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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5550355

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|---|-------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT          |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT              |
| <b>CONVEYING PARTY DATA</b>   |                         |
| <b>Name</b>   | <b>Execution Date</b>   |
| SCOTT ROBERTSON BICKHAM   | 04/29/2019              |
| DANA CRAIG BOOKBINDER   | 05/23/2019              |
| MING-JUN LI   | 05/02/2019              |
| SNIGDHARAJ KUMAR MISHRA   | 05/01/2019              |
| PUSHKAR TANDON  | 04/29/2019              |
| <b>RECEIVING PARTY DATA</b>   |                         |
| <b>Name:</b>  | CORNING INCORPORATED    |
| <b>Street Address:</b>  | SP-TI-3-1               |
| <b>City:</b>  | CORNING                 |
| <b>State/Country:</b>   | NEW YORK                |
| <b>Postal Code:</b>   | 14831                   |
| <b>PROPERTY NUMBERS Total: 1</b>  |                         |
| <b>Property Type</b>  | <b>Number</b>           |
| <b>Application Number:</b>  | 16419403                |
| <b>CORRESPONDENCE DATA</b>  |                         |
| <b>Fax Number:</b>  | (607)974-3848           |
| <i>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.</i> |                         |
| <b>Phone:</b>   | 607-974-53228           |
| <b>Email:</b>   | abramovay@corning.com   |
| <b>Correspondent Name:</b>  | CORNING INCORPORATED    |
| <b>Address Line 1:</b>  | SP-TI-3-1               |
| <b>Address Line 4:</b>  | CORNING, NEW YORK 14831 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | SP18-177                |
| <b>NAME OF SUBMITTER:</b>   | SMIT KAPADIA            |
| <b>SIGNATURE:</b>   | /Smit Kapadia/          |
| <b>DATE SIGNED:</b>   | 05/31/2019              |
| <b>Total Attachments: 5</b>   |                         |
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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 SINGLE-MODE LARGE EFFECTIVE AREA OPTICAL FIBERS WITH LOW CUTOFF WAVELENGTH, such inventions being generally described in an application for Letters Patent of the United States executed on

|      |                     |
|------|---------------------|
| DATE | <u>4-24-2019</u>    |
| DATE | <u>May 23, 2019</u> |
| DATE | <u>5/2/2019</u>     |
| DATE | <u>5/01/2019</u>    |
| DATE | <u>4/28/19</u>      |

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.



State of NEW YORK)  
: ss.  
County of Steuben)

On the 5 day of May 2019, before me personally came **Ming-Jun Li** 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

*LuAnne Wheeler*  
Notary Public

State of North Carolina)  
: ss.  
County New Hanover)

On the 1st day of May 2019, before me personally came **Sridharaj Kumar Mishra** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

*Phyllis S. Alderman*  
Notary Public Expires 3/23/2020

State of NEW YORK)  
: ss.  
County of Steuben)

On the 29 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

*LuAnne Wheeler*  
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 to convey the same as herein expressed.

Signed at W11, North Carolina, this

\_\_\_\_\_  
Date Scott Robertson Bickham

\_\_\_\_\_  
Date Dana Craig Bookbinder

\_\_\_\_\_  
Date Ming-Jun Li

05/01/19  
Date Snigdharaj Kumar Mishra  
Snigdharaj Kumar Mishra

\_\_\_\_\_  
Date Pushkar Tandon

State of NEW YORK)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 2019, before me personally came **Scott Robertson Bickham** 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 \_\_\_\_ day of \_\_\_\_\_ 2019, 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

Revised: March 20, 2018

State of NEW YORK)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 2019, before me personally came **Ming-Jun Li** 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)  
: ss.  
County New Hanover)

On the 1st day of May 2019, before me personally came **Snigdharaj Kumar Mishra** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Phyllis L. Alderman  
Notary Public Expires 5/25/2020

State of NEW YORK)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 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.

\_\_\_\_\_  
Notary Public

Revised: March 20, 2018