON SPIVAK NO. 150 P. 4

ADDENDUM

4. (A) Application Numbers:

11/540,594

10/558,651

10/558,739

10/558,418

11/546,269

11/402,975

11/785,647

11/803,508

4. (B) Patent Numbers:

7,200,482

7,178,614

PATENT REEL: 020227 FRAME: 0116

<u>ASSIGNMENT</u>

WHEREAS, SONY CORPORATION of 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan, a corporation organized and existing under the laws of the Country of Japan, is the sole and exclusive owner, by assignment, of the following Letters Patent and applications for letters patent of the United States of America

LETTERS PATENT

Patent Number	<u>Issue Date</u>
7,200,482	April 3, 2007
7,178,614	February 20, 2007

APPLICATION

Application Number	Filing Date
11/540,594	October 2, 2006
10/558,651	November 30, 2005
10/558,739	December 1, 2005
10/558,418	November 29, 2005
11/546,269	October 11, 2006
11/402,975	April 13, 2006
11/785,647	April 19, 2007
11/803,508	May 15, 2007

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent and applications for letters patent and the inventions described therein;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledge, SONY CORPORATION by these presents do sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest for the territory of the United States of

PATENT REEL: 020227 FRAME: 0117 America, in and to the aforesaid Letters Patent and in and to the aforesaid applications for letters patent and the inventions described therein and in and to any and all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, substitutions and renewals thereof, and in and to any and all reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or may be granted the same to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives to the full end of the term for which said Letters Patent have been or may be granted, and for claims for damage by reason of infringement past and present, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

SONY CORPORATION further authorizes and requests the Patent Office

Officials in the United States and its territorial possessions to issue any and all Letters

Patent resulting from the aforesaid applications for letters patent or any divisions or

continuations thereof, when granted, to ASSIGNEE as the assignee of the entire right,

title and interest in and to the same.

IN TESTIMONY WHEREOF, SONY CORPORATION, has caused these presents to be signed by its officer thereunto duly authorized.

SONY CORPORATION

Date: November 15, 2007

Name: Koichi WADA

Title: Manager, Intellectual Property Division

PATENT REEL: 020227 FRAME: 0118

RECORDED: 12/07/2007