FORM PTO-1595 (Rev. 6-93)



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MRD 5-21-98 100123	Attorney Docket No.: 040808-5060		
To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.	ATTN: BOX ASSIGNMENT		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
 Shouji YAJIMA Hiroki JINBO 	Name: NIKON CORPORATION		
Additional name(s) of conveying party(ies) attached? Yes _X_ No	Internal Address:		
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other	Street Address: Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100, Japan City: State: Zip:		
Execution Date: April 10, 1998 and April 7, 1998	Additional name(s) & address(es) attached? Yes X No		
 4. Application number(s) or patent number(s): If this document is being filed together with a new application the	e execution date of the application is: B. Patent No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: _1		
Name: Mr. Robert J. Gaybrick Internal Address: Morgan, Lewis & Bockius LLP	7. Total fee (37 C.F.R §3.41):\$40.00 X Enclosed Authorized to be charged to deposit account 50-0310		
Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036	Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account		
9. 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. J. Michael Thesz Name of Person Signing Name of Person Signing Total number of pages including cover sheet, attachments and documents: 3			
05/27/1998 NITHES 08000025 09031516 Total numb	er or pages including cover sheet, attachments and documents: 3		

PATENT

REEL: 9191 FRAME: 0563

ATTORNEY DOCKET NO: 040808-5060 SOLE/JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT.

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

QUARTZ GLASS MANUFACTURING APPARATUS AND METHOD

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 27, 1998, (Serial No. 09/031,516) and

WHEREAS, NIKON CORPORATION, a corporation of JAPAN, whose post office address is <u>Fuji Building</u>, 2-3, <u>Marunouchi 3-chome</u>, Chiyoda-ku, Tokyo 100, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. <u>09/031,516</u>, filed <u>February 27, 1998</u>) the filing date and application number of said application when

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name	e of Sole or First Assignor	Assignor's Signature	Date
Shouji YA	JIMA	Shouji YAJIMA	Apl. 10. 1998
Address c/o Nikon Corporation, Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100, JAPAN		Citizenship JAPAN	

NAMES OF ADDITIONAL ASSIGNORS ATTACHED [X]YES [] NO

Morgan, Lewis & Bockius LLP

PATENT REEL: 9191 FRAME: 0564

ATTORNEY DOCKET NO: 040808-5060 SOLE/JOINT INVENTION (U.S. Rights Only)

Full Name of Second Assignor	Assignor's Signature	Date
Hiroki JINBO	Hiroki JINBO	Apl. 7. 1998
Address c/o Nikon Corporation, Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100, JAPAN		Citizenship JAPAN

NAMES OF ADDITIONAL ASSIGNORS ATTACHED [] YES [X] NO

Morgan, Lewis & Bockius LLP