# PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---|---|
| Hisakazu SHIRAKI | 11/04/2008 |
| Tetsujiro KONDO | 11/05/2008 |
| Kenji TAKAHASHI | 11/07/2008 |
| Tsutomu WATANABE | 11/07/2008 |
| Takahiro NAGANO | 11/14/2008 |
| Yasuhiro SUTO | 11/17/2008 |
| Noriaki TAKAHASHI | 11/14/2008 |

RECEIVING PARTY DATA

| | |
|---|---|
| Name: | SONY CORPORATION |
| Street Address: | 1-7-1 Konan, Minato-ku |
| City: | Tokyo |
| State/Country: | Japan |
| Postal Code: | 108-0075 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---|---|
| Application Number: | 12277591 |

CORRESPONDENCE DATA

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|---|---|
| ATTORNEY DOCKET NUMBER: | 335333US8 |

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|---|---|
| NAME OF SUBMITTER: | Svjetlana Badic |

Total Attachments: 3
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S08P2017US00

Docket Number: ____________

# 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 IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD, PROGRAM, AND LEARNING DEVICE

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 Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-Ku, Tokyo, Japan (hereinafter 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, 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, as the assignee 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 serial number and filing date of this application in the spaces that follow: Serial Number: ____________________, Filing Date:____________________.

This assignment executed on the dates indicated below.

Hisakazu SHIRAKI — November 4, 2008
Name of first or sole inventor — Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of first or sole inventor

Hisakazu Shiraki — November 4, 2008
Signature of first or sole inventor — Date of this assignment

Tetsujiro KONDO — Nov. 5, 2008
Name of second inventor — Execution date of U.S. Patent Application

Tokyo, Japan
Residence of second inventor

Tetsujiro Kondo — Nov. 5, 2008
Signature of second inventor — Date of this assignment

Kenji TAKAHASHI — Nov. 7, 2008
Name of third inventor — Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of third inventor

Kenji Takahashi — Nov. 7, 2008
Signature of third inventor — Date of this assignment

Tsutomu WATANABE — Nov. 7, 2008
Name of fourth inventor — Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of fourth inventor

Tsutomu Watanabe — Nov. 7, 2008
Signature of fourth inventor — Date of this assignment

Takahiro NAGANO — Nov. 14, 2008
Name of fifth inventor — Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of fifth inventor

Takahiro Nagano — Nov. 14, 2008
Signature of fifth inventor — Date of this assignment

Yasuhiro SUTO — Nov. 17. 2008

Name of sixth inventor — Execution date of U.S. Patent Application

Tokyo, Japan

Residence of sixth inventor

Yasuhiro Suto — Nov. 17. 2008

Signature of sixth inventor — Date of this assignment

Noriaki TAKAHASHI — Nov. 14. 2008

Name of seventh inventor — Execution date of U.S. Patent Application

Tokyo, Japan

Residence of seventh inventor

Noriaki Takahashi — Nov. 14. 2008

Signature of seventh inventor — Date of this assignment

Name of eighth inventor — Execution date of U.S. Patent Application

Residence of eighth inventor

Signature of eighth inventor — Date of this assignment

Name of ninth inventor — Execution date of U.S. Patent Application

Residence of ninth inventor

Signature of ninth inventor — Date of this assignment