502510320 09/26/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Hiromitsu NAKASHIMA | 08/29/2013 |
| Toru KIMURA | 09/24/2013 |
| Yusuke ASANO | 09/24/2013 |
| Masafumi HORI | 08/29/2013 |
| Reiko KIMURA | 08/29/2013 |
| Kazuki KASAHARA | 09/12/2013 |
| Hiromu MIYATA | 09/24/2013 |
| Masafumi YOSHIDA | 08/29/2013 |

RECEIVING PARTY DATA

| Name: | JSR CORPORATION |
|-----------------|---|
| Street Address: | 9-2, Higashi-Shinbashi 1-chome, Minato-ku |
| City: | Tokyo |
| State/Country: | JAPAN |
| Postal Code: | 105-8640 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14037659 |

CORRESPONDENCE DATA

Fax Number: 7035199958

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

Phone: 703 519-9951

Email: osakadocket@dcpatent.com

Correspondent Name: Masayasu Mori

Address Line 1: 44 Canal Center Plaza

Address Line 2: Suite 322

Address Line 4: Alexandria, VIRGINIA 22314

PATENT

REEL: 031287 FRAME: 0119

F \$40.00 1403/65

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| ATTORNEY DOCKET NUMBER: | P7274US00 |
|--|--|
| NAME OF SUBMITTER: | Masayasu Mori |
| Signature: | /Masayasu Mori/ |
| Date: | 09/26/2013 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 8 source=P7274US00_DecAsn_filed#page1.tif source=P7274US00_DecAsn_filed#page2.tif source=P7274US00_DecAsn_filed#page3.tif source=P7274US00_DecAsn_filed#page4.tif source=P7274US00_DecAsn_filed#page5.tif source=P7274US00_DecAsn_filed#page6.tif source=P7274US00_DecAsn_filed#page7.tif source=P7274US00_DecAsn_filed#page8.tif | |

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of Invention | RESIST PATTERN-FORMING METHOD, RESIST PATTERN-FORMING RADIATION-SENSITIVE RESIN COMPOSITION, AND RESIST FILM | | |
|--|---|--|--|
| As the below | v named inventor, I hereby declare that: | | |
| This declaration is directed to | This declaration | | |
| | United States application or PCT international application number filed on | | |
| The above-io | dentified application was made or authorized to be made by me. | | |
| I believe tha application. | t I am the original inventor or an original joint inventor of a claimed invention in the | | |
| | nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both. | | |
| US Patent ar | I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56. | | |
| | ASSIGNMENT | | |
| acknowledge business at § assigns, and together with countries (in other relevant all improved continuation the United S I agree the said invention cause any areverything p | d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby ed, I hereby sell, assign, and transfer to <u>JSR CORPORATION</u> , having a principle place of <u>D-2</u> . <u>Higashi-Shinbashi 1-chome</u> , <u>Minato-ku</u> . <u>Tokyo 105-8640 Japan</u> , and its successors, legal representatives, my entire right, title and interest in and to the invention listed above, the heapplication, any and all Patents that may issue for the United States and all foreign acluding the right to claim priority under the terms of the International Convention and any not International Treaties and Arrangements from the aforesaid application), in and to any and ments that are disclosed in the above-noted application, and in and to any reissues, renewals, as, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in states and all foreign countries on any of said improvements. That I will communicate to the assignee or its representatives any facts known to me respecting on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, as substitute, renewal, and reissue applications, execute all necessary assignment papers to ad all Patents to be issued to the assignee, make all rightful oaths, and, generally do cossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries. | | |
| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) | | |
| | Hiromitsu NAKASHIMA Date: 29 August 2013 | | |
| Signature | Homita Nabash | | |

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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| | wed and understand the contents of the application and am aware of the duty to disclose to the and Trademark Office all information known to me to be material to patentability as defined in 56. | |
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| acknowledg business at 9 assigns, and together wit countries (in other releva all improver continuation the United S I agree to said invention cause any areverything p | d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby ed, I hereby sell, assign, and transfer to <u>JSR CORPORATION</u> , having a principle place of <u>D-2. Higashi-Shinbashi 1-chome, Minato-ku, Tokyo 105-8640 Japan</u> , and its successors, legal representatives, my entire right, title and interest in and to the invention listed above, the heapplication, any and all Patents that may issue for the United States and all foreign are luding the right to claim priority under the terms of the International Convention and any and International Treaties and Arrangements from the aforesaid application), in and to any and ments that are disclosed in the above-noted application, and in and to any reissues, renewals, as, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in states and all foreign countries on any of said improvements. The light in the assignee or its representatives any facts known to me respecting on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, as substitute, renewal, and reissue applications, execute all necessary assignment papers to ad all Patents to be issued to the assignee, make all rightful oaths, and, generally do a lossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries. | |
| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) | |
| | Toru KIMURA Date: Lep. 24. 20/3 | |
| Signature | : Toru Cimin xn | |

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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| | wed and understand the contents of the application and am aware of the duty to disclose to the nd Trademark Office all information known to me to be material to patentability as defined in 56. |
| | ASSIGNMENT |
| For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, and transfer to JSR CORPORATION, having a principle place of business at 9-2, Higashi-Shinbashi 1-chome, Minato-ku, Tokyo 105-8640 Japan, and its successors, assigns, and legal representatives, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue for the United States and all foreign countries (including the right to claim priority under the terms of the International Convention and any other relevant International Treaties and Arrangements from the aforesaid application), in and to any and all improvements that are disclosed in the above-noted application, and in and to any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in the United States and all foreign countries on any of said improvements. I agree that I will communicate to the assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all Patents to be issued to the assignee, make all rightful oaths, and, generally do everything possible to aid said assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries. | |
| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) |
| | Yusuke ASANO Date: Sep. 24, 2813 |
| Signature | : Yusabe ASANO |

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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| LEGAL NAI | ME OF INVENTOR (Given name FAMILY NAME) |
| Inventor: | Masafumi HORI Date: August 29, 2013 |
| Signature: | Marefuni 1000 |

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| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) | |
| Inventor: | Reiko KIMURA Date : 20/3. 8, 29 | |
| Signature | Reico KIMURA | |

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| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) | |
| | <u>Kazuki KASAHARA</u> Date: 12th September 2013 : Kazuki KASAHAPA | |
| Signature | : ruchki ruzillibi | |

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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| LEGAL NA | ME OF INVENTOR (Given name FAMILY NAME) | |
| Inventor: | Hiromu MIYATA Date: 2013/9/24 | |
| Signature | 宣田 抗 | |

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| LEGAL NAME OF INVENTOR (Given name FAMILY NAME) | |
| Inventor: | Masafumi YOSHIDA Date: 08/29/2013 |
| Signature: MasaSumi YOSHIDA | |

PATENT REEL: 031287 FRAME: 0128

RECORDED: 09/26/2013