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FORM PTO-1	08-23-2002			
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Conveying Party(ies)	Mark if additional names of conveying	5.		
Name (iii a 4) [Name IIi		Execution Date Month Day Year		
Name (line 1) Masaki		03 27 2002		
Name (line 2) TAKEUCHI				
Second Party		Execution Date		
Name (line 1) Yukio		Month Day Year 03 27 2002		
Name (line 2) SHIBANO				
Receiving Party	☐ Mark if additional names o	of receiving parties attached		
Name (line 1) SHIN-ETSU CHEMICAL C	O., LTD.	If document to be recorded		
Name (line 2)		is an assignment and the receiving party is not		
Address (line 1) 6-1. Otemachi, 2-chome		domiciled in the United States, an appointment of a domestic representative is attached.		
Address (line 1) 6-1, Otemachi, 2-chome		(Designation must be a separate document from		
Address (line 2) Chiyoda-ku		Assignment.)		
Address (line 3) Tokyo	JAPAN			
Domestic Representative Name and Ad	State/Country Enter for the first Receive	Zip Code		
Name Millen, White, Zelano & Branigan, I				
Address (line 1) 2200 Clarendon Boulevard				
Address (line 2) Suite 1400				
Address (line 3) Arlington, VA 22201				
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PATENT REEL: 013206 FRAME: 0401

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Correspondent N	Name and Address	Area Code and Telephone Number	er (703) 243-6333
Name [Millen, White, Zelano	& Branigan, P.C.	
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If this document is being f signed by the first named		nt Application, enter the date the patent app	olication was Month Day Year
Patent Cooperati	ion Treaty (PCT)		
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assigned.			
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	Deposit A	ccount Number:	# 13-3402
	Authoriza	tion to charge additional fees:	Yes 🛛 No 🗀
Statement and S	ignature		
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Anthony J. Zelano			August 19, 2002
Name of Persor	n Signing	Signature	Date
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PATENT REEL: 013206 FRAME: 0402

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Conveying Par	rty(ies)	☐ Mark if additional name	es of conveying parties attached	
			Execution Date Month Day Year	
Name (line 1)	Masaki		3 27 02	Ì
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Name (line 2)	TAKEUCHI			
Second Party			Execution Date	j
Name (line 1)	Yukio		Month Day Year 3 27 02	
, ,				
Name (line 2)	SHIBANO		10/125378	
Receiving Party		☐ Mark if addit	ional names of receiving parties attached	
Name (line 1)	SHIN-ETSU CHEMICAL C	O., LTD.	If document to be recorded	- [
Name (line 2)			is an assignment and the receiving party is not	Ì
110///0 (11/10 2)			domiciled in the United States,	.
Address (line 1)	6-1, Otemachi, 2-chome		an appointment of a domestic representative is attached.	
			(Designation must be a separate document from	
Address (line 2)	Chiyoda-ku		Assignment.)	-
Address (line 3)	Tokyo	Japan		
	City	State/Country	Zip Code	
Domestic Rep	resentative Name and Ad		ne first Receiving Party only.	
Name	Millen, White, Zelano & Branigan,			
	2200 Clarendon Boulevard			
Address (line 1)				
Address (line 2)	Suite 1400			
Address (line 3)	Arlington, VA 22201			
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time for reviewing the out. S. Patent and Trade Management and Bud	document and gathering the data nee mark Office, Chief Information Office get, Paperwork Reduction Project (06	eded to complete the Cover She r, Washington, D.C. 20231 and l 551-0027), Washington, D.C. 20	ely 30 minutes per Cover Sheet to be recorded, includi et. Send comments regarding this burden estimate to the to the Office of Information and Regulatory Affairs, Offic 503. See OMB Information Collection Budget Package RECORD ASSIGNMENT DOCUMENTS TO THIS	he ce of _l
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> PATENT ...REEL: 013206 FRAME: 0403

FORM PTO-1619 Expires 06/30/99 OMB 0651-0027	рв	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent	Name and Address	Area Code and Telephone Numb	er (703) 243-6333		
Name	Millen, White, Zelano	& Branigan, P.C.			
Address (line 1)	2200 Clarendon Boul	evard			
Address (line 2)	Suite 1400				
Address (line 3)	Arlington, VA 22201				
Address (line 4)					
Pages	Enter the total number including any attachm	of pages of the attached conveyar	ace document # 3		
Application Number(s) or Patent Number(s)					
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: # 13-3402 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.					
June Comer Name of Perso	on Signing	Signature	April 19, 2002 Date		

PATENT
.... REEL: 013206 FRAME: 0404

ASSIGNMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

Glass Substrate for Photomasks and Preparation Method

ш	for which an appli	ication for Letters Patent to be filed	I in the United	l States Pate	ent and Trademark	Office was execu	uted on
	even date.						
	for which U.S. Ap	plication Serial No			for Letters Pate	ent was filed in the	he U.S.
		mark Office on national Application was filed on _ nited States.		······································	PCT/	/	,
	AND WHEREAS	Shin-Etsu Chemical C 6-1, Otemachi, 2-cho	•		Tokyo, Japa	in	

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
1	Masaki TAKEUCHI	67 A E 187	3/27/02.
202	FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
1	Yukio SHIBANO	Y. Shibaw	3/27/02
203	FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
204	FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
205	FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
207	FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
208	FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
209	FULL NAME OF NINTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
210	FULL NAME OF TENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
	FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
212	FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE

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