PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------------|----------------|
| ANTOINE GASTON DENIS BISSON | 06/20/2016 |
| KEVIN PATRICK MCNELIS | 06/20/2016 |
| ROHIT RAI | 06/22/2016 |
| JOHN RICHARD RIDGE | 06/21/2016 |
| LJERKA UKRAINCZYK | 07/07/2016 |

RECEIVING PARTY DATA

| Name: | CORNING INCORPORATED |
|-----------------|----------------------|
| Street Address: | SP-TI-03-01 |
| City: | CORNING |
| State/Country: | NEW YORK |
| Postal Code: | 14831 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15181706 |

CORRESPONDENCE DATA

Fax Number:

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: 607-974-0084

Email: wilsons@corning.com

Correspondent Name: CORNING INCORPORATED

Address Line 1: SP-TI-3-1

Address Line 4: CORNING, NEW YORK 14831

| ATTORNEY DOCKET NUMBER: | ER: SP15-209 | |
|--------------------------------|--|--|
| NAME OF SUBMITTER: | JOHN T. HARAN | |
| SIGNATURE: | /John T. Haran/ | |
| DATE SIGNED: 08/11/2016 | | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |
| | | |

Total Attachments: 3

PATENT REEL: 039404 FRAME: 0910

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> PATENT REEL: 039404 FRAME: 0911

U.S. Attorney Docket No.: SP15-209

ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a SYSTEMS AND METHODS FOR THERMALLY CONTROLLING WARP, such inventions being generally described in an application for Letters Patent of the United States executed on

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| DATE | | | 2016 |

and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

Revised: January 24, 2013

U.S. Attorney Docket No.: SP15-209

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

| Signed at Corning, NY, this | |
|--|--|
| <i>.</i> | de La Company de |
| <u> 5/20/2016 </u> | - Company of the Control of the Cont |
| Date | Antoine Gaston Denis Bisson |
| 6/20/14 | Min nulle |
| Date | Kevin Patrick McNelis |
| 6/22/16 | Robert March |
| Date | Rohit Rai |
| 6-81-1b | |
| Date | John Richard Ridge |
| 7/7/16 | mar William |
| Date | Ljerka Ukrainczyk |
| | |
| State of New York) | |
| : ss. County of Steuben) | |
| On the <u>Joh</u> Nay of <u>Junu</u> the person described in and who execut | 2016, before me personally came Antoine Gaston Denis Bisson known to be ed the foregoing instrument, and acknowledged that they executed the same. |
| | Audou Dulos |
| State of New York) : ss. | LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14 |
| County of Steuben) | |
| On the Wife day of June person described in and who executed the | 2016, before me personally came Kevin Patrick McNells known to be the foregoing instrument, and acknowledged that they executed the same. |
| | Notary Public |

LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14,

U.S. Attorney Docket No.: SP15-209

| State of New York) : ss. County of Steuben) On the day of | ne personally came Rohit Rai known to be the person described in and dedged that they executed the same. |
|--|---|
| | Mc Of Welse Notary Public |
| State of New York) : ss. County of Steuben) | MARIA GRACE WILSON NOTARY PUBLIC, STATE OF NEW YORK QUALIFIED IN STEUBEN COUNTY NO. 01W16314355 MY COMMISSION EXPIRES NOVEMBER 3, 2012 |
| On the day of vere 2016, before described in and who executed the foregoing instruments. | e me personally came John Richard Ridge known to be the person nent, and acknowledged that they executed the same. |
| | Lu Anne Brulin Notary Public |
| State of New York) | LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, |
| ; ss. County of Steuben) | e me personally came Ljerka Ukrainczyk known to be the person nent, and acknowledged that they executed the same. |
| | Notary Public |

Notary Public, State of New York
Qualified in Steuben County, No. 01WH6338409
My Commission Expires March 14,

LuAnne Wheeler

Revised: June 4, 2015

PATENT REEL: 039404 FRAME: 0914