Case Name: SP03-009

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102652498 recora the attached documents or copy thereof. (1) Conveying Party(ies): OIAO LI WILLIAM R ROSCH PAUL M SCHERMERHORN Title: CRYSTAL GROWTH METHODS Additional name(s) of conveying party(ies) attached? Yes No X (2) Receiving Party: Corning Incorporated Patent Dept.; SP-TI-03-1 Corning, NY 14831 (3) Nature of conveyance: Assignment executed: 1/7/04, 1/7/04, & 1/6/04 (4) Application number(s) and/or patent number(s) against which this assignment is to be recorded: A. Patent Application No.(s): B. Patent No.(s): Filing date: Filing date: If this document is being filed together with a new application, this assignment is also to be recorded against said application, executed on 1/7/04, 1/7/04, & 1/6/04. (5) Name and address of party to whom correspondence concerning document should be mailed: Name: Walter M. Douglas Reg. No.34,510 Corning Incorporated Patent Department SP-TI-03-1 Corning, NY 14831 Phone No.: 607-974-2431 (6) Total Number of applications and/or patents involved: one (7) Total Fee = \$40.00Enclosed (Check No.) Included with filing fee. Check No. Authorization given by Corning Incorporated to charge deposit account number 03-3325 (attached is a triplicate copy of this page) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Walter M. Douglas

Total number of pages comprising cover sheet: $\underline{1}$

01/22/2004 ECOOPER 00000278 033325 10757751

Walter M. Douglas

01 FC:8021 40.00 DA

Revision: August 28, 2002

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 **Crystal Growth Methods**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE January 7, 2004

DATE January 6, 2004

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.

PATENT REEL: 014919 FRAME: 0793

Attorney Docket No.: SP03-009

Signed at Corning, NY or North Brookfield, MA, this Qiao Li Date William R. Rosch Date State of Massachusetts) County of _ day of 2003, before me personally came Qiao Li known to be the person described in and On the who executed the foregoing instrument, and acknowledged that they executed the same. **Notary Public** State of Massachusetts) 2003, before me personally came William R. 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) County of Steuben) On the day of January 2008, before me personally came Paul M. Schermerhorn known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

State of New York)

.

County of Steuben)

On the ____ day of ____ 2003, before me personally came **Paul M. Schermerhorn** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Notary Public

3/3

JOAN VEINOT Notary Public

Commonwealth of Massachusetts My Commission Expires October 15, 2010

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 **Crystal Growth Methods**, such inventions being generally described in an application for Letters Patent of the United States executed on

DATE January 7, 2004

DATE January 7, 2004

DATE January 6, 2004

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.

PATENT REEL: 014919 FRAME: 0796

Attorney Docket No.: SP03-009

Signed at Corning, NY or North Brookfield, MA, this Qiao Li Date William R. Rosch Date State of Massachusetts) County of 2003, before me personally came Qiao Li known to be the person described in and day of who executed the foregoing instrument, and acknowledged that they executed the same. Notary Public State of Massachusetts) : SS. County of On the _ day of _ _ 2003, before me personally came William R. 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) County of Steuben) On the day of January 2008, before me personally came Paul M. Schermerhorn known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

RECORDED: 01/14/2004

Signed at Corning, NY or Nor	h Brookfield, MA, this	
Jan. 7, 2004	Quanta	
Date	Qiao Li	
117/2004	William R. Rosch	
Date	Wilham K. Rosen	
Date	Paul M. Schermerhorn	
State of Massachusetts)		
: ss. County of <i>Wolcester</i>)		
On the 7th day of January who executed the foregoing instru	4 2003, before me personally came Qiao Li known to be the person described in them, and acknowledged that they executed the same.	and
	Joan Veinst	
	Notary Public JOAN VEINOT	
State of Massachusetts)	Notary Public Commonwealth of Massachusetts My Commission Expires Cotober 15, 2010	
: ss. County of WorceSter	Cottober 15, 2010	
On the 7th day of Janua	200%, before me personally came William R. Rosch known to be the pereforegoing instrument, and acknowledged that they executed the same.	son
described in and who executed in	The Curat	
	Notary Public CANDISTRICT	
State of New York)	JOAN VEINOT Notary Public Commonwealth of Massachusetts My Commission Expires	
: ss. County of Steuben)	My Commission Expires October 15, 2010	
On the day of described in and who executed th	2003, before me personally came Paul M. Schermerhorn known to be the personal instrument, and acknowledged that they executed the same.	son
	Notary Public	
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