# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3852680

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

#### **CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| MAKOTO SEINO      | 02/29/2016     |
| KAZUHIRO YAMANAKA | 02/29/2016     |
| MASAFUMI ODA      | 03/02/2016     |
| JUNYA NAKATSUJI   | 03/02/2016     |

### **RECEIVING PARTY DATA**

| Name:           | CENTRAL GLASS COMPANY, LIMITED |
|-----------------|--------------------------------|
| Street Address: | 5253, OAZA OKIUBE              |
| City:           | UBE-SHI, YAMAGUCHI             |
| State/Country:  | JAPAN                          |
| Postal Code:    | 755-0001                       |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15033318 |

### **CORRESPONDENCE DATA**

**Fax Number:** (202)628-8844

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 2026242500

Email: elawson@crowell.com
Correspondent Name: CROWELL & MORING LLP

Address Line 1: 1001 PENNSYLVANIA AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20004

| ATTORNEY DOCKET NUMBER: | 038788.68915US   |
|-------------------------|--|
| NAME OF SUBMITTER:      | RICHARD R. DIEFENDORF                                      |
| SIGNATURE:              | /Richard R. Diefendorf, Reg. No. 32,390/                   |
| DATE SIGNED:            | 04/29/2016   |
|                         | This document serves as an Oath/Declaration (37 CFR 1.63). |

**Total Attachments: 4** 

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PATENT REEL: 038420 FRAME: 0350 source=68915US\_DecAssignments#page2.tif source=68915US\_DecAssignments#page3.tif source=68915US\_DecAssignments#page4.tif

> PATENT REEL: 038420 FRAME: 0351

| Attorney Docket No.: U.S. Rights  |
|---|
| ASSIGNMENT AND DECLARATION UNDER 37 C.F.R, 1.63   |
| Title of Invention: POSITIVE PHOTOSENSITIVE RESIN COMPOSITION, METHOD FOR PRODUCING FILM USING SAME, AND ELECTRONIC COMPONENT   |
| This assignment and declaration are directed to (check one):  the attached application;  the application identified by the attorney docket no. and title of invention given above;  United States Application or PCT International Application No. <a href="PCT/JP2014/078394">PCT/JP2014/078394</a> filed <a href="PCT/JP2014/078394">October 24</a> , <a href="PCT/JP2014/078394">2014</a> .  |
| <u>ASSIGNMENT</u>   |
| For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  |
| Name of Assignee: CENTRAL GLASS COMPANY, LIMITED  |
| Address of Assignee: 5253, Oaza Okiube, Ube-shi<br>Yamaguchi 755-0001 Japan   |
| (hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  |
| I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.  |
| I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.   |
| I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention. |
| <u>DECLARATION</u>  |
| As a below named inventor, I hereby declare that:   |
| The above-identified application was made or authorized to be made by me.   |
| I believe that I am the original inventor or an original joint inventor of a claimed invention in the application   |

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Inventor:

| Attorney Docket No.: U.S. Rights  |
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| ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. 1.63   |
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| For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:  |
| Name of Assignee: CENTRAL GLASS COMPANY, LIMITED  |
| Address of Assignee: 5253, Oaza Okiube, Ube-shi<br>Yamaguchi 755-0001 Japan   |
| (hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.  |
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| I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention. |
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| The Heart Alex Toronthe and formation and an administration for the contract of the contract of the contract of   |

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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Signature: Inventor: Raznhiw Yannaha Feb. 29. 20/6
Kazuhiro YAMANAKA DATE

| Attorn   | ey Docket No.:   | U.S. Right   |
|--|--|--|
| ASS  | SIGNMEN  | T AND DECLARATION UNDER 37 C.F.R. 1.63   |
|  | of Invention:<br>POSITIVE PH   | OTOSENSITIVE RESIN COMPOSITION, METHOD FOR PRODUCING SAME, AND ELECTRONIC COMPONENT  |
|  | the attached appli<br>the application ide  | laration are directed to (check one):<br>cation;<br>entified by the attorney docket no. and title of invention given above;<br>olication or PCT International Application No. <u>PCT/JP2014/078394</u> filed <u>October 24,</u>  |
|  |  | <u>ASSIGNMENT</u>  |
| For go<br>below:   | ood and valuable on named inventor I h   | consideration, the receipt and sufficiency of which are hereby acknowledged, as a axe sold and assigned, and by these presents hereby sell and assign, unto:   |
| Name   | of Assignee:   | CENTRAL GLASS COMPANY, LIMITED   |
| Addre  | ss of Assignee:  | 5253, Oaza Okiube, Ube-shi<br>Yamaguchi 755-0001 Japan   |
| the abor<br>thereof,<br>said inv<br>success                          | ve-identified invent<br>, and in and to any a<br>rention, including a<br>ors or assigns to the                                       | If my right, title and interest for the United States, its territories and possessions in and to ion and United States patent application, including any and all divisions or continuations and all Letters Patent of the United States which may issue on any such application or for my and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its a full end of the term or terms for which any and all such Letters Patent may be granted ald have been held and enjoyed by me had this Assignment not been made.  |
| I hereby   | y authorize and rec  | quest the Director of the U.S. Patent and Trademark Office to issue any and all such GNEE, its successors or assigns in accordance herewith.   |
| I warran<br>assigned   | nt and covenant tha<br>I and that I have no  | t I have the full and unencumbered right to sell and assign the interests herein sold and executed and will not execute any document or instrument in conflict herewith.   |
| assigns a<br>deliver a<br>deemed<br>said inve<br>which m<br>assigns, | all information kno<br>any papers, make<br>necessary or desira<br>ention, to said appl<br>ay be granted there<br>or to assist said A | the that I will communicate to said ASSIGNEE, its successors, legal representatives or own to me relating to said invention or patent application and that I will execute and all rightful oaths, testify in any legal proceedings and perform all other lawful acts ble by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to ication including divisions and continuations thereof and to any and all Letters Patent efore or thereon, including reissues or extensions, in said ASSIGNEE, its successors or assigns in obtaining, reissuing or the United States for said invention. |
|  |  | <u>DECLARATION</u>   |
|  |  | I hereby declare that:   |
|  |  | ation was made or authorized to be made by me.   |
|  |  | al inventor or an original joint inventor of a claimed invention in the application.   |
| hereby a<br>by fine or   | acknowledge that a<br>r imprisonment of r  | ny willful false statement made in this declaration is punishable under 18 U.S.C. 1001 not more than five (5) years, or both.  |

Signature: Masafumi Oda 03/02/20/6
Inventor: Masafumi ODA DATE

| Attorney Docket No.:                     | U.S | . Rights |
|--|-----|----------|
| ASSIGNMENT AND DECLARATION UNDER 37 C.F. | R.  | 1.63     |
| Title of Invention:                      |     |          |

POSITIVE PHOTOSENSITIVE RESIN COMPOSITION, METHOD FOR PRODUCING FILM USING SAME, AND ELECTRONIC COMPONENT

| This ass | ignment and declaration are directed to (check one):   |
|----------|--|
| □ t      | he attached application;   |
| t        | he application identified by the attorney docket no. and title of invention given above;           |
| Σ        | Inited States Application or PCT International Application No. PCT/JP2014/078394 filed October 24, |
| _2       | 014.   |

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:

Name of Assignee:

CENTRAL GLASS COMPANY, LIMITED

Address of Assignee:

5253, Oaza Okiube, Ube-shi Yamaguchi 755-0001 Japan

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

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I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEB, its successors or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

## DECLARATION

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Inventor: Junya Nakatsuji
Junya NAKATSUJI

03/02/2016 DATE