**PATENT ASSIGNMENT**

Electronic Version v1.1
Stylesheet Version v1.1

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>James R Cole</td>
<td>12/04/2009</td>
</tr>
<tr>
<td>Keith J Donohue</td>
<td>11/10/2009</td>
</tr>
<tr>
<td>Michael Lucien Genier</td>
<td>12/08/2009</td>
</tr>
<tr>
<td>Michael W Price</td>
<td>12/15/2009</td>
</tr>
<tr>
<td>William Rogers Rosch</td>
<td>12/15/2009</td>
</tr>
<tr>
<td>Jeffrey L Sunderland</td>
<td>12/04/2009</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

- **Name:** Corning Incorporated
- **Street Address:** SP-TI-03-1
- **City:** Corning
- **State/Country:** NEW YORK
- **Postal Code:** 14831

### PROPERTY NUMBERS Total: 1

<table>
<thead>
<tr>
<th>Property Type</th>
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<tbody>
<tr>
<td>Application Number</td>
<td>12603046</td>
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### CORRESPONDENCE DATA

- **Fax Number:** (607)974-3848
- **Correspondence will be sent via US Mail when the fax attempt is unsuccessful.**
- **Phone:** 607-974-0084
- **Email:** henshawja@corning.com
- **Correspondent Name:** CORNING INCORPORATED
- **Address Line 1:** SP-TI-3-1
- **Address Line 4:** CORNING, NEW YORK 14831

**ATTORNEY DOCKET NUMBER:** SP08-287
<table>
<thead>
<tr>
<th>NAME OF SUBMITTER:</th>
<th>Walter M. Douglas</th>
</tr>
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Total Attachments: 6

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source=2009-12-17_SP08-287_Assignment#page6.tif
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 CALCIUM FLUORIDE OPTICS WITH IMPROVED LASER DURABILITY, such inventions being generally described in an application for Letters Patent of the United States executed on

<table>
<thead>
<tr>
<th>DATE</th>
<th>12-4-09</th>
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<tbody>
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<td>DATE</td>
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<td>12-15-09</td>
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<td>DATE</td>
<td>12-15-09</td>
</tr>
</tbody>
</table>

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.

Revised: August 4, 2009
Signed at Corning, Fairport and Canton, NY, this

__________________________                ______________________________
Date                                      James R Cole

__________________________                ______________________________
Dec. 8, 2009                               Keith J Donohue

__________________________                ______________________________
11/7/09                                   Michael Lucien Genier

__________________________                ______________________________

__________________________                ______________________________
12/15/09                                  William Rogers Rosch

__________________________                ______________________________
12/15/09                                  Jeffrey L Sunderland

State of New York)                        : ss.
County of St. Lawrence

On the ___ day of ____________ 2009, before me personally came James R Cole 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 Monroe

On the ___ day of ____________ 2009, before me personally came Keith J Donohue 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 ______________ 2009, before me personally came Michael Lucien Genier known to be the person
described in and who executed the foregoing instrument, and acknowledged that they executed the same.

______________________________
Notary Public

Julie Henshaw
Notary Public, State of New York
Qualified In Steuben County No. 01HG6201882
My Commission Expires March 9, 2013

Revised: August 4, 2009
State of New York

: ss.

County of Steuben

On the 24th day of November 2009, before me personally came Robert Stephen Pavlik Jr known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Margaret E. Henderson
Notary Public
State of New York, No. 01HE6215989
Qualified in Yates County
Commission Expires January 16, 2013

State of New York

: ss.

County of Steuben

On the 15th day of December 2009, before me personally came Michael William Price known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Julie Henshaw
Notary Public State of New York
Qualified in Steuben County No. 01HE6201882
My Commission Expires March 9, 2013

State of New York

: ss.

County of St. Lawrence

On the ___ day of __________ 2009, before me personally came Jeffrey L Sunderland known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

Revised: August 4, 2009
Signed at Corning, Fairport and Canton, NY, this

Date
11/20/09

James R. Cole

Keith J. Donohue

Date

Michael Lucien Genier

Date

Robert Stephen Pavlik Jr

Date

Michael William Price

Date

William Rogers Rosch

Date

Jeffrey L. Sunderland

State of New York) :
County of St. Lawrence)

On the _____ day of ___________ 2009, before me personally came James R. Cole 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) :
County of Monroe)

On the _____ day of ___________ 2009, before me personally came Keith J. Donohue 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) :
County of Steuben)

On the _____ day of ___________ 2009, before me personally came Michael Lucien Genier known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

Revised: August 4, 2009
Signed at Corning, Fairport and Canton, NY, this

13/4/09
James R Cole

Date

Keith J Donohue

Date

Michael Lucien Genier

Date

Robert Stephen Pavlik Jr

Date

Michael William Price

Date

12/4/09
William Rogers Rosch

Date

Jeffrey L Sunderland

State of New York) : ss.
County of St. Lawrence)

On the 4th day of December 2009, before me personally came James R Cole known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

On the ____ day of ___________ 2009, before me personally came Keith J Donohue known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

On the ____ day of ___________ 2009, before me personally came Michael Lucien Genier known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Revised: August 4, 2009
State of New York)
    : ss.
County of Steuben)

On the ____ day of _______ 2009, before me personally came Robert Stephen Pavlik Jr 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 _______ 2009, before me personally came Michael William Price 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 _______ 2009, before me personally came William Rogers Rosch 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 St. Lawrence)

On the ___ day of December 2009, before me personally came Jeffrey L Sunderland known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

________________________________________
Notary Public

JOANNE M. CUNNINGHAM
Notary Public - State of New York
Notary No. 01CU5805500
Qualified in Lawrence County
Commission Expires 12/31/2010

Revised: August 4, 2009

RECORDED: 12/17/2009
REEL: 023670 FRAME: 0465