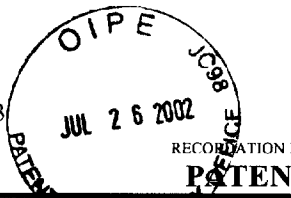


Atty Docket No.: 222706US3

FORM PTO-1595
1-31-92



08-02-2002



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Keisuke YOSHIKUNI; Youji TOUMA and Yoshinori IGUCHI

07-26-02

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: HOYA CORPORATION

Address: 7-5, Naka-Ochiai 2-chome,
Shinjuku-ku, Tokyo
161-8525 JAPAN

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
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Execution Date: June 12, 2002

Additional name(s) and address(es) attached? Yes No

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)

10/134,631

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:



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6. Total applications and patents involved: 1

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PATENT
REEL: 013133 FRAME: 0417

Assignment of Application

WHEREAS, I (WE) Keisuke YOSHIKUNI of 6-7-3 Yokoyama, Sagami-hara-shi, Kanagawa 229-1122 Japan,
Youji TOUMA of 1-22-7 Saiwaityou, Higashikurume-shi, Tokyo 203-0052 Japan and
Yoshinori IGUCHI of 404 Phenix Haijima, 1662 Kumagawa, Fussa-shi, Tokyo
197-0003 Japan

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS

_____, respectively,

INSERT TITLE
OF INVENTION

have invented certain new and useful improvements in: METHOD OF MANUFACTURING GLASS GOBS,
GLASS GOB MOLDING DEVICE, METHOD OF MANUFACTURING MOLDED GLASS ARTICLES, AND
METHOD OF MANUFACTURING OPTICAL ELEMENTS

INSERT DATE IN-
VENTORS SIGNED
DECLARATION

for which an application for Letters Patent was executed on _____

(Application No. 10/134,631, filed April 30, 2002), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER 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: June 12, 2002 Keisuke YOSHIKUNI
 (Signature of Inventor) Keisuke YOSHIKUNI

Date: June 12, 2002 Youji TOUMA
 (Signature of Inventor) Youji TOUMA

Date: June 12, 2002 Yoshinori Iguchi
 (Signature of Inventor) Yoshinori IGUCHI

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