11/08/2018 505181486

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5228254

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| DANA CRAIG BOOKBINDER | 10/19/2018 |
| ROBERT CLARK MOORE | 11/02/2018 |
| DARREN ANDREW STAINER | 11/02/2018 |
| PUSHKAR TANDON | 10/17/2018 |
| RUCHI TANDON | 10/30/2018 |
| MICHAEL JAMES TODT | 11/02/2018 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16184069 |

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

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

Address Line 1: SP-TI-3-1

Address Line 4: CORNING, NEW YORK 14831

| ATTORNEY DOCKET NUMBER: | SP17-396 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | KEVIN L. BRAY |
| SIGNATURE: | /Kevin L. Bray/ |
| DATE SIGNED: | 11/08/2018 |

Total Attachments: 7

PATENT REEL: 047455 FRAME: 0001

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PATENT REEL: 047455 FRAME: 0002

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 IMPROVED METHOD OF APPLYING AN INK LAYER ONTO AN OPTICAL FIBER, such inventions being generally described in an application for Letters Patent of the United States executed on

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. Robert Clark Moore Date Darren Andrew Stainer Date Pushkar Tandon Date Ruchi Tandon Date Michael James Todt Date State of New York) County of Steuben) On the day of 2018, before me personally came Dana Craig Bookbinder known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public Michelle M. Proctor Notary Public, State of New York State of North Carolina) Straiben County No. 4911462 Commission Expires Nov. 9, 20 21 County New Hanover) 2018, before me personally came Robert Clark Moore known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public

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

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 IMPROVED METHOD OF APPLYING AN INK LAYER ONTO AN OPTICAL FIBER, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 1/2/2018

DATE 1/2/2018

DATE 1/2/2018

DATE Pushen In 10/17/18

DATE 21/2/2018

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.

convey the same as herein expressed. Signed at Wilmington Dana Craig Bookbinder Date Pushkar Tandon Date Ruchi Tandon Date State of New York) County of Steuben) day of 2018, before me personally came Dana Craig Bookbinder known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public State of North Carolina) : 88. County New Hanover) On the 2018 day of 2018, before me personally came Robert Clark Moore known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same

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 to

PATENT REEL: 047455 FRAME: 0006

| State of North Carolina) : ss. | |
|--|--|
| County New Hanover) | |
| On the day of DOVEALD SK 2018, before me persone described in and who executed the foregoing instrument, and | ally came Darren Andrew Stainer known to be the person acknowledged that they executed the same. |
| State of New York) | Apriles S. Alderman Notary Public PENDER County No. Expire 3/23/2020 |
| County of Steuben) | |
| On theday of2018, before me personal in and who executed the foregoing instrument, and acknowled | ly came Pushkar Tandon known to be the person described liged that they executed the same. |
| | Notary Public |
| State of New York) : ss. County of Steuben) | |
| On theday of2018, before me personall and who executed the foregoing instrument, and acknowledge | y came Ruchi Tandon known to be the person described in d that they executed the same. |
| | Notary Public |
| State of North Carolina) : ss. County New Hanover) | |
| On the day of Loughber 2018, before me person described in and who executed the foregoing instrument, and a | acknowledged that they executed the same, Notary Publich Address Out 140 |
| | Expires 3/23/2020 |

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. Dana Craig Bookbinder Date Robert Clark Moore Date Darren Andrew Stainer Date Michael James Todt Date State of New York) County of Steuben) 2018, before me personally came Dana Craig Bookbinder known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public State of North Carolina) County New Hanover) 2018, before me personally came Robert Clark Moore known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the

| State of North Carolina) : ss. County New Hanover) | | |
|--|---|--|
| On the day of 2018, before me personally came Darren Andrew Stainer 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) : ss. County of Steuben) | | |
| On the IM day of October 2018, before me personally in and who executed the foregoing instrument, and acknowledge | came Pushkar Tandon known to be the person described d 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 | Su aue Wheeler Notary Public | |
| State of New York) : ss. County of Steuben) | | |
| On the 30 day of 90+000 2018, before me personally and who executed the foregoing instrument, and acknowledged to | came Ruchi Tandon known to be the person described in hat they executed the same. | |
| DAnne Wheeler Description Public, State of New York Description in Steuben County, No. 01WH6338409 Compression Expires March 14, 2021) | Sulgue Wheeler Notary Public | |
| State of North Carolina) | | |
| : ss. County New Hanover) | | |
| On the day of 2018, before me personally came Michael James Todt known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same. | | |
| | Notary Public | |