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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Shoichi KISHIMOTO, Akihiro KOYAMA, Junji KURACHI and  
Nobuyuki YAMAMOTO

Additional name(s) of conveying party(ies) attached?

☐ yes ☒ no

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

Name:

NIPPON SHEET GLASS CO., LTD.

Internal Address:

5-11, Dosho-machi 3-chome, Chuo-ku, Osaka-shi, Osaka, Japan

Street Address:

Same as above

City

State

Zip

Additional name(s) &amp; address(es) attached?

☐ yes ☒ no

## 3. Nature of Conveyance:

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

Execution Date: November 30, 1999

## 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)

09/401,126

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE, MION, ZINN, MACPEAK & SIAS  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3202

## 6. Total number of applications and patents involved:

One (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.

(Attach dupl. copy of this page if paying by Deposit Account)

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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.John Callahan Reg. No. 32,607  
Name Mark Boland Reg. No. 32,197

December 13, 1999

Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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Mail documents to be recorded with required cover sheet information to:

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Box Assignments

Washington, D.C. 20231

PATENT  
REEL: 010430 FRAME: 0709

# Assignment

Whereas, I/We, Shoichi KISHIMOTO, Akihiro KOYAMA, ~~xx~~  
 Jurji KURACHI and Nobuyuki YAMAMOTO, all of Osaka, Japan

hereinafter called assignor(s), have invented certain improvements in

GLASS COMPOSITION, PROCESS FOR PRODUCING THE SAME, AND INFORMATION RECORDING MEDIUM  
 SUBSTRATE, INFORMATION RECORDING MEDIUM, AND INFORMATION RECORDING DEVICE EACH COMPRISING  
 THE COMPOSITION  
 and executed an application for Letters Patent of the United States of America therefor on  
 November 30, 1999; and

Whereas, NIPPON SHEET GLASS CO., LTD. of  
 5-11, Dosho-machi 3-chome, Chuo-ku, Osaka-shi,  
 Osaka, 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,

I/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  
 I/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 I/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.

I/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 09/401,126, filed September 22, 1999) the filing date and application  
 number of said application when known.

Date: November 30, 1999 s/ Shoichi Kishimoto

Date: November 30, 1999 s/ Akihiro Koyama

Date: November 30, 1999 s/ Jurji Kurachi

Date: November 30, 1999 s/ Nobuyuki Yamamoto

Date:                      s/                     

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