

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3630996

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN JOSEPH CARACCI	11/23/2015
YE FANG	11/23/2015
ANN MEEJIN FERRIE	11/20/2015
YAN JIN	11/19/2015
LINGYAN WANG	11/23/2015
YUE ZHOU	11/23/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CORNING INCORPORATED
<b>Street Address:</b>	SP-TI-03
<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>	14950771
<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>Phone:</b>	607-974-0084
<b>Email:</b>	lbuell@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>	SP14-363
<b>NAME OF SUBMITTER:</b>	SUSAN S. WILKS
<b>SIGNATURE:</b>	/Susan S. Wilks/
<b>DATE SIGNED:</b>	11/24/2015
<b>Total Attachments: 8</b>	

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**First Named Inventor:** Stephen Joseph Caracci  
**Applicant:** CORNING INCORPORATED

**COMBINED  
STATEMENT UNDER  
37 C.F.R. § 3.73(c)  
and  
POWER OF ATTORNEY**

**Serial No.:**  
**Filed:**  
**For:** MAGNETIC MICROCARRIERS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT UNDER 37 C.F.R. § 3.73(c)**

**CORNING INCORPORATED**, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above, as evidenced by an assignment from the inventor(s) thereof that was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_ Frame \_\_\_\_\_, or a true copy of which is attached hereto. As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or currently is being, submitted for recordation pursuant to 37 CFR 3.11.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this statement on behalf of the assignee.

**POWER OF ATTORNEY BY ASSIGNEE**

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **MAGNETIC MICROCARRIERS** and executed by Stephen Joseph Caracci, Ye Fang, Ann MeeJin Ferrie, Yan Jin, Lingyan Wang and Yue Zhou on 11/23/15, 11/23/15, 11/20/15, 11/19/15, 11/23/15, 11/23/15, respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Intellectual Property Department, Corning Incorporated) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Susan S. Wilks at the address associated with that Customer Number.

Customer Number: 22928

CORNING INCORPORATED



Date: 11/24/15

By \_\_\_\_\_

Thomas R. Beall  
Vice President and Chief IP Counsel  
Corning Incorporated

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 MAGNETIC MICROCARRIERS, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 11/23/2015  
DATE 11/23/2015  
DATE 11/20/2015  
DATE 11/19/2015  
DATE 11/23/15  
DATE 11/23/15

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 Corning, NY, this

\_\_\_\_\_  
Date Stephen Joseph Caracci

\_\_\_\_\_  
Date Ye Fang

\_\_\_\_\_  
Date Ann MeeJin Ferrie

11/19/2015  
\_\_\_\_\_  
Date Yan Jin

\_\_\_\_\_  
Date Lingyan Wang

\_\_\_\_\_  
Date Yue Zhou

State of New York)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 2015, before me personally came Stephen Joseph Caracci 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 \_\_\_\_\_ 2015, before me personally came Ye Fang known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

Revised: June 4, 2015

State of New York)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 2015, before me personally came Ann Melissa Ferrie known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

State of )  
: ss.  
County of )

*Please see attached  
acknowledgement  
gr.*

On the \_\_\_\_ day of \_\_\_\_\_ 2015, before me personally came Van Jin 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 \_\_\_\_\_ 2015, before me personally came Lingyan Wang 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 \_\_\_\_\_ 2015, before me personally came Yue Zhen known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

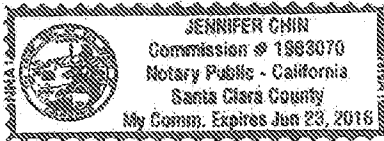
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )
County of SANTA CLARA )
On 11/19/2015 before me, JENNIFER CHIN, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared YAN JIN
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the person(s); or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: MAGNETIC MICROCASSETS Document Date: 11/19/2015

Number of Pages: 20 Signer(s) Other Than Named Above: ---

Capacity(ies) Claimed by Signer(s)

Signer's Name: Signer's Name:
[ ] Corporate Officer -- Title(s): [ ] Corporate Officer -- Title(s):
[ ] Partner -- [ ] Limited [ ] General [ ] Partner -- [ ] Limited [ ] General
[ ] Individual [ ] Attorney in Fact [ ] Individual [ ] Attorney in Fact
[ ] Trustee [ ] Guardian or Conservator [ ] Trustee [ ] Guardian or Conservator
[ ] Other: [ ] Other:
Signer Is Representing: Signer Is Representing:



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 Corning, NY, this

11/27/2015  
Date \_\_\_\_\_  
[Signature]  
Stephen Joseph Caracci

11/27/2015  
Date \_\_\_\_\_  
[Signature]  
Ye Fang

11/20/15  
Date \_\_\_\_\_  
[Signature]  
Ann Meejin Ferrie

\_\_\_\_\_  
Date \_\_\_\_\_  
11/23/2015  
Yan Jin

\_\_\_\_\_  
Date \_\_\_\_\_  
11/23/2015  
Lingyan Wang

\_\_\_\_\_  
Date \_\_\_\_\_  
[Signature]  
Yue Zhou

State of New York)

: ss.

County of Steuben)

On the 23<sup>rd</sup> day of November 2015, before me personally came Stephen Joseph Caracci known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

[Signature]  
Notary Public

Shana L. Wilson  
Notary Public, State of New York  
Qualified in Steuben County No. 01W16314977  
My Commission Expires November 17, 2018

State of New York)

: ss.

County of Steuben)

On the 23<sup>rd</sup> day of November 2015, before me personally came Ye Fang known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

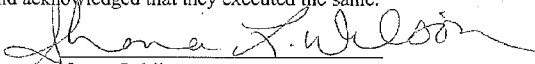
[Signature]  
Notary Public

Shana L. Wilson  
Notary Public, State of New York  
Qualified in Steuben County No. 01W16314977  
My Commission Expires November 17, 2018

Revised: June 4, 2015

State of New York)  
: ss.  
County of Steuben)

On the 20<sup>th</sup> day of November 2015, before me personally came **Ann MeeJin Ferrie** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

  
Notary Public

**Shana L. Wilson**  
Notary Public, State of New York  
Qualified in Steuben County No. **01W16314977**  
My Commission Expires November 17, 2018

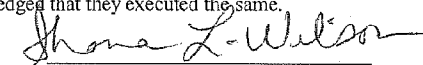
State of )  
: ss.  
County of )

On the \_\_\_\_ day of \_\_\_\_\_ 2015, before me personally came **Yan Jin** 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)

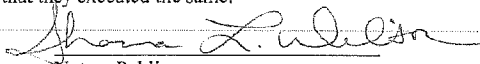
On the 23<sup>rd</sup> day of November 2015, before me personally came **Lingyan Wang** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

  
Notary Public

**Shana L. Wilson**  
Notary Public, State of New York  
Qualified in Steuben County No. **01W16314977**  
My Commission Expires November 17, 2018

State of New York)  
: ss.  
County of Steuben)

On the 23<sup>rd</sup> day of November 2015, before me personally came **Yue Zhou** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

  
Notary Public

**Shana L. Wilson**  
Notary Public, State of New York  
Qualified in Steuben County No. **01W16314977**  
My Commission Expires November 17, 2018

Revised: June 4, 2015