

10-18-2000



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RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other

U.S. Government  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached Execution Date  
Month Day Year

Name (line 1)  Execution Date   
 Name (line 2)

Second Party  
 Name (line 1)  Execution Date   
 Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)   If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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1) 7/2000 DBYRNE 00000209 500568 09386817

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Mail documents to be recorded with required cover sheet(s) information to:  
 Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 011168 FRAME: 0611**

**Correspondent Name and Address** Area Code and Telephone Number

Name

Address (line 1)

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Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/386,817"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT

PCT  PCT  PCT

**Number of Properties** Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

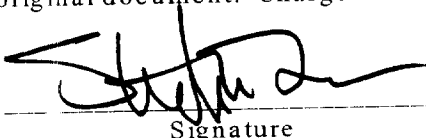
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**Statement and Signature**

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. Charges to deposit account are authorized, as indicated herein.

Stephen W. Barns 

Name of Person Signing Signature Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 3)

Name (line 4)

Execution Date  
Month Day Year

Name (line 5)

Name (line 6)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

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10-18-1999



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RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Ramin Dowlati Execution Date 10 DEC 1998  
Month Day Year

Name (line 2) \_\_\_\_\_

Second Party

Name (line 1) Seshadri Srinivasan Execution Date 15 DEC 1998  
Month Day Year

Name (line 2) \_\_\_\_\_

Receiving Party

Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached (Designation must be a separate document from Assignment.)

Name (line 1) Owens-Corning Fiberglas Technology, Inc.

Name (line 2) State of Delaware corporation

Address (line 1) 7734 West 59th Street

Address (line 2) \_\_\_\_\_

Address (line 3) Summit Illinois, USA 60501  
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

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01 FC:581 40.00 CH

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 011168 FRAME: 0614**

Handwritten: 10-18-99

Handwritten: D\$

Correspondent Name and Address

Area Code and Telephone Number

740/321-7168

Name Patent Administrator

Address (line 1) Owens Corning Science & Technology Center

Address (line 2) 2790 Columbus Road, Building 54-1

Address (line 3) Granville, Ohio 43023-1200

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments.

# 6

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/386,317

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

PCT  PCT  PCT

only if a U.S. Application Number

PCT  PCT  PCT

has not been assigned.

Number of Properties

Enter the total number of properties involved.

# 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 50-0568

Authorization to charge additional fees:

Yes

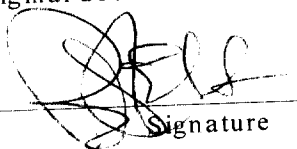
No

Statement and Signature

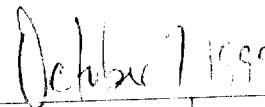
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Inger H. Eckert

Name of Person Signing



Signature



Date

**ASSIGNMENT**

**I/WE** ("Assignor"), **Ramin Dowlati**, a resident of Gahanna, Ohio and a citizen of Canada, **Seshadri Srinivasan**, a resident of Worthington, Ohio and a citizen of USA, have invented a new and useful improvement in **A Filament Forming Apparatus and a Cooling Apparatus for and Method of Cooling a Filament Forming Area** ("the Invention"), and have executed an Application for United States Patent based thereon having Attorney Docket No. 24358A ("the Application").

**OWENS-CORNING FIBERGLAS TECHNOLOGY, INC.**, ("U.S. Assignee"), a corporation of Illinois having a place of business at 7734 West 59th Street, Summit, IL 60501, is desirous of acquiring and has acquired certain U.S. rights in and to the Invention and the Application.

**OWENS CORNING** ("Non-U.S. Assignee"), a corporation of Delaware having a place of business at One Owens Corning Parkway, Toledo, Ohio, 43659, is desirous of acquiring and has acquired certain non-U.S. rights in and to the Invention and patent applications based on or claiming priority to the Application.

**NOW THEREFORE**, for one (US \$1.00) dollar and other valuable consideration, the receipt of which is hereby acknowledged:

**I/WE**, Assignor, have agreed to and do hereby sell, assign, and transfer unto U.S. Assignee my/our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies), in and to the Invention, the Application, and any and all patents (including extensions, reissues, and reexaminations thereof) of the United States of America that have been or may be granted on the Invention or any part thereof, or on the Application or any divisional, continuation, renewal, reissue, or other U.S. patent application based in whole or in part on the Application or the Invention ("the U.S. Patent Rights"); the U.S. Patent Rights **TO BE HELD AND ENJOYED** by U.S. Assignee, its successors, and assigns to the full ends of the respective terms or periods for which the U.S. Patent Rights are pending, in force, or have been or may be granted or extended, as fully and entirely as the same would have been held and enjoyed by me/us had no assignment of said right, title, and interest been made;

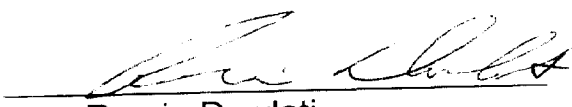
**AND I/WE**, Assignor, have agreed to and do hereby sell, assign, and transfer unto Non-U.S. Assignee my/our entire right, title, and interest in all countries other than the United States of America, along with the right to claim priority based on the Application, in and to the Invention, all non-U.S. patent applications based on or claiming priority to the Application, and any and all patents (including extensions, reissues, and reexaminations thereof) of such countries that have been or may be granted on the Invention or any part thereof, or on any non-U.S. patent application based on or claiming priority to the Application, or on any divisional, continuation, renewal, reissue, or other patent application based in whole or in part on the Application, any patent application based on or claiming priority to the Application, or

the Invention ("the Non-U.S. Patent Rights"); the Non-U.S. Patent Rights TO BE HELD AND ENJOYED by Non-U.S. Assignee, its successors, and assigns to the full ends of the respective terms or periods for which the Non-U.S. Patent Rights are pending, in force, or have been or may be granted or extended, as fully and entirely as the same would have been held and enjoyed by me/us had no assignment of said right, title, and interest have been made.

**FURTHER, I/WE**, Assignor, hereby covenant and agree for myself/ourselves, my/our heirs, and my/our legal representatives to assist U.S. Assignee and Non-U.S. Assignee in the prosecution of any and all patent applications assigned hereby and in any interference, opposition, or other legal proceeding that may arise involving the Invention, the Application, the U.S. Patent Rights, or the Non-U.S. Patent Rights, and, upon request, to execute without further consideration all papers necessary or desirable for the preparation or prosecution of any divisional, continuation, renewal, reissue, reexamination, or other applications for patents in any country that might be deemed necessary or desirable by U.S. Assignee or Non-U.S. Assignee to fully to secure its respective right, title, and interest in and to the Invention or any part thereof, in and to the Application or any patent application based thereon or claiming priority thereto, or in and to the U.S. Patent Rights or the Non-U.S. Patent Rights, as aforesaid;

**AND I/WE**, Assignor, hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue to U.S. Assignee any United States patent that may be granted based on the Invention or the Application, or on any other U.S. application assigned hereby; and I/we hereby authorize and request the authorized officials of all countries other than the United States of America to issue to Non-U.S. Assignee any non-U.S. patent that may be granted based on the Invention or the Application, or on any non-U.S. application assigned hereby.

Signed this 10 day of Dec, 1998.

By:   
 Typed name: Ramin Dowlati

STATE OF Ohio )  
 ) ss.  
 COUNTY OF Licking )

Before me on the day, month and year identified above personally appeared Ramin Dowlati, to me known to be the person named in the above Assignment, who

signed the foregoing instrument in my presence and acknowledged the same to be his/her free act and deed.

Macee Richardson  
Notary Public Macee Richardson  
Living County, State of Ohio

SEAL

My commission expires: 10/1/2001

Signed this 15<sup>th</sup> day of December, 1998.

By: Seshadri Srinivasan  
Typed name: Seshadri Srinivasan

STATE OF Ohio )  
  ) ss.  
COUNTY OF Columbus )

Before me on the day, month and year identified above personally appeared Seshadri Srinivasan, to me known to be the person named in the above Assignment, who signed the foregoing instrument in my presence and acknowledged the same to be his/her free act and deed.

Donna Marie Deibert  
Notary Public

**DONNA MARIE DEIBERT**  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES AUGUST 13, 2003

SEAL

My commission expires: 10/1/2001