PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5937194

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MANDAKINI KANUNGO	01/10/2020
PRANTIK MAZUMDER	12/18/2019
CHUKWUDI AZUBUIKE OKORO	12/17/2019
AH-YOUNG PARK	01/13/2020
SCOTT CHRISTOPHER POLLARD	12/17/2019
RAJESH VADDI	01/28/2020

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:	16776663

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

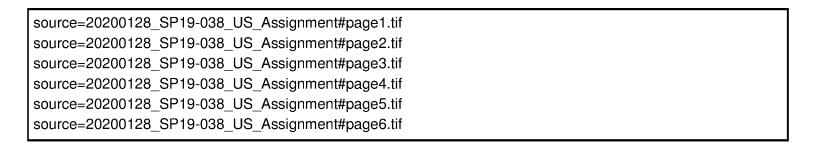
Address Line 4: CORNING, NEW YORK 14831

ATTORNEY DOCKET NUMBER:	SP19-038
NAME OF SUBMITTER:	AMY T. LANG
SIGNATURE:	/Amy T. Lang/
DATE SIGNED:	01/30/2020

Total Attachments: 6

PATENT REEL: 051668 FRAME: 0659

505890493



PATENT REEL: 051668 FRAME: 0660

U.S. Attorney Docket No.: SP19-038

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 HERMETIC METALLIZED VIA WITH IMPROVED RELIABILITY, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE	6 1/10/2029
DATE	12/18/79
DATE	72/11/19
DATE	*
DATE	12/11/2019
DATE	1/28/2020

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.

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 <u>COMING, N.Y.</u>	, this
01/10/2020	Handaui Ky
Date	Mandakini Kanungo
12/18/19	Drank Kruls
Date	Prantik Mazumder
12/12/2019	
Date	Chukwudi Azubuiké Okoró
Date	Ah-Young Park
12/12/2010	1 45 3 FM 11 11 11 11 11 11 11 11 11 11 11 11 11
12/11/2017 Date	Scott Christopher Pollard
1 2 8 10 10	_R_SS
Date	Rajesh Vaddi
State of NEW YORK)	
; ss. County of Steuben)	
On the 🖊 day of Yanuanu 🛚	(22) Step before me personally came Mandakini Kanungo known to be the person going instrument, and acknowledged that they executed the same.
LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. My Commission Expires March 14	U19990330909 Notary Public
State of NEW YORK)	
; ss. County of Steuben)	
On the 18 day of December described in and who executed the fore	2019, before me personally came Prantik Mazumder known to be the person going instrument, and acknowledged that they executed the same
LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. My Commission Expires March 1	01441,0220.02

State of NEW YORK)	
: ss. County of Steuben)	
On the 17 day of 2019, before me person person described in and who executed the foregoing instrument	nally came Chukwudi Azubuike Okoro known to be the nt, and acknowledged that they executed the same.
periodical and an analysis of the first of t	() , , .
PENNY L SEMPLER Notary Public, State of New York No. 01 SE6198943 Qualified in Chemung County Commission Expires January 5	Notary Public
Republic of Korea)	
On the day of2019, before me personal in and who executed the foregoing instrument, and acknowled	ly came Ah-Young Park known to be the person described ged that they executed the same.
	Witness
State of NEW YORK)	
: ss. County of Steuben)	
On the 11 day of 2019, before me personall described in and who executed the foregoing instrument, and	y came Scott Christopher Pollard known to be the person acknowledged that they executed the same.
PENNY L SEMPLER Notary Public, State of New York No. 015E6198949 Outstiffed in Chemicing County Commission Expires January 5, 2011	Paray M. Jangalan Notary Public
State of NEW YORK) ss.	
County of Steuben)	
On the day of	y came Rajesh Vaddi known to be the person described in d that they executed the same.
	Notary Public
LuAnne Wheeler Notary Public, State of New York Qualified in Steuben County, No. 01WH5338409 My Commission Expires March 14,	

U.S. Attorney Docket No.: SP19-038

ASSIGNMENT

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		1//3	1/2/20	1/13/20	1/2/20 14	1/3/20 1/2

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.

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.

	22 (111)
Date	Mandakini Kanungo
Date	Prantik Mazumder
Date	Chukwudi Azubuike Okoro
1/13/20	Ah-Young Park
Date	An-Young Park
Date	Scott Christopher Pollard
Date	Rajesh Vaddi
; SS.	
; SS.	
: ss. County of Steuben) In theday of	2019, before me personally came Mandakini Kanungo known to be the perso d the foregoing instrument, and acknowledged that they executed the same.
: ss. County of Steuben) In theday of	2019, before me personally came Mandakini Kanungo known to be the perso d the foregoing instrument, and acknowledged that they executed the same. Notary Public
ss. County of Steubern) On theday of lescribed in and who execute	d the foregoing instrument, and acknowledged that they executed the same.
County of Steuben) On theday of	d the foregoing instrument, and acknowledged that they executed the same.
; ss. County of Steuben) On theday of lescribed in and who execute state of NEW YORK) 1 ss. County of Steuben) On theday of	d the foregoing instrument, and acknowledged that they executed the same.

Revised: March 20, 2018

PATENT REEL: 051668 FRAME: 0665

State of NEW YORK)		
County of Steuben)		
On theday of person described in and who ex	2019, before me personally came Chukwudi Azubuike Okoro known to be xecuted the foregoing instrument, and acknowledged that they executed the same.	the
	Notary Public	
Republic of Korea)		
On the 13 day of Jan in and who executed the forego	LANGE 1919, before me personally came Ah-Young Park known to be the person describing wastrument, and acknowledged that they executed the same.	bed
	Duejeon Scath KaREA withers	
State of NEW YORK) : 85. County of Steuben)		
On theday of described in and who executed	2019, before me personally came Scott Christopher Pollard known to be the per the foregoing instrument, and acknowledged that they executed the same.	son
	Notary Public	
Code of NEW VORVI		
State of NEW YORK) ss. County of Steuben)		
On the day of and who executed the foregoing	2019, before me personally came Rajesh Vaddi known to be the person described ginstrument, and acknowledged that they executed the same.	J in
	Nictory Public	

Revised: March 20, 2018

RECORDED: 01/30/2020

PATENT REEL: 051668 FRAME: 0666