

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4666923

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JINSOO KIM	10/25/2017
KWANGJIN KIM	10/30/2017
BONHYOUNG KIM	10/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CORNING INCORPORATED
<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>
Application Number:	15570917
<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>	tuckergl@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>	SP15-148
<b>NAME OF SUBMITTER:</b>	KEVIN M. ABLE
<b>SIGNATURE:</b>	/Kevin M. Able/
<b>DATE SIGNED:</b>	10/31/2017
<b>Total Attachments: 3</b>	
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source=20171031_SP15-148_US_Assignment#page2.tif	
source=20171031_SP15-148_US_Assignment#page3.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 **APPARATUS AND METHODS FOR PROCESSING MOLTEN MATERIAL**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE 10/25/2017  
DATE 10.23.2017  
DATE 10.30.2017

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 Chungcheongnam-do, KOREA, this

10/25/2017  
Date

[Signature]  
Jin-soo Kim

On the 25th day of October 2017, before me personally came **Jin-soo Kim** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

[Signature]  
Witness

Signed at CORNING, NEW YORK, this

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kwangjin Kim

State of NEW YORK)  
: ss.  
County of Steuben)

On the \_\_\_\_ day of \_\_\_\_\_ 2017, before me personally came **Kwangjin Kim** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

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

Signed at CPM, Cheonan, South Korea, this

10.30. 2017  
Date

[Signature]  
Bonhyoung Koo

On the 30th day of Oct 2017, before me personally came **Bonhyoung Koo** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

[Signature]  
Witness

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 \_\_\_\_\_, this

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jin-soo Kim

On the \_\_\_\_\_ day of \_\_\_\_\_ 2017, before me personally came **Jin-soo Kim** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

\_\_\_\_\_  
Witness

Signed at CORNING, NEW YORK, this

23-Oct-17  
Date

Kwangjin Kim  
Kwangjin Kim

State of NEW YORK)

: ss.

County of Steuben)

On the 23 day of October 2017, before me personally came **Kwangjin Kim** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

LuAnne Wheeler  
Notary Public  
LuAnne Wheeler  
Notary Public, State of New York  
Qualified in Steuben County, No. 01WH6338409  
My Commission Expires March 14, 2020

Signed at \_\_\_\_\_, this

\_\_\_\_\_  
Bonhyoung Koo

\_\_\_\_\_  
Date

On the \_\_\_\_\_ day of \_\_\_\_\_ 2017, before me personally came **Bonhyoung Koo** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

\_\_\_\_\_  
Witness

Revised: May 15, 2016

RECORDED: 10/31/2017

PATENT  
REEL: 043995 FRAME: 0218