OIFE	
JAN 2 7 2003 (2)	2003
Atty Docket No.: 229429US90  FORM PTO-1595 1-31-92  RECORDATIC PATE PATE	01-30-2003  U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks	102351754nts or copy thereof.
1. Name of conveying party(ies): 1-27-0	2. Name and address of receiving party(ies):
Yoshiko KASUGA, Kazuo TACHIWANA and Hiroaki YANAGITA	Name: HOYA CORPORATION
Additional name(s) of conveying party(ies) attached?   Yes   N	Address: 7-5, Naka-Ochiai 2-chome, Shinjuku-ku Tokyo 161-8525 Japan
3. Nature of Conveyance:	7
Assignment	
☐ Security Agreement ☐ Change of Name ☐ Other	
Execution Date: December 20, 2002	Additional name(s) and 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)
10/270,303	
Additional numbers attack	hed? 🗆 Yes 🖥 No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
	7. Total fee (37 CFR 3.41): \$40.00
	■ Enclosed □ Authorized to be charged to deposit account
22850	8. Deposit account number: 15-0030
	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE T	THIS SPACE
9. Statement and signature	
To the best of my knowledge and belief, the foregoing information copy of the original document.	1 H 1
Masayasu Mori  Name of Person Signing  Sign	pature Date
Registration Number: 47,301	Boaletra, un
Registration Number: 47,301	: No. 26,803
Total number of pages includin /29/2003 LMUELLER 00000181 10270303	ig this cover sheet. 5
AN AN ID	
Do not detach t	
Mail documents to be recorded with required cover sheet information.  Commissioner of Paten	
Box Assign Washington, I	nments

PATENT REEL: 013697 FRAME: 0012

## **Assignment of Application**

Page 1 of 2

	WHEREAS, I (WE) Yoshiko KASUGA of 3-17-11-103 Kajino-cho, Koganei-shi, Tokyo 184-0002 Japan,		
ERT NAMES D RESIDENCE	Kazuo TACHIWANA of 2-3-3 Midorigaoka, Hamura-shi, Tokyo 205-0003 Japan and		
DRESS OF E INVENTORS:	Hiroaki YANAGITA of 4-23-12-202 Hino-honmachi, Hino-shi, Tokyo 191-0011 Japan		
ERT TITLE	, respectively,		
INVENTION	have invented certain new and useful improvements in: OPTICAL GLASS, GLASS MATERIAL FOR PRESS		
	MOLDING, OPTICAL ELEMENT, AND METHOD OF MANUFACTURING SAME		
ERT DATE IN- NTORS SIGNED LARATION	for which an application for Letters Patent was executed on December 20, 2002		
	(Application No. 10/270,303 , filed October 15, 2002 ), and		
ERT NAME D ADDRESS OF MPANY OR HER ASSIGNEE	WHEREAS, HOYA CORPORATION		
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 7-5, Naka-Ochiai 2-chome, Shinjuku-ku		
	Tokyo 161-8525 Japan		
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

10/01

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date:	December 20, 2002	(Signature of Inventor) Yoshiko KASUGA
		(Signature of Inventor) Yoshiko KASUGA
Date:	December 20, 2002	(Signature of Inventor) Kazuo TACHIWANA
		(Signature of Inventor) Kazuo TACHIWANA
Date:	December 20, 2002	(Signature of Inventor) Hiroaki VANA (ITA)
		(Signature of Inventor) Hiroaki YANA GITA
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

10/01

**RECORDED: 01/27/2003** 

PATENT REEL: 013697 FRAME: 0014