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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Kazuto KOKURYO (July 24, 2003) Nippon Sheet Glass Co., Ltd. Shinji NAGAO (July 30, 2003) 7-28, Kitahama 4-chome, Chuo-ku Osaka-shi, Osaka 541-8559 Japan Additional name(s) of conveying party(ies) attached?

Yes

No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: See Above 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: B. Patent No.(s) A. Patent Application No.(s) 10/412,738 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Douglas P. Mueller Enclosed Name: Merchant & Gould P.C. Authorized to be charged to deposit account Address: P. O. Box 2903 8. Please charge any additional fees or credit any Minneapolis, MN 55402 overpayments to our Deposit account number: 13-2725 DO NOT USE THIS SPACE 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. August 1, 2003 Douglas P. Mueller Date Signature Name of Person Signing Total number of pages including attachments and document: 2 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks 00000094 10412738 08/05/2003 DBYRNE **Mail Stop Assignments** P. O. Box 1450 Alexandria VA 22313-1450 40.00 DP 01 FC:8021 **CERTIFICATE UNDER 37 CFR 1.8:** I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner of Patents and Trademarks, Mail Stop Assignments, P. O. Box 1450, Alexandria, VA 22313-1450 on August 1, 2003 Name Peggy Kerkhove

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INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS.

Inventor(s) Name,
Address.	Citizenship

1. Kazuto KOKURYO residing at c/o ZENIC Inc., Design Center, 17-14, Ohgaya 1-chome, Otsu-shi, Shiga 520-2144 and a citizen of Japan;

2. Shinji NAGAO residing at c/o ZENIC Inc., Design Center, 17-14, Ohgaya 1chome, Otsu-shi, Shiga 520-2144 and a citizen of Japan;

3. ___ residing at ___ and a citizen of ___;

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 this invention, which application is entitled SIGNAL PROCESSING METHOD AND DEVICE and which has been given Serial Number 10/412,738 and the filing date of April 11, 2003;

Name of Corporation

AND WHEREAS Nippon Sheet Glass Co., Ltd. (herein called "ASSIGNEE"), a corporation organized under the laws of Japan, and having an office and place of business at 7-28, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-8559 Japan

State or Country of Incorporation and Address wishes 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

RECORDED: 08/04/2003

witness required

Signature

Shinji Nagae

Shoping Date

July 30, 2003

Date

PATENT REEL: 014340 FRAME: 0135