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06-11-1999

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereor 2. Name and address of receiving party(ies): Name of conveying party(ies): Tadashi KOYAMA NIPPON SHEET GLASS CO., LTD. Keiji TSUNETOMO 5-11, Dosho-machi 3-chome Chuo-ku, Osaka-shi Osaka JAPAN Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: Assignment Merger Change of Name Security Agreement Other: Execution Date: March 15, 1999 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: March 15, 199 A. Patent Application No.(s) B. Patent No.(s) 09/284269 Additional numbers attached? ☐ Yes ☒ No Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Name: Curtis B. Hamre Address: Merchant & Gould P.C. Authorized to be charged to deposit account 3100 Norwest Center 90 South Seventh Street 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725 Minneapolis, MN 55402-4131 DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document. Curtis B. Hamre June 4, 1999 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 2 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the

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PATENT REEL: 010004 FRAME: 0831

▼INSTRUCTIONS

V940415

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

Inventor(s)		WHEREAS,	ashi Koyama	resid	dina at	Osaka,	Japan			
Name,										
Address, Citizenship				and a	citizen of	Japan			•	
Cazersrip		2. <u>Kei</u> j	i Tsunetomo	and a	ling at	Osaka,	Japan			
				and a	citizen of _	Japan				
		3		resid	ding at					
Date Patent			and a citizen of							
Declaration Signed and		(nerein ca Letters Pa	Letters Patent of the United States on for this invention, which application is entitled A Laser Processing Method to A Glass Substrate and An Optical Diffraction							
Title	•	is entitled	A Laser Pr	ocessing Method	d to A Gl	ass Subs	trate and	An Optica	l Diffraction	
	Obta			ethod for Manuf						
Serial No. and Filing Date	•	Serial Nu	Number and the filing date of; VHEREAS Nippon Sheet Glass Co., Ltd. (herein called							
Name of Corporation State or	>	AND WH	EREAS	Nippon ration organized un	Sheet Gla	ss Co.,L	td.	(nerein called	
		"ASSIGN	EE"), a corpor	ation organized unness at $\phantom{00000000000000000000000000000000000$	der the laws	s of	Japan me Chuc-l	n Osaka-	n d having an	
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Country of Incorporation and Address		wishes to	acquire the e	ntire right, title and e obtained therefor		and to said	invention a	nd patent ap	plication and	
i	3	from, and all request the Convention to the ASSIGNEE, in THE UNE tives will make instruments in documents, a THE UNDER ings and general or assigns the titles, benefits THE UNE assignment grass been or well as been or well as the convention of th	e United States in and to the invention disclosed in the aforesaid application, and in and to the said plication, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therem, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and quest the Commissioner of Patents to issue any and all united States Letters Patent for the aforesaid vention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the SIGNEE, its successors and assigns. THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representates will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other struments in writing including any and all further application papers, affidavits, assignments and other currents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to IE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceed-us and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, es, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be. THE UNDERSIGNED represent and agree with said ASSIGNEE, its successors and assigns, that no signment grant, mortgage, license or other agreement affecting the rights and property herein conveyed is been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein pressed is possessed by THE UNDERSIGNED.							
		IN TESTII below.	MONY WHER	EOF, THE UNDER		e hereunt			ites indicated	
Each Inventor Must Sign and Date	•			Tadasli Koy			15/3	/1999.		
			Signature	Tadashi K		Dat	e			
				Treigi Trune	Como		15/3	1 1777		
Note: No Legalization or Other Witness Required			Signature	Keiji Tsu		Dat		——————————————————————————————————————	Armany armania (mana) Armany arma	
•			Signature			Dat				

MERCHANT & GOULD

PATENT
RECORDED: 06/08/1999 REEL: 010004 FRAME: 0832