FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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U.S. Department of Commerce Patent and Trademark Office PATENT

## 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   Conveyance Type					
Submission Type    X   New   X   Assignment   Security Agreement					
Resultantission (Non-Recordation)					
Document ID# Change of Name					
Correction of PTO Error Reel # Frame #					
Corrective Document (For Use ONLY by U.S. Government Agencies)					
Reel #   Frame #   Departmental File   Secret File					
Conveying Party(ies)  Mark if additional names of conveying parties attached Execution Date Month Day Year					
Name (line 1) Timothy A. Sullivan 06/21/2000					
Name (line 2)  Execution Date					
Second Party Name (line 1) Jack L. Emerson    Month Day Year   06/28/2000					
Name (line 2)					
Receiving Party  Mark if additional names of receiving parties attached  If document to be recorded.					
Name (line I) Owens-Corning Fiberglas Technology, Inc.  Induction is an assignment and the receiving party is not					
Name (line 2) State of Delaware corporation States, an appointment					
Address (line 1) 7734 West 59th Street of a domestic representative is attached.					
Address (line 2) (Designation must be a separate document from Assignment.)					
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)					
08/11/2000 DNGLIYEN 00000194 500568 09539956 FOR OFFICE USE ONLY					
101 FC:581 40.00 CH					
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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

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Add	dress Area Code and Telephone Numbe	r 740/321-7168
Name Patent Administr	ator	
Address (line 1) Owens Corning Sc.	ience & Technology Center	
Address (line 2) 2790 Columbus Ro	ad, Building 54-1	
Address (line 3) Granville, Ohio	43023-1200	
Address (line 4)		
Pages Enter the total numb including any attack	per of pages of the attached conveyance doc hments.	ument # 6
Application Number(s) or Pate	171011	c if additional numbers attached
	er or the Patent Number (DO NOT ENTER BOTH number	
Patent Application Numb	Pat	ent Number(s)
If this document is being filed together with a signed by the first named executing inventor	<u>new</u> Patent Application, enter the date the patent applic	cation was Month Day Year 06/21/00
Patent Cooperation Treaty (PC		
Enter PCT application nur		PCT
only if a U.S. Application has not been assigned.	Number PCT PCT	PCT
Number of Properties	er the total number of properties involved.	# 1
Fee Amount For A	Amount for Department Linted (27 CPD 2 41)	40.00
Method of Payment:	Amount for Properties Listed (37 CFR 3.41):	\$ 40.00
Deposit Account	Enclosed Deposit Account X	
(Enter for payment by deposit accoun	t or if additional fees can be charged to the account.)  Deposit Account Number:	# 50-0568
	Authorization to charge additional fees:	Yes X No
Statement and Signature		
To the best of my knowledge	e and belief, the foregoing information is true	e and correct and any
attached copy is a true copy	of the original document. Charges to depos	sit account are authorized, as
indicated herein.	O PARTY	
Inger H. Eckert Name of Person Signing		July 11, 2000
Name of reison Signing	* Figurature	Date

*		
FORM PTO-1619C Expir'ss 06/30/99 OMB 0651-0027	RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	U.S. Department of Commerce Patent and Trademark Office PATENT
Conveying Party(ies) Enter additional Conveying Part	Mark if additional names of conveying partie	es attached Execution Date Month Day Year
Name (line 1) Ramin	Dowlati	07/05/2000
Name (line 2)		Execution Date
Name (line 1)		Month Day Year
Name (line 2)		Execution Date
Name (line 1)		Month Day Year
Name (line 2)		
Receiving Party(ies)  Enter additional Receiving Party  Name (line 1)  Name (line 2)  Address (line 1)  Address (line 2)	Mark if additional names of rec	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.)
Address (line 3)	City State/Country	Zip Code
Name (line 1)		If document to be recorded
Name (line 2)		is an assignment and the receiving party is not domiciled in the United States, an appointment of a
Address (line 1)		domestic representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	City State/Country	Zip Code
	or Patent Number(s) Mark if additional number tion Number or the Patent Number (DO NOT ENTER BOTH number	rs attached

## ASSIGNMENT

I/WE ("Assignor"), Timothy A. Sullivan, Jack L. Emerson, Ramin Dowlati, have invented a new and useful improvement in A Bushing Including A Terminal Ear And A Method of Manufacturing the Bushing ("the Invention"), and have executed an Application for United States Patent based thereon having Attorney Docket No. 24691A and/or Serial No. 09/539,956 ("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 good and 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	21 day of <u>June</u> , 2000	STATE OF ONO ) ss.		
BV: F	moth 9. Letter	Before me on the day, month and year identified above		
Name:	Timothy A. Sullivan	personally appeared Timothy A. Sullivan,		
Residence:		to me known to be the person named in the above Assignment, who signed the foregoing instrument in my presence and		
	Newark, Ohio 43055	acknowledged the same to be his/her/free act and deed.		
Citizenship:	US	Mona M. An bet		
•		Notary Public		
* * * * * * * *	********	My commission expires: NOTARY PUBLIC STATE OF OHIO MY COMMISSION EXPIRES AUGUST/3, 4003		
<b>6</b> : I.I.:		STATE OF )		
Signed this	day of, 2000	COUNTY OF ) ss.		
Ву:		Before me on the day, month and year identified above personally appeared Jack L. Emerson,		
Name:	Jack L. Emerson	to me known to be the person named in the above Assignment,		
Residence: 450 Renae Drive		who signed the foregoing instrument in my presence and		
	Newark, Ohio 43055	acknowledged the same to be his/her free act and deed.		
Citizenship:	US			
		Notary Public		
		SEAL		
		My commission expires:		
*****	*******	*********		
O:	5 day of 1, 6, 0000	STATE OF ON O		
Signed this	5 day of <u>fuly</u> , 2000	COUNTY OF LICKING ) ss.		
		,		
D	Karlet -	Before me on the day, month and year identified above		
By: Name:	Ramin Dowlati	personally appeared Ramin Dowlati,		
Residence:	1085 Ashmead Drive	to me known to be the person named in the above Assignment, who signed the foregoing instrument in my presence and		
Gahanna, Ohio 43230		acknowledged the same to be his/ber free act and deed.		
		1/2		
Citizenship:	CA	MMNUM. Deller		
		Notåry Public SEAL		
		My commission expires HONTARY PUBLIC STATE OF OHIO		
		MY COMMISSION SYRIPS AND A TO THE TOTAL TO		

Signed this _	21 day of June , 2000	STATE OF	) ) ss.		
	^ 00	COUNTY OF	)		
By: Tourthy q. Jollin		Before me on the day, month and year identified personally appeared Timothy A. Sullivan,	Before me on the day, month and year identified above personally appeared Timothy A. Sullivan,		
Name:	Timothy A. Sullivan	to me known to be the person named in the abov	to me known to be the person named in the above Assignment,		
Residence:					
	Newark, Ohio 43055	acknowledged the same to be his/her free act an	d deed.		
Citizenship:	US				
		Notary Public	0541		
			SEAL		
		My commission expires:			
* * * * * * * * *	******	******	* * * * * * * * *		
	30	STATE OF Tennessee	)		
Signed this _	28 day of <i>JUNE</i> , 2000	COUNTY OF Madison	) ss. `		
		country Pladison	,		
- 1	ch L. Emerson	Before me on the day, month and year identified	above		
By:	in L. Omerson	personally appeared Jack L. Emerson,			
Name	Jack L. Emerson 450 Renae Drive	to me known to be the person named in the above			
Residence.	Newark, Ohio 43055	who signed the foregoing instrument in my prese acknowledged the same to be his/her free act an			
	Newark, Offic 45055	acknowledged the same to be his/her free act an	.a ueea.		
Citizenship:	US	Viletta Lorg			
•		Notary Public			
		- 1 · 1	SEAL		
		My commission expires: 3/18/03			
*****	*********	******	. * * * * * * * * *		
		STATE OF	)		
Signed this	, day of, 2000		) ss.		
		COUNTY OF	)		
		Before me on the day, month and year identified	above		
By:		personally appeared Ramin Dowlati,			
Name:	Ramin Dowlati	to me known to be the person named in the above	_		
Residence:	1085 Ashmead Drive	who signed the foregoing instrument in my prese			
	Gahanna, Ohio 43230	acknowledged the same to be his/her free act an	id deed.		
Citizenship:	CA				
•		Notary Public	5541		
			SEAL		
		My commission expires:			