FORM PTO-1595 (Rev. 6/93) O 1 P REC

06-01-2001

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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	Attorney's Docket No. <u>024705-082</u>			
To the Honoranda Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
1. Name of conveying party(ies): Xuelu ZOU and Kouji AZEGAMI 5-24	Name: HOYA CORPORATION			
	Address: 7-5, Naka-Ochiai 2-chome			
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	Shinjuku-ku			
3. Nature of conveyance:	Tokyo 161-0032, JAPAN			
[X] Assignment [] Merger [] Change of Name				
Other:	Additional name(s) & address(es) attached? [] Yes [X] No			
Execution Date: March 2, 1999	Additional name(s) & additess(es) adactied: [] Tes [A] NO			
4. Application number(s) or patent number(s): 09/266,753				
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)			
Additional numbers attac	hed? [] Yes [X] No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: E. Joseph Gess	7. Total fee (37 CFR § 3.41): \$_40.00			
Address: Burns, Doane, Swecker & Mathis, L.L.P.	[X] Enclosed			
P.O. Box 1404	[X] Authorized to be charged to deposit account, if necessary			
Alexandria, Virginia 22313-1404	8. Deposit account number:			
	02-4800			
DO NOT USE THIS SPACE				
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.				
Jurie A. Schwartz 7. Johnst Z Rej. No. 43, 909 May 24, 2001				
Name of Person Signing	Signature Date			
	Total number of pages including cover sheet, attachments, and document: 3			
Mail documents to be recorded with required cover sheet information to:				

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

(03/01)

024705-082 Attorney's Docket No.

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT by Xuelu Zou					
THIS ASSIGNMENT, byXue1u Zou					
, and <u>Kouji Azegami</u>					
residing at 1161-15, Nakagami, Akishima-shi, Tokyo 196-0022,					
Japan					
and1					
31-5, Fujimi-cho, Tachikawa-shi, Tokyo 190-0013, Japan (hereinafter					
referred to as "the Assignors"), respectively, witnesseth:					
MULTIPE AG ALL ALL ALL ALL ALL ALL ALL ALL ALL					
WHEREAS, the Assignors have invented certain new and useful improvements in CRYSTALLIZED GLASS FOR INFORMATION RECORDING MEDIUM, CRYSTALLIZED GLASS SUBSTRATE,					
AND INFORMATION RECORDING MEDIUM USING THE CRYSTALLIZED GLASS SUBSTRATE which is a provisional application to be filed herewith; & which is a non-					
provisional application having an oath or declaration executed on even date herewith prior to filing					
of application; bearing Application No, and filed on					
; and					
WHEREAS, HOYA CORPORATION , a corporation					
whereas, hora corporation , a corporation duly organized under and pursuant to the laws of Japan and having its					
principal place of business at 7-5, Naka-Ochiai 2-chome, Shinjuku-ku, Tokyo					
161-0032, Japan(hereinafter referred to as "the Assignee"), is desirous of acquiring the entire					
right, title, and interest in and to said inventions, the right to file applications on said inventions and					
the entire right, title and interest in and to any applications, including provisional applications for					
Letters Patent of the United States or other countries claiming priority to said application, and in					
and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.					
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and					
sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold,					
assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over,					
unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and					
interest in and to the above-mentioned inventions, the right to file applications on said inventions					
and the entire right, title and interest in and to any applications for Letters Patent of the United					
States or other countries claiming priority to said application, and any and all Letters Patent or					
Patents of the United States of America and all foreign countries that may be granted therefor and					
thereon, and in and to any and all applications claiming priority to said applications, divisions,					
continuations, and continuations-in-part of said applications, and reissues and extensions of said					
Letters Patent or Patents, and all rights under the International Convention for the Protection of					
Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf					
and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same					
would have been held and enjoyed by the Assignors had this sale and assignment not been made;					
would have been field and enjoyed by the Assignors had this sale and assignment flot been made;					
AND for the same consideration, the Assignors hereby covenant and agree to and with					
the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and					
delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title,					
and interest in and to the inventions set forth in said applications and said applications, including					

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PATENT REEL: 011841 FRAME: 0281

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provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth:

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date _	March 2,	1999	Signature of Assignor	Xuelu Zou Xuelu Zou
Date _	March 2,	1999	Signature of Assignor	Kouji Azegami Kouji Azegami
Date _			_ Signature of Assignor	
Date _			_ Signature of Assignor	
Date _			_Signature of Assignor	
Date _			_ Signature of Assignor	
Date _			_ Signature of Assignor	

(10/97)

RECORDED: 05/24/2001