PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5502630

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| JOHN WILLIAM BOTELHO | 04/09/2019 |
| CHING-KEE CHIEN | 05/01/2019 |
| JILL ANN CUMMINGS | 04/22/2019 |
| PUSHKAR TANDON | 04/04/2019 |
| RUCHI TANDON | 04/04/2019 |

RECEIVING PARTY DATA

| Name: | CORNING INCORPORATED |
|-----------------|----------------------|
| Street Address: | SP-TI-3-1 |
| City: | CORNING |
| State/Country: | NEW YORK |
| Postal Code: | 14831 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16400641 |

CORRESPONDENCE DATA

Fax Number: (607)974-3848

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: 607-974-5328

Email: abramovay@corning.com **Correspondent Name: CORNING INCORPORATED**

SP-TI-3-1 Address Line 1:

Address Line 4: CORNING, NEW YORK 14831

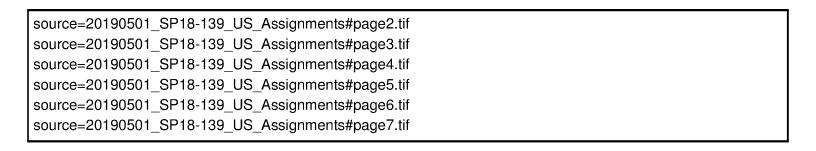
| ATTORNEY DOCKET NUMBER: | SP18-139 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | KEVIN L. BRAY |
| SIGNATURE: | /Kevin L. Bray/ |
| DATE SIGNED: | 05/01/2019 |

Total Attachments: 7

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PATENT REEL: 049053 FRAME: 0084

505455828



PATENT REEL: 049053 FRAME: 0085

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 **FIBER COATINGS WITH LOW PULLOUT FORCE**, such inventions being generally described in an application for Letters Patent of the United States executed on

| DATE | 4-9-209 |
|------|---------|
| DATE | <u></u> |
| DATE | |
| DATE | 4/4/18 |
| DATE | 444 |

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.

| | veyed are free and cle | and legal representatives or nor ar of any encumbrance, and that | |
|---|---|--|--------------------|
| Signed at Country N. | V | this | |
| <u>// </u> | John William Botelh | <u> </u> | |
| Date | Ching-Kee Chien | | |
| Date | Jill Ann Cummings | | |
| 4/4//S | Pushkar Tandon | TU | |
| Date | Ruchi Tandon | Tandon | |
| State of NEW YORK) : ss. County of Steuben) | | | |
| On the day of April described in and who executed the for | 2019, before me personal egoing instrument, and ack | ally came John William Botelho know knowledged that they executed the same. | n to be the person |
| LuAnne Wheeler Notary Public, State of New Yor Qualified in Steuben County, No My Commission Expires March | k b. 01WH6338409 14, <i>2020</i> | HUMMU WHELLA Notary Public | ř |
| State of NEW YORK) : ss. County of Steuben) | | | |
| On the day of described in and who executed the for | 2019, before me perso egoing instrument, and ack | mally came Ching-Kee Chien known chowledged that they executed the same. | to be the person |
| | | Notary Public | ş. |

| State of North Carolina) : ss. County New Hanover) | |
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| On the day of 2019, before me person described in and who executed the foregoing instrument, and acknowledges and the control of | ally came Jill Ann Cummings known to be the person nowledged that they executed the same. |
| | Notary Public |
| State of NEW YORK) : ss. County of Steuben) On the | came Pushkar Tandon known to be the person described that they executed the same. Hotary Public |
| State of NEW YORK) Ss. County of Steuben) On the 4 day of 2019, before me personally and who executed the foregoing instrument, and acknowledged the LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14 2026 | came Ruchi Tandon known to be the person described in lat they executed the same. Hotary Public |

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| DATE | 5/1/2019 | CK. |
| DATE | 4/22/20 | 19 |
| DATE | | • |
| DATE | | |

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.

to convey the same as herein expressed. John William Botelho Date Jill Ann Cummings Date Pushkar Tandon Date Ruchi Tandon Date State of NEW YORK) County of Steuben) _ 2019, before me personally came John William Botelho known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public State of NEW YORK) County of Steuben) 2019, before me personally came Ching-Kee Chien known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. JENNIFER STAHLE Notary Public - State of New York NO. 01ST6358098 Qualified in Chemung County My Commission Expires May 1, 2021 Revised: March 20, 2018

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

| | successors, assigns and legal representatives or nominees, that the red are free and clear of any encumbrance, and that I have full right to red. |
|--|---|
| Signed at WWM 1971 N. | (), this |
| Date | John William Botelho |
| Date | Ching-Kee Chien |
| 4/20/19 Date | Jill Ann Cummings |
| Date | Pushkar Tandon |
| Date | Ruchi Tandon |
| State of NEW YORK) : ss. County of Steuben) | |
| | oll9, before me personally came John William Botelho known to be the person going instrument, and acknowledged that they executed the same. |
| | Notary Public |
| State of NEW YORK) : ss. County of Steuben) | |
| On the day of described in and who executed the fore | 2019, before me personally came Ching-Kee Chien known to be the person going instrument, and acknowledged that they executed the same. |
| | Notary Public |

| County New Hanover) On the 30 day of APRIL 2019, before me personally came Jill Ann Cummings known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. OFFICIAL SEAL Notary Public, North Carolina County of New Hanover PHILLIP J. DAVIDS My Commission Expires September 38, 2020 State of NEW YORK) : ss. County of Steuben) On the 04 day of APRIL 2019, before me personally came Pushkar Tandon known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, 2020 State of NEW YORK) : ss. State of NEW YORK) : ss. |
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| OFFICIAL SEAL Notary Public, North Carolina County of New Hanover PHILLIP J. DAVIDS My Commission Expires September 38, 2020 State of NEW YORK) : ss. County of Steuben) On the O4 day of APRIL 2019, before me personally came Pushkar Tandon known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, 2020 State of NEW YORK) : ss. |
| Notary Public, North Carolina County of New Hanover PHILLIP J. DAVIDS Notary Public State of NEW YORK) State of NEW YORK State of New York County of Steuben On the O4 day of PRIC 2019, before me personally came Pushkar Tandon known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, 2020 State of NEW YORK) State of NEW YORK) State of NEW YORK) State of NEW YORK) |
| : ss. County of Steuben) On the OH day of APRIC 2019, before me personally came Pushkar Tandon known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, 2020 State of NEW YORK) : ss. |
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| Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, 2020 State of NEW YORK) : ss. |
| : ss. |
| County of Steuben) |
| On the OH day of April 2019, before me personally came Ruchi Tandon known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. |
| LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH6338409 My Commission Expires March 14, |

Revised: March 20, 2018

PATENT REEL: 049053 FRAME: 0092