

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7826182

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SIDDHARTHA DHANANJAYA KUNDALKAR	02/19/2023
SHIRISH NAGARAJ	01/17/2023
FARHAN ASLAM QAZI	01/08/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CORNING RESEARCH & DEVELOPMENT CORPORATION
<b>Street Address:</b>	ONE RIVERFRONT PLAZA
<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>	17535186
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	defreitam@corning.com
<b>Correspondent Name:</b>	CORNING RESEARCH & DEVELOPMENT CORPORATION
<b>Address Line 1:</b>	INTELLECTUAL PROPERTY DEPARTMENT
<b>Address Line 2:</b>	SP-TI-3-1
<b>Address Line 4:</b>	CORNING, NEW YORK 14831
<b>ATTORNEY DOCKET NUMBER:</b>	HI20-118US
<b>NAME OF SUBMITTER:</b>	MICHELLE DEFREITAS
<b>SIGNATURE:</b>	/Michelle DeFreitas/
<b>DATE SIGNED:</b>	03/03/2023
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

FOR good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("Assignor") hereby sells, assigns, and transfers unto CORNING INCORPORATED, a corporation located at One Riverfront Plaza, Corning, N.Y. 14831, ("CORNING"), its successors, assigns, and legal representatives, Assignor's entire right, title, and interest, including the right to claim priority, for the United States and its territorial possessions and in any and all other countries and territories in the world, in and to inventions, ideas, improvements, or other contributions ("Inventions") set forth and disclosed in the following Invention Disclosure and/or Patent Application of the United States or other country, where Assignor authorizes CORNING's attorney or paralegal to insert on this Assignment any further identification, including the country, application number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document:

<i>Document No.</i>	17/535186
<i>Title</i>	<b>SELECTIVE RADIO FREQUENCY (RF) REFERENCE BEAM RADIATION IN A WIRELESS COMMUNICATIONS SYSTEM (WCS) BASED ON USER EQUIPMENT (UE) LOCATIONS</b>
<i>Filing Date</i>	11/24/2021
<i>Jurisdiction</i>	United States

as well as any patent applications in the United States or elsewhere in the world (A) claiming benefit of the filing date of the above identified Patent Application or (B) related to the above identified Patent Application by a common priority claim (e.g., divisional, continuation, continuation-in-part, utility model, design patent applications, registrations, reissues, reexaminations, or extensions thereof) or (C) containing overlapping subject matter with the above Invention Disclosure or Patent Application, and all the rights and privileges under any and all Letters Patents that may be granted therefrom. These rights and privileges include, but are not limited to, all rights of registration, maintenance, and protection thereof in any form, all rights to income, royalties, damages and payments now due or hereafter due or payable in respect thereto, and all rights of recovery and of legal action for past or future infringements, as well as any proceedings before an adjudicative body within the United States or elsewhere in the world involving such Inventions.

Assignor agrees 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. Assignor agrees that, when requested, Assignor will, without further compensation from CORNING, but at CORNING's expense (e.g., mailing costs, notarization fees, governmental fees), sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other intellectual property for said Inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees. Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment.

Assignor expressly assigns the rights to, authorizes and empowers CORNING, its successors, assigns or nominees, to invoke and claim for any application for patent or other form of protection for said Inventions filed by CORNING, 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.

Assignor hereby consents 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.

Assignor covenants with CORNING, its successors, assigns and legal representatives or nominees, that Assignor believes and to the best of Assignor's knowledge the rights and property herein conveyed are free and clear of any and all liens, restrictions, claims, and encumbrances, and that Assignor has full right to convey the same as herein expressed.

This Assignment shall be construed, interpreted, and applied in accordance with the laws of the State of New York, United States without regard to its conflicts of law principles.

Signed, this

02/19/2023

Date

SDKundalkar

Siddhartha Dhananjaya Kundalkar

**Notary Option**

State of \_\_\_\_\_)

: ss.

County of \_\_\_\_\_)

On the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Assignor known to be the person described in and who executed the foregoing instrument and acknowledged that they executed the same.

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

**Witness Signature Option (if Notary is unavailable)**

Sara Venneri

Witness Signature

02/19/2023

Date

SARA VENNERRI

Witness Printed Name

## ASSIGNMENT

FOR good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("Assignor") hereby sells, assigns, and transfers unto CORNING RESEARCH & DEVELOPMENT CORPORATION, a Delaware corporation, having a place of business at Charlotte, North Carolina, ("CORNING"), its successors, assigns, and legal representatives, Assignor's entire right, title, and interest, including the right to claim priority, for the United States and its territorial possessions and in any and all other countries and territories in the world, in and to inventions, ideas, improvements, or other contributions ("Inventions") set forth and disclosed in the following Invention Disclosure and/or Patent Application of the United States or other country, where Assignor authorizes CORNING's attorney or paralegal to insert on this Assignment any further identification, including the country, application number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document:

<i>Document No.</i>	17/535186
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<i>Filing Date</i>	11/24/2021
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Assignor agrees 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. Assignor agrees that, when requested, Assignor will, without further compensation from CORNING, but at CORNING's expense (e.g., mailing costs, notarization fees, governmental fees), sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other intellectual property for said Inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees. Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment.

Assignor expressly assigns the rights to, authorizes and empowers CORNING, its successors, assigns or nominees, to invoke and claim for any application for patent or other form of protection for said Inventions filed by CORNING, 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.

Assignor hereby consents 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.

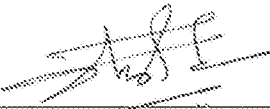
Assignor covenants with CORNING, its successors, assigns and legal representatives or nominees, that Assignor believes and to the best of Assignor's knowledge the rights and property herein conveyed are free and clear of any and all liens, restrictions, claims, and encumbrances, and that Assignor has full right to convey the same as herein expressed.

This Assignment shall be construed, interpreted, and applied in accordance with the laws of the State of New York, United States without regard to its conflicts of law principles.

Signed, this

01/17/23

Date

  
Shirish Nagaraj

**Notary Option**

State of \_\_\_\_\_ )


: ss.

County of \_\_\_\_\_ )

On the \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me personally came Assignor known to be the person described in and who executed the foregoing instrument and acknowledged that they executed the same.

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

**Witness Signature Option (if Notary is unavailable)**

 1/17/2023  
Witness Signature Date

Michelle Mai  
Witness Printed Name

## ASSIGNMENT

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This Assignment shall be construed, interpreted, and applied in accordance with the laws of the State of New York, United States without regard to its conflicts of law principles.

Signed, this

01/08/2023  
Date

[Signature]  
Farhan Aslam Qazi

**Notary Option**

State of \_\_\_\_\_)

: ss.

County of \_\_\_\_\_)

On the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Assignor known to be the person described in and who executed the foregoing instrument and acknowledged that they executed the same.

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

**Witness Signature Option (if Notary is unavailable)**

Arifa Aslam      Jan 10<sup>th</sup>, 2023  
Witness Signature      Date

ARIFA ASLAM  
Witness Printed Name