

## 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>Munsi Haque</td> <td>12/19/2011</td> </tr> <tr> <td>Ali Tabatabai</td> <td>12/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Munsi Haque	12/19/2011	Ali Tabatabai	12/19/2011
Name	Execution Date						
Munsi Haque	12/19/2011						
Ali Tabatabai	12/19/2011						
RECEIVING PARTY DATA							
Name:	Sony Corporation						
Street Address:	1-7-1 Konan						
Internal Address:	Minato-ku						
City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	108-0075						
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>13333064</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13333064		
Property Type	Number						
Application Number:	13333064						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Stanley M. Chang						
Total Attachments: 3 source=1014-054_Assignment#page1.tif source=1014-054_Assignment#page2.tif source=1014-054_Assignment#page3.tif							

CH \$40.00 13333064

**ASSIGNMENT**

**WHEREAS**, I, as a below named inventor, 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

**VIDEO SYSTEM WITH QUANTIZATION MATRIX CODING MECHANISM AND METHOD OF OPERATION THEREOF**

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 WHEREAS**, Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-ku, Tokyo, Japan, 108-0075, (hereinafter referenced as ASSIGNEE(S)) are 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 therefore 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(S), its successors, assigns, and legal representatives, the 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(S), as the assignee(s) 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(S) or its designee, as ASSIGNEE(S) 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(S) thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE(S) 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 execution date, serial number and filing date of this Non Provisional application and that of the Provisional application from which it claims priority in the spaces that follow:

Serial Number: 13/333,064 Filing Date: December 21, 2011

This assignment is being executed on the date indicated below.

Munsi Haque Dated: 12/19/11  
Munsi Haque

State of California  
County of Santa Clara } ss

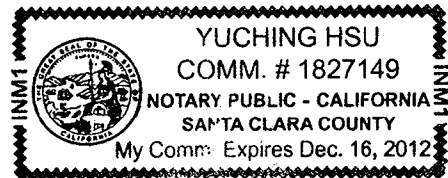
On Dec. 19, 2011 before me, Yu-Ching Hsu, Notary Public  
(name and title of officer)

personally appeared Munsi Haque, proved to me on the basis of satisfactory evidence to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.


I certify under PENALTY OF PERJURY under the law of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]



This assignment is being executed on the date indicated below.

  
Ali Tabatabai

Dated: 12/19/2011

State of California  
County of Santa Clara } ss

On Dec. 19, 2011 before me, Yu-Ching Hsu, Notary Public  
(name and title of officer)

personally appeared Ali Tabatabai, proved to me on the basis of satisfactory evidence to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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