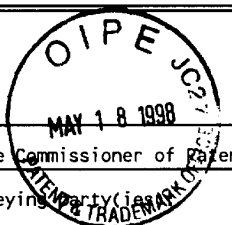


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U.S DEPARTMENT OF COMMERCE
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1. Name of conveying party(ies)
Kunio TAKEUCHI and Teruki KITAYAMAAdditional name(s) of conveying party(ies) attached?
☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 18, 1998

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

Name: HOYA CORPORATION

Street Address:
7-5, Naka-Ochiai 2-chome,City State Zip
Shinjuku-ku, Tokyo, JapanAdditional name(s) & 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)

08/997,890

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

05/21/1998 STH:RNTD 00000054 08997890
01 FT:306
Alan J. Kasper, Esq.
SHRUE, MION, ZINN, MACPEAK & ASSOCIATES, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00
☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

8. Deposit Account No.

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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.

Name Alan J. Kasper

Reg. No. 25,426

May 18, 1998

Date

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Assignment

Whereas, ~~#~~We, KUNIO TAKEUCHI and TERUKI KITAYAMA of
Hachioji-shi, Tokyo, Japan and Ome-shi, Tokyo, Japan, respectively,

hereinafter called assignor(s), have invented certain improvements in
GLASS SUBSTRATE FOR INFORMATION RECORDING MEDIUM AND
MAGNETIC RECORDING MEDIUM HAVING THE SUBSTRATE

and executed an application for Letters Patent of the United States of America therefor on
February 18, 1998 ; and

Whereas, HOYA CORPORATION
7-5, Naka-Ochiai 2-chome, Shinjuku-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

~~#~~We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
~~#~~we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and ~~#~~we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

~~#~~We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number 08/997,890, filed December 24, 1997) the filing date and application
number of said application when known.

Date: Feb. 18, 1998 s/ Kunio Takeuchi
KUNIO TAKEUCHI

Date: Feb. 18, 1998 s/ Teruki Kitayama
TERUKI KITAYAMA

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)