n <b>PTO-1595</b> (Rev. 69/ 64)	U.S. DCPAR1MENT OF COMMERCE United States Potent and Trademark Office
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Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
HIRONORI TAGAWA (08/11/2008) AND CHEE HUN TANG (08/11/2008)	
	Name. Sony EMCS (Malaysia) Sdn. Bhd.
	Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(x) of conveying party(les) attachod?	22nd Floor, Wisma Cyclecarri
3. Nature of Conveyance:	288 Jalan Raja Laut
X Assignment Merger   Security Agreement Change of Name	City: Kuala Lumpur
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Malaysia Zip. 50350
Other	Additional name(s) & address(es) Yes X No attached: This document is being filed together with a new application.
A. Patent Application No (s) 12/228,833 Additional numbers attached	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and 1 patents involved:
Name: Dennis M, Smid, Esq. LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SONYJP 3.0-1712	Authorized to be charged by credit card
Street Address: 600 South Avenue West	Authorized to be charged to deposit account Enclosed None required (government interest not affecting to be charged)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	a, Credit Card Last 4 Numbers
Phone Number: (908) 518-6374	
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095 Authorized User Name Dennis M. Smid, Esq.
Email Address. dsmid@ldikm.com	
9. Signature:	August 25, 2010 Date
/ Signature	Total number of pages including cover
Dennis M. Smid, Esq 34,930 Name of Person Signing	sheet, attachments, and documents:

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# PATENT REEL: 024910 FRAME: 0449

### Docket No.: SONYJP 3.0-1712 Sony Ref. No.: S06P5107US00

### ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in:

## AUDIO-VIDEO REPRODUCTION APPARATUS

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony EMCS (Malaysia) Sdn. Bhd., Malaysian Private Limited Company, with offices at 22nd Floor, Wisma Cyclecarri, 288 Jalan Raja Laut, 50350 Kuala Lumpur, Malaysia (hercinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignce of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the application number and filing date of this application in the spaces that follow: Application Number: 12/228,833 Date: August 15, 2008

This assignment executed on the dates indicated below.

**Hirosori TAGAWA** 

Name of First or Sole Inventor

Execution Date of U.S. Patent Application

Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia

Residence of First or Sole Inventor

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Signature of First or Sole loventor

<u>11 / Aug / 08'</u> Date of this Assignment

PATENT REEL: 024910 FRAME: 0450

#### Docket No.: SONYJP 3.0-1712 Sony Ref. No.: S06P5107US00

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Chee Hun TANG Name of Second Joint Inventor

Execution Date of U.S. Patent Application

Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia Residence of Second Joint Inventor

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Signature of Second Joint Inventor

11/08/2008 Date of this Assignment