

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5513375

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TSUNG-YI CHEN	04/04/2019
PETER J. WORTERS	04/16/2019
RECEIVING PARTY DATA	
Name:	CORNING OPTICAL COMMUNICATIONS LLC
Street Address:	800 17TH STREET NW
City:	HICKORY
State/Country:	NORTH CAROLINA
Postal Code:	28601
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15081311
CORRESPONDENCE DATA	
Fax Number:	(828)901-5206
<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>	
Phone:	828-901-5156
Email:	mcclainka@corning.com
Correspondent Name:	CORNING OPTICAL COMMUNICATIONS LLC
Address Line 1:	INTELLECTUAL PROPERTY DEPARTMENT
Address Line 2:	SP-TI-03-1
Address Line 4:	CORNING, NEW YORK 14831
ATTORNEY DOCKET NUMBER:	HI17-837B
NAME OF SUBMITTER:	C. KEITH MONTGOMERY
SIGNATURE:	/C. Keith Montgomery/
DATE SIGNED:	05/08/2019
Total Attachments: 6	
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ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto CORNING OPTICAL COMMUNICATIONS LLC, a corporation organized and existing under the laws of the State of North Carolina, having its principal place of business at Hickory, North Carolina, (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 **Enhanced Features for a Gateway Coordinating Multiple Small Cell Radio Access Networks** such inventions being generally described in an application for Letters Patent of the United States executed on

<i>DATE</i>	<u>04/04/2019</u>
<i>DATE</i>	<u></u>
<i>DATE</i>	<u>04/16/2019</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.

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

2019/04/04

Date


Tsung-Yi Chen

Date

Jaspreet Singh

Date

Peter J. Worters

State of California)

: ss.

County of _____)

On the ____ day of _____ 2019, before me personally came **Tsung-Yi Chen** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of California)

: ss.

County of _____)

On the ____ day of _____ 2019, before me personally came **Jaspreet Singh** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of California)

: ss.

County of _____)

On the ____ day of _____ 2019, before me personally came **Peter J. Worters** 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 to convey the same as herein expressed.

Signed

Date **Tsung-Yi Chen**

Date **Jaspreet Singh**

4/16/19 
Date **Peter J. Worters**

State of California)
: ss.
County of _____)

On the _____ day of _____ 2019, before me personally came **Tsung-Yi Chen** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of California)
: ss.
County of _____)

On the _____ day of _____ 2019, before me personally came **Jaspreet Singh** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

State of California)
: ss.
County of _____)

On the _____ day of _____ 2019, before me personally came **Peter J. Worters** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

Delaware

The First State

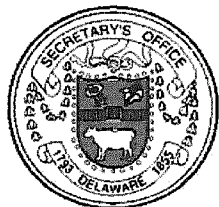
Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE CERTIFICATE OF MERGER WHICH
MERGES:

"SPIDERCLOUD WIRELESS, INC.", A DELAWARE CORPORATION,
WITH AND INTO "CORNING OPTICAL COMMUNICATIONS LLC" UNDER THE
NAME OF "CORNING OPTICAL COMMUNICATIONS LLC", A LIMITED
LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE
STATE OF NORTH CAROLINA, WAS RECEIVED AND FILED IN THIS OFFICE
THE SEVENTH DAY OF NOVEMBER, A.D. 2018, AT 9:09 O`CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID LIMITED
LIABILITY COMPANY SHALL BE GOVERNED BY THE LAWS OF THE STATE OF
NORTH CAROLINA.

AND I DO HEREBY FURTHER CERTIFY THAT UPON FILING OF THE
AFORESAID , THE CORPORATE EXISTENCE OF "SPIDERCLOUD WIRELESS,
INC." WAS TERMINATED.



4249454 8330
SR# 20187956010

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 204021130
Date: 12-04-18

PATENT
REEL: 049118 FRAME: 0573

State of North Carolina
Department of the Secretary of State

ARTICLES OF MERGER

Pursuant to North Carolina General Statute Sections 55-11-05(a), 55A-11-09(d), 55A-11-04, 57D-9-42, 59-73.32(a) and 59-1072(a), as applicable, the undersigned entity does hereby submit the following Articles of Merger as the surviving business entity in a merger between two or more business entities.

1. The name of the surviving entity is Corning Optical Communications LLC, a (check one)
☐ corporation, ☐ nonprofit corporation, ☐ professional corporation, ☒ limited liability company,
☐ limited partnership, ☐ partnership, ☐ limited liability partnership organized under the laws of

North Carolina
(state or country).

2. The address of the surviving entity is:

Street Address 800 17th Street, NW City Hickory
State North Carolina Zip Code 28601 County Catawba

- (a) (Complete only if the surviving business entity is a foreign business entity that is not authorized to transact business or conduct affairs in North Carolina.) The mailing address of the surviving foreign business entity is:

Street Address _____ City _____

State _____ Zip Code _____ County _____

The Surviving foreign business entity will file a statement of any subsequent change in its mailing address with the North Carolina Secretary of State.

3. For each merging entity: (if more than one, complete on separate sheet and attach.)

The name of the merged entity is SpiderCloud Wireless, Inc., a (check one)
☒ corporation, ☐ nonprofit corporation, ☐ professional corporation, ☐ limited liability company,
☐ limited partnership, ☐ partnership, ☐ limited liability partnership organized under the laws of

Delaware
(state or country).

The mailing address of each merging entity is: (if more than one, complete on separate sheet and attach)

Street Address 475 Sycamore Drive City Milpitas
State California Zip Code 95035 County Santa Clara

4. If the surviving business entity is a domestic business entity, the text of each amendment, if any, to the Articles of Incorporation, Articles of Organization, or Certificate of Limited Partnership within the Plan of Merger is attached.


5. A Plan of Merger has been duly approved in the manner required by law by each of the business entities participating in the merger.

6. These articles will be effective upon filing unless a delayed date and/or time is specified _____.

This the 6 day of November, 20 18.

Corning Optical Communications LLC

Name of Entity


Signature

Michael A. Bell, President

Type or Print Name and Title

NOTES:

1. Filing fee is \$50 for For-profit entities.
2. Filing fee is \$25 for Non-profit entities.
3. This document must be filed with the Secretary of State. Certificate(s) of Merger must be registered pursuant to the requirements of N.C.G.S. Section 47-18.1

BUSINESS REGISTRATION DIVISION
(Revised July, 2017)

P. O. BOX 29622

RALEIGH, NC 27626-0622
(Form BE-15)

PATENT

RECORDED: 05/08/2019

REEL: 049118 FRAME: 0575