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To the Director of the	102740422	. (the attached original	documents or cop	y thereof.
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Koyata TAKAHASHI			RPORATION		
Masanori KOHGO		4560 Kaisei- Shinnanyo-s			
			746-8501 JAPAN		
		,			
Additional name(s) of conveying party	y(ies) attached? ☐ Yes ☑ No				
3. Nature of conveyance:					
Ť	lerger				
, and the second	hange of Name				
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Execution Date: June 3, 2003		Additional na	me(s) & address(es) at	tached? Yes	☑ No
4. Application number(s) or pat					
If this document is being filed	d together with a new application	on, the execu	tion date of the appl	ication is:	
A. Patent Application No.(s)		B. Patent	• •		
10/405,226		Not Ye	t Assigned		
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5. Name and address of party to	- 1	6. Total nur	nber of applications	and patents invo	lved:
concerning document should		7 Total fac	(27 CED 2 41):	\$40.00	
SUGHRUE MION, PLL		7. Total lee	(37 CFR 3.41):	\$40.00	
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9. Statement and signature.					
To the best of my knowledge	and belief, the foregoing inform	mation is tru	e and correct and an	iy attached copy	is a true copy of
the original document.	Salagher Roy No 54,	109			
PDO/ fitnick f	d'agher		****	May 5, 2004	
Peter D. Olexy	24,51	3		Date	

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08-107-2003 MODIFIED Form PTO-1595 U.S. DEPARTMENT OF COMMERCE RJ U.S. Patent and Trademark Office (Rev. 10/02) To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Koyata TAKAHASHI TOSOH QUARTZ CORPORATION Masanori KOHGO 4560, Kaisei-cho, Shinnanyo-shi, Yamaguchi, 746-8501 Japan Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: June 3, 2003 Additional name(s) & address(es) attached?

Yes 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 10/405,226 Not Yet Assigned Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: SUGHRUE MION, PLLC 7. Total fee (37 CFR 3.41): \$40.00 ☑ Enclosed. WASHINGTON OFFICE ☐ Authorized to be charged to Deposit Account No. 19-4880. 23373 The USPTO is directed and authorized to charge all required CUSTOMER NUMBER fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. 8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. pbest of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the August 4, 2003 Reg. No. 24.513 Peter D. Olexy Date Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to:

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PATENT REEL: 015303 FRAME: 0993

ASSIGNMENT

Whereas, I/we, Koyata TAKAHASHI and Masanori KOHGO, both of Kanagawa, Japan

hereinafter called assignor(s), have invented certain improvements in

QUARTZ GLASS THERMAL SPRAYED PARTS AND METHOD FOR PRODUCING THE SAME and executed an application for Letters Patent of the United States of America therefor on

June 3, 2003; and

Whereas, **TOSOH CORPORATION** of 4560, Kaisei-cho, Shinnanyo-shi, Yamaguchi, 746-8501 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

l/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number ____10/405,226___, filed ____April 3, 2003___) the filing date and application number of said application when known.

Date:	June 3, 2003	si hoyata Tahahaslir
Date:	June 3, 2003	si_ Masanoore Rohgo
Date:		s/
Date:		s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RECORDED: 05/05/2004

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