

## PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Naoki YAMAGATA	07/11/2012
Satoshi INOUE	07/12/2012
Shuichi TAKEUCHI	07/12/2012
RECEIVING PARTY DATA	
Name:	HOYA CORPORATION
Street Address:	2-7-5 Naka-Ochiai, Shinjuku-ku
City:	Tokyo
State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13547342
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Total Attachments: 4 source=P42359_Assignment#page1.tif source=P42359_Assignment#page2.tif source=P42359_Assignment#page3.tif source=P42359_Assignment#page4.tif	

OP \$40.00 13547342

ASSIGNMENT

WHEREAS, **Naoki YAMAGATA**, a citizen of Japan, whose post office address is c/o HOYA CORPORATION, 2-7-5 Naka-Ochiai, Shinjuku-ku, Tokyo 161-8525, Japan, **Satoshi INOUE**, a citizen of Japan, whose post office address is c/o HOYA CORPORATION, 2-7-5 Naka-Ochiai, Shinjuku-ku, Tokyo 161-8525, Japan, **Shuichi TAKEUCHI**, a citizen of Japan, whose post office address is c/o HOYA CORPORATION, 2-7-5 Naka-Ochiai, Shinjuku-ku, Tokyo 161-8525, Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**OPTICAL INFORMATION RECORDING/REPRODUCING APPARATUS AND  
OBJECTIVE OPTICAL SYSTEM FOR THE SAME**

for which they have jointly executed, on the same date as this assignment, an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. 07055 including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, **HOYA CORPORATION**, a corporation organized and existing under the laws of Japan, whose post-office address is 2-7-5 Naka-Ochiai, Shinjuku-ku, Tokyo 161-8525, Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues,

reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

First Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)

Naoki YAMAGATA  
Naoki YAMAGATA

2012. 7. 11  
Date

Second Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)

First Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)

Satoshi INOUE  
Satoshi INOUE

Jul / 12 / 2012  
Date

Second Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)

First Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)

Shuichi TAKEUCHI  
Shuichi TAKEUCHI

July, 12, 2012  
Date

Second Witness:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Date)