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FORM PTO Expires 06/30/99 OMB 0651-0027		J.S. Department of Commerce PATENT
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3/2	9/04 RECORD 192708745 IEET PATENTS ONLY	
	PATENTS ONLY missioner of Patents and Trademarks: Please record the attached original documents.	nt(s) or copy(ies).
Submission	Type Conveyance Type	
X New	X Assignment Security Agreeme	nt
Resubmi Documei	ssion (Non-Recordation) Int ID# License Change of Name	
Correction Reel #	on of PTO Error Frame # Merger Other	
Correctiv	ve Document (For Use ONLY by U.S. Government Age	ncies)
Reel#		Secret File
Conveying 1	<u> </u>	ttached Execution Date Month Day Year
Name (line 1)	Byron L. Bemis	07/20/2001
Name (line 2)		Execution Date
Second Party Name (line 1)	minother a guilling	Month Day Year
	Timothy A. Sullivan	07/20/2001
Name (line 2)		
Receiving P	arty Mark if additional names of rece	iving parties attached
Name (line 1)	Owens-Corning Fiberglas Technology, Inc.	If document to be recorded is an assignment and the
Name (line 2)	State of Illinois corporation	receiving party is not domiciled in the United
Address (line 1)		States, an appointment of a domestic
Address (ille I)	7734 West 59th Street	representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	Summit Illinois, USA 60501 City State/Country Zip Code	
Domestic R	epresentative Name and Address Enter for the first Receiving Party on	
Name		
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Address (line 1)		
Address (line 2)		
Address (line 3)		
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS

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 Expires 06/30/99 OMB 0651-0027	-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Corresponde	ent Name and Address	Area Code and Telephone Numb	er 740/321-7168
Name	Patent Administrator		
Address (line 1)	Owens Corning Science &	Technology Center	
Address (line 2)	2790 Columbus Road, Bui	ilding 54-1	
Address (line 3)	Granville, Ohio 43023-1	1200	
Address (line 4)			
Pages	Enter the total number of pa including any attachments.	ges of the attached conveyance do	cument # 10
	Number(s) or Patent Nun		rk if additional numbers attached
	e Patent Application Number or the P ent Application Number(s)	Patent Number (DO NOTENTER BOTH number	bers for the same property). tent Number(s)
09/894,672			tent Number(s)
	7		
If this document is	heing filed together with a new Pate.	nt Application, enter the date the patent appli	Month Day Vers
signed by the first	t named executing inventor.	in Application, enter the date the patent appli	ication was Month Day Year 07/20/01
Patent Coop	eration Treaty (PCT)	PCT PCT	PCT
	r PCT application number <u>if</u> a U.S. Application Number		
<u> </u>	not been assigned.	PCT PCT PCT	PCT
Number of P	roperties Enter the tot	tal number of properties involved.	# 1
Fee Amount	Fee Amount f	for Properties Listed (37 CFR 3.41)	: \$ 40.00
Method o Deposit	of Payment: Enclo	osed Deposit Account X	
	payment by deposit account or if addi	itional fees can be charged to the account.) Deposit Account Number:	# 50-0568
		uthorization to charge additional fees:	Yes X No
Statement an	ıd Signature		
attached	pest of my knowledge and beld copy is a true copy of the orded herein.	lief, the foregoing information is truriginal document. Charges to depo	e and correct and any sit account are authorized, as
	phen W. Barns	Show	23 Mar 2009
	of Person Signing	Signature	Date

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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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

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Conveying Pa	mark it additional names of conveying parties attached	Execution Date Month Day Year
Name (line 1) Ke	vin D. Smith	08/30/2001
Name (line 2)		Execution Date Month Day Year
Name (line 1) Da	vid H. Wolf	07/26/2001
Name (line 2)		Execution Date Month Day Year
Name (line 1) Ja	ck L. Emerson	07/23/2001
Name (line 2)		
Receiving Par	mark it additional frames of receiving parties	attached
Enter additional R	ecceiving Party(ies)	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment
Address (line 1)		of a domestic representative is attached. (Designation must be a separate
Address (line 2)	l l	document from Assignment.)
Address (line 3)	City State/Country Zip Code	
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment of a
Address (line 1)		domestic representative is attached. (Designation must
Address (line 2)		be a separate document from Assignment.)
Address (line 3)	City State/Country Zip Cod	
Application N	umber(s) or Patent Number(s) Mark if additional numbers attached	
	Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same	e property).
	tent Application Number(s) Patent Number	
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FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION

U.S. Department of Commerce Patent and Trademark Office

Омв 0631-0027	PATENTS ONLY	PATENT
Conveying Pa	ivial k it additional names of conveying parties attached	Execution Date
Name (line 1)	Bruno A. Purnode	Month Day Year 08/04/2001
Name (line 2)		Execution Date Month Day Year
Name (line 1)	James P. Tracy	07/31/2001
Name (line 2)		Execution Date Month Day Year
Name (line 1)	William L. Streicher	07/23/2001
Name (line 2)		
Receiving Par	Than it additional names of receiving parties	es attached
	eceiving Party(ies)	If document to be recorded
Name (line 1)		is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment
Address (line 1)		of a domestic representative is attached. (Designation must be a separate
Address (line 2)		document from Assignment.)
Address (line 3)	City State/Country Zip Cod	e
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		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 Co	ode
	umber(s) or Patent Number(s) Mark if additional numbers attached Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same	
	tent Application Number(s) Patent Number	
	Tatent Namo	

ASSIGNMENT

I/WE ("Assignor"), Byron L. Bemis, Timothy A. Sullivan, Kevin D. Smith, David H. Wolf, Jack L. Emerson, Bruno A. Purnode, James P. Tracy, William L. Streicher, have invented a new and useful improvement in **Reinforcement member for a bushing tip plate and related method** ("the Invention"), and have executed an Application for United States Patent based thereon having Attorney Docket No. 24913A and/or Serial No. 09/894,672 ("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 _	20 day of 30 y , 2001	STATE OF Oh10 COUNTY OF LICKINS)) ss.)
By: Name Residence	Byron L. Bemis 10538 Blue Jay Road Newark, Ohio 43056	Before me on the day, month and year identified all personally appeared Byron L. Bemis, to me known to be the person named in the above who signed the foregoing instrument in my present acknowledged the same to be his/her free act and	Assignment, ce and
Citizenship:	US	Notary Public DEIB NOTARY PUBLIC STATE OF C	ERT SEAL
		My commission expired COMMISSION EXPIRES AUGUS	13,2003
Signed this	20 day of 50CY , 2001	STATE OF Chio)) ss.
Signed this _		COUNTY OF LICKINS) 55.
By: Name: Residence:	Timothy A. Sullivan 84 Stonington Circle Newark, Ohio 43055	Before me on the day, month and year identified at personally appeared Timothy A. Sullivan, to me known to be the person named in the above who signed the foregoing instrument in my present acknowledged the same to be his/her free act and	Assignment, ce and deed.
Citizenship:	US	Notary Public AND MARKE DEIBE	RI
* * * * * * * * *	*******	My commission expires: COMMISSION EXPIRES ANOIST	13, 2003
Signed this _	day of, 2001	STATE OF COUNTY OF)) ss.)
By: Name: Residence:	Kevin D. Smith 812 Lantern Way Kanapolis, North Carolina 28081	Before me on the day, month and year identified a personally appeared Kevin D. Smith, to me known to be the person named in the above who signed the foregoing instrument in my presenacknowledged the same to be his/her free act and	Assignment,
Citizenship:	US	Notary Public	SEAL
		My commission expires:	
* * * * * * * *	* * * * * * * * * * * * * * * * * * * *	***********	******
Signed this _	26 day of July , 2001	STATE OF Ch10 COUNTY OF L10 Kins))ss.)
By: Day Name:	nd 7/ Wolf	Before me on the day, month and year identified a personally appeared David H. Wolf,	
	95 North 31st Street 123 Delmar Ave. Newark, Ohio 43055	to me known to be the person named in the above who signed the foregoing instrument in my presen acknowledged the same to be his/her free act and	ce and
Citizenship:		Loma M. Dalut Notary Public	*
		DONNA MARIE DEIBI NOTARY PUBLIC. STATE OF O My commission expired COMMISSION EXPIRES AUGUST	HIO

			STATE OF)
Signed this _	day of	, 2001	COUNTY OF) ss.)
			Before me on the day, month and year ident	tified above
By:			personally appeared Byron L. Bemis,	
Name: Residence:	Byron L. Bemis 10538 Blue Jay Road Newark, Ohio 43056		to me known to be the person named in the who signed the foregoing instrument in my packnowledged the same to be his/her free a	presence and
Citimanahini	He			
Citizenship:	05		Notary Public	SEAL
			My commission expires:	_
****	******	****	*******	*****
Cianad this	dov. of	2004	STATE OF)
Signed this	day of	, 2001	COUNTY OF) ss .)
By:			Before me on the day, month and year iden personally appeared Timothy A. Sullivan,	tified above
Name:	Timothy A. Sullivan		to me known to be the person named in the	ahove Assignment
Residence:	-	•	who signed the foregoing instrument in my	
	Newark, Ohio 43055	+	acknowledged the same to be his/her free a	
Citizenship:	US		Notary Public	
			riotary r abno	SEAL
			My commission expires:	_
*****	****	*****	*****	****
Signed this	30th day of August	, 2001	STATE OF MC)
Signed this	day of 14-52-5	, 2001	COUNTY OF CABANTUP) ss.)
Bv:	and find		Before me on the day, month and year iden personally appeared Kevin D. Smith,	itified above
Name:	Kevin D. Smith		to me known to be the person named in the	above Assignment
Residence:	812 Lantern Way Kanapolis, North Carolina	28081	who signed the foregoing instrument in my acknowledged the same to be his/her free a	presence and
Citizenship:	•		Angela The Petre	
			10.46	SEAL つる
			My commission expires:	
			STATE OF)
Signed this	day of	, 2001)) ss.
o.gc		,,	COUNTY OF)
By:			Before me on the day, month and year ider personally appeared David H. Wolf,	ntified above
Name:	David H. Wolf		to me known to be the person named in the	e above Assignment
Residence:			who signed the foregoing instrument in my acknowledged the same to be his/her free	presence and
Citizenship:	US			
·			Notary Public	SEAL
			My commission expires:	

		STATE OF COLO)
Signed this _	23 day of JULY , 2001	COUNTY OF LICKING) ss.)
3y: <u>La</u>	w/menm	Before me on the day, month and year identifice personally appeared Jack L. Emerson,	ed above
Name	Jack L. Emerson	to me known to be the person named in the ab	ove Assignment,
Residence:	450 Renae Drive	who signed the foregoing instrument in my pre	-
100,40,100.	Newark, Ohio 43055	acknowledged the same to be/his/her free act	
		Donna M. Vilut	,and 2002.
Citizenship:	US		
		Notary Public	SERT SEAL
		My commission expires consission Expires MODE	OHO ST 13,2003
****	*****	*****	*****
		STATE OF)
Signed this _	day of, 2001	COUNTY OF) ss.
		COUNTY OF)
		Before me on the day, month and year identifie	ed above
By:		personally appeared Bruno A. Purnode,	
Name:	Bruno A. Purnode	to me known to be the person named in the ab	-
Residence:		who signed the foregoing instrument in my pre	
	Granville, Ohio 43023	acknowledged the same to be his/her free act	and deed.
Citizenship:	US		
		Notary Public	SEAL
			SEAL
		My commission expires:	
* * * * * * *	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * *
		STATE OF)
Signed this _:	day of, 2001	00/19/7/ 05) ss.
		COUNTY OF	,
		Before me on the day, month and year identifi	ed above
By:		personally appeared James P. Tracy,	
Name:	James P. Tracy	to me known to be the person named in the al	
Residence:	111 Sunset Point	who signed the foregoing instrument in my pre	
	Anderson, South Carolina 29626	acknowledged the same to be his/her free act	and deed.
Citizenship:	US		
		Notary Public	
			SEAL
		My commission expires:	
*****	* * * * * * * * * * * * * * * * * * * *	******	*****
		STATE OF Ohio	\
Signed this	23 day of July , 2001	·)) ss.
o.g.,ouo	,,,	COUNTY OF LICKING)
		Before me on the day, month and year identifi	ed above
By: M	ll Xhank	personally appeared William L. Streicher,	ed above
Name:	William L. Streicher	to me known to be the person named in the al	bove Assignment
Residence:	734 Newark Road	who signed the foregoing instrument in my pre	-
,	Granville, Ohio 43023	acknowledged the same to be his/her free act	
		Amou M. On let	
Citizenship:	US		
		Notary Public DONNA MARIE DEL	BERT SEAL
		MOTARY PHOLIC. STATE O	10H0
		My commission expires	

				STATE OF)
	Signed this _	day of	, 2001) ss.
				COUNTY OF)
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	_			Before me on the day, month and year identif	ned above
	By:			personally appeared Jack L. Emerson,	
	Name:	Jack L. Emerson		to me known to be the person named in the a	-
	Residence:	450 Renae Drive		who signed the foregoing instrument in my pr	
		Newark, Ohio 43055		acknowledged the same to be his/her free ac	t and deed.
	Citizenship:	US			
				Notary Public	
					SEAL
				My commission expires:	
				wy commission expires.	
	*****	******	******	********	*****
		1. Ch 1		STATE OF \ Was)
	Signed this	4 day of bug	, 2001	•) ss.
		18	<u> </u>	COUNTY OF Motgomory)
				•	
	≤ 1	1		Before me on the day, month and year identi	fied above
	Ву:	> Wise		personally appeared Bruno A. Purnode,	
	Name: 🖈	Bruho A. Purnode		to me known to be the person named in the	above Assign well! !!!!!
C 40	Residence:	740 Wyst Maple Street	2 CAMINO COUNT	who signed the foregoing instrument in my p	
BAP.		Bruho A. Purnode 740 West Maple Street Granville, Ohio 43023	THE WOODLANDS,	acknowledged the same to be his/her free ac	t and and APP PUR
			TETAS 77382	Jan 1 de 10	\$2.50. V .0.
	Citizenship:	US		Dank Steeler	
	•			Notary Public	
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				M	Service 1
				My commission expires: 11 3000	10
	*****	*****	******	*******	
					*** It I I I I I I I I I I I I I I I I I
				STATE OF)
	Signed this	day of	, 2001) ss.
	- J			COUNTY OF)
				Before me on the day, month and year ident	ified above
	By:			personally appeared James P. Tracy,	
	Name:	James P. Tracy		to me known to be the person named in the	above Assignment,
	Residence:			who signed the foregoing instrument in my p	resence and
		Anderson, South Caroli	ina 29626 `	acknowledged the same to be his/her free a	ct and deed.
	Citizenship:	US			
	•			Notary Public	
					SEAL
				Man annual alam avalana	
				My commission expires:	-
	******	******	******	*******	*****
				STATE OF)
	Signed this	day of	, 2001) ss.
	Ū			COUNTY OF)
				Before me on the day, month and year ident	tified above
	·By:	William L. Streicher		personally appeared William L. Streicher,	
	Name:	William L. Streicher		to me known to be the person named in the	above Assignment,
	Residence:	734 Newark Road		who signed the foregoing instrument in my p	presence and
		Granville, Ohio 43023		acknowledged the same to be his/her free a	
	Citizenship:	· US			
	JJp.			Notary Public	
				•	SEAL
				My commission expires:	-

Other and Alasta	Ja., af	2004	STATE OF	,
Signed this _	day of	, 2001	COUNTY OF) ss. ')
			Before me on the day, month and year iden	tified above
By:			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 a	act and deed.
Citizanahin:	116			
Citizenship:	05		Notary Public	
				SEAL
			My commission expires:	
				-
			STATE OF)
Signed this	day of	, 2001	COUNTY OF) ss. \
			CODINITION	,
_			Before me on the day, month and year ider	ntified above
By:	Davis A. Diversale		personally appeared Bruno A. Purnode,	
Name: Residence:	Bruno A. Purnode		to me known to be the person named in the	
Residence.	740 West Maple Street Granville, Ohio 43023		who signed the foregoing instrument in my acknowledged the same to be his/her free:	•
	Granvine, Cino 40020		acknowledged the same to be marter free	act and deed.
Citizenship:	us '	1		
			Notary Public	SEAL
				52 .2
			My commission expires:	-
*****	* * * * * * * * * * * * * * * * * * * *	****	********	*****
			STATE OF)
Signed this	3/5 day of July	, 2001) ss.
			COUNTY OF)
			Before me on the day, month and year ide	ntified above
By:	- long		personally appeared James P. Tracy,	
Name:	James P. Tracy		to me known to be the person named in the	<u> </u>
Residence:	444 Sunset Point Anderson, South Carolina 1	nese .	who signed the foregoing instrument in my	
	54 SCALEYBAR	to Tank	acknowledged the same to be his/her free	act and deed.
Citizenship:	US CONCORD ALL	R IRAIL	Janua M. Brudt	
	US CONCORD, NO	28027	Notary Public	
				SEAL
			My commission expires: Opul 28, 200	3
*****	*****	* * * * * * * *	*****	*****
			STATE OF)
Signed this	day of	_ , 2001	STATE OF) ss.
J			COUNTY OF)
			Before me on the day, month and year ide	ntified above
By:			personally appeared William L. Streicher,	
Name:	William L. Streicher		to me known to be the person named in th	e above Assignment,
Residence:	734 Newark Road		who signed the foregoing instrument in my	presence and
	Granville, Ohio 43023		acknowledged the same to be his/her free	act and deed.
Citizenship:	LIS			
Oluzensinp.			Notary Public	
				SEAL
			My commission expires:	<u> </u>

RECORDED: 03/29/2004