

FORM PTO-1595
(Rev. 6-93)
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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ics):</p> <p>Junji KURACHI Akihiro KOYAMA</p> <p>Additional name(s) of conveying party(ics) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ics):</p> <p>NIPPON SHEET GLASS COMPANY, LIMITED 1-7, Kaigan 2-chome Minato-ku, Tokyo 105-8552 Japan & HOYA CORPORATION 7-5, Nakaochiai 2-chome Shinjuku-ku, Tokyo 161-8525 Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
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Execution Date: July 7, 2004

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)
10/860,713	

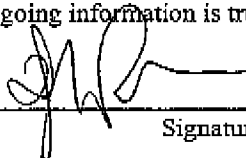
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Douglas P. Mueller Address: Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725</p>
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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.

<p>Douglas P. Mueller (30,300)</p> <p>Name of Person Signing</p>	 <p>Signature</p>	<p>March 28, 2005</p> <p>Date</p>
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I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on
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By: Melie Cauffman
Name: Melie Cauffman

CFR \$40.00 132725 10860713

INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

1. Junji KURACHI residing at c/o NIPPON SHEET GLASS COMPANY, LIMITED, 1-7, Kaigan 2-chome, Minato-ku, Tokyo 105-8552 Japan and a citizen of Japan;
2. Akihiro KOYAMA residing at c/o NIPPON SHEET GLASS COMPANY, LIMITED, 1-7, Kaigan 2-chome, Minato-ku, Tokyo 105-8552 Japan and a citizen of Japan;

Date Patent Declaration
Signed and Title Serial
No. and filing date (if
known)

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on _____ for this invention, which application is entitled

GLASS COMPOSITION INCLUDING ZIRCONIUM, CHEMICALLY STRENGTHENED GLASS ARTICLE, GLASS SUBSTRATE FOR MAGNETIC RECORDING MEDIA, AND METHOD OF PRODUCING GLASS SHEET

and which has been given Serial Number 10/860,713 and the filing date of June 3, 2004;

Name of Corporation

AND WHEREAS NIPPON SHEET GLASS COMPANY, LIMITED and HOYA CORPORATION (herein called "ASSIGNEES"), corporations organized under the laws of Japan, and having offices and place of business at 1-7, Kaigan 2-chome, Minato-ku, Tokyo 105-8552 Japan and 7-5, Nakaochiai 2-chome, Shinjuku-ku, Tokyo 161-8525 Japan, respectively,

State or Country of
Incorporation and Address

wish to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement

affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

Junji Kurachi
Signature

July 26, 2004
Date

Shigeru Hayama
Signature

July 26, 2004
Date

Serial No. 10/860,713

Filed June 3, 2004

No further documentation is needed.