PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Seiji Satoh | 10/04/2005 |
| Hidehiko Sekizawa | 10/03/2005 |
| Toshio Nomura | 10/17/2005 |
| Masahiro Shioi | 10/17/2005 |
| Goro Hamagishi | 10/28/2005 |
| Ken Mashitani | 10/26/2005 |

RECEIVING PARTY DATA

| Name: | Sony Corporation |
|-----------------|------------------------|
| Street Address: | 1-7-1 Konan, Minato-ku |
| City: | Tokyo |
| State/Country: | JAPAN |
| Postal Code: | 108-0075 |

| Name: | Sharp Kabushiki Kaisha | |
|-----------------|---|--|
| Street Address: | 22-22, Nagaike-cho, Abeno-ku, Osaka-shi | |
| City: | Osaka | |
| State/Country: | JAPAN | |
| Postal Code: | 545-8522 | |

| Name: | Sanyo Electric Co., Ltd. | |
|-----------------|--|--|
| Street Address: | 5-5, Keihanhondori, 2-Chome, Moriguchi-shi | |
| City: | Osaka | |
| State/Country: | JAPAN | |
| Postal Code: | 570-0083 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------|--------|
| | |

PATENT "REEL: 019135 FRAME: 0623

Application Number: 10553344

CORRESPONDENCE DATA

Fax Number: (617)646-8646

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: W0000.40000/S1459.70171US

NAME OF SUBMITTER: Randy J. Pritzker

Total Attachments: 4

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> PATENT REEL: 019135 FRAME: 0624

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is hereby acknowledged, we, the undersigned, Seiji Satoh, Kanagawa, Japan; Hidehiko Sekizawa, Tokyo, Japan; Toshio Nomura, Tokyo, Japan; Masahiro Shioi, Chiba, Japan; Goro Hamagishi, Osaka, Japan; and Ken Mashitani, Osaka, Japan; hereby:

Sell, assign and transfer to Sony Corporation, a corporation of Japan having a place of business at 7-35, Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo 141-0001, Japan; Sharp Kabushiki Kaisha, a corporation of Japan having a place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-\$hi, Osaka 545-8522, Japan; and Sanyo Electric Co., Ltd., a corporation of Japan having a place of business at 5-5, Keihanhondori, 2-Chome, Moriguchi-shi, Osaka 570-0083, Japan; their successors, assigns and legal representatives, all hereinafter referred to as the Assignees, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed as International Patent Application No. PCT/JP2004/005491 on April 16, 2004, and entitled

STEREOSCOPIC-VISION IMAGE PROCESSING APPARATUS,

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and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;

Agree that said Assignees may apply for and receive Letters Patent for said inventions in their own name; and when requested, without charge to but at the expense of said Assignees, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignees;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees; and

Covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

October 4. 2005

Seiji Satoh Seiji Satoh Date
Hidehiko Sekizawa

Date
Toshio Nomura

Date
Masahiro Shioi

Date
Goro Hamagishi

Ken Mashitani

Docket No. S1459.70171US00

Assignment Page 2

Date

PATENT REEL: 019135 FRAME: 0626

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is hereby acknowledged, we, the undersigned, Seiji Satoh, Kanagawa, Japan; Hidehiko Sekizawa, Tokyo, Japan; Toshio Nomura, Tokyo, Japan; Masahiro Shioi, Chiba, Japan; Goro Hamagishi, Osaka, Japan; and Ken Mashitani, Osaka, Japan; hereby:

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STEREOSCOPIC-VISION IMAGE PROVIDING METHOD, AND

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and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;

Agree that said Assignees may apply for and receive Letters Patent for said inventions in their own name; and when requested, without charge to but at the expense of said Assignees, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignees;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees; and

Covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

| Date | Seiii Satoh |
|------|-------------|
| Date | Seiji Satoh |

PATENT REEL: 019135 FRAME: 0627 Docket No. S1459.70171US00 Assignment Page 2

| Date 2005 | Nidehiko Sekizawa Hidehiko Sekizawa |
|-----------------------|---|
| Date | Hideniko Sekizawa |
| Oct.17, 2005 | Toshio Nomura Toshio Nomura |
| Dute | i osino nomura |
| Oct. 17, 2005 | <u>Masahiro Shioi</u> Masahiro Shioi |
| | · |
| Date 0ct. 28. 2005 | Goro Hamagishi Goro Hamagishi |
| | |
| Oct , 26 , 2005 Date | Ken Mashitani |
| Duv | NCH WASHIIAHI |

PATENT REEL: 019135 FRAME: 0628

RECORDED: 04/09/2007