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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereor. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Yasuo KITAOKA September 8, 2004 Hisashi MINEMOTO 1006, Oaza Kadoma, Kadoma-shi September 8, 2004 September 8, 2004 Osaka 571-8501, Japan Isao KIDOGUCHI September 13, 2004 Takatomo SASAKI September 9, 2004 Yusuke MORI Yusuke MORI Fumio KAWAMURA September 9, 2004 8-16-9, Kisaichi, Katano-shi Masanori MORISHITA September 13, 2004 Osaka 576-0033, Japan Nature of conveyance: Assignment Merger Change of Name Security Agreement 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: Unknown A. Patent Application No.(s) B. Patent No.(s) 10/884,386 Additional numbers attached? 

Yes 

No 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): Enclosed Authoriza Douglas P. Mueller Name: Merchant & Gould P.C. Address: Authorized to be charged to deposit account P.O. Box 2903 Minneapolis, MN 55402-0903 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725 DO NOT USE THIS SPACE 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. Douglas P. Mueller (30,300) October 29, 2004 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director - U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503. Reduction Project (0651-0011), Washington, 11/02/2004 EDBOPER 00000159 10884386 01 FC:8021 40.00 DP PATENT TRADEMARK OFFICE

> PATENT REEL: 015938 FRAME: 0619

## INSTRUCTIONS

## ASSIGNMENT OF U.S. RIGHTS

## WHEREAS,

Inventor(s) Name, Address, Citizenship

- 1. Yasuo KITAOKA residing at 3-5-B-604, Higashiooda, Ibaraki-shi, Osaka 567-0012, JAPAN and a citizen of Japan;
- 2. <u>Hisashi MINEMOTO</u> residing at <u>19-3</u>, <u>Nagisasakaemachi, Hirakata-shi, Osaka 573-1172</u>, <u>JAPAN</u> and a citizen of <u>Japan</u>;
- 3. <u>Isao KIDOGUCHI</u> residing at <u>4-6-40</u>, <u>Midoridai</u>, <u>Kawanishi-shi</u>, <u>Hyogo 666-0129</u>, <u>JAPAN</u> and a citizen of <u>Japan</u>;
- 4. <u>Takatomo SASAKI</u> residing at 2-8-A9-310, <u>Yamadanishi</u>, <u>Suita-shi</u>, <u>Osaka 565-0824</u>, <u>JAPAN</u> and a citizen of <u>Japan</u>;
- 5. Yusuke MORI residing at 8-16-9, Kisaichi, Katano-shi, Osaka 576-0033, JAPAN and a citizen of Japan;
- 6. <u>Fumio KAWAMURA</u> residing at 5-15-4-104, <u>Aomatanihigashi</u>, <u>Minoh-shi</u>, <u>Osaka 562-0022</u>, <u>JAPAN</u> and a citizen of <u>Japan</u>;
- 7. Masanori MORISHITA residing at 2-8-28-104, Mitsukeyama, Ibaraki-shi, Osaka 567-0035, 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 METHOD OF MANUFACTURING GaN CRYSTALS AND GaN CRYSTAL SUBSTRATE, GaN CRYSTALS AND GaN CRYSTAL SUBSTRATE OBTAINED BY THE METHOD, AND SEMICONDUCTOR DEVICE INCLUDING THE SAME

and which has been given Serial Number  $\underline{10/884,386}$  and the filing date of  $\underline{\text{July}}$   $\underline{2,2004}$ ;

Name of Corporation

AND WHEREAS Matsushita Electric Industrial Co., Ltd. (herein called "ASSIGNEE"), a corporation organized under the laws of Japan, and having an office and place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JAPAN and Yusuke MORI (herein called "ASSIGNEE"), having an address of 8-16-9, Kisaichi, Katano-shi, Osaka 576-0033, 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.

PATENT REEL: 015938 FRAME: 0620 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

Yasuo Htaoka	September 8. 2004
Signature  Misashi Minemolo  Signature	Date September 8, 2004. Date
Signature	Date
Asao Kodoguchi	September 8, 2004 Date
Signature Talatono Sasadi	Date Sept. 13, 2009 Date
Signature  Justine Mori  Signature  Signature	Date September 9. 2004  Date
Signature Humio Kawamura	Date September 9. 2004
Signature Rumio Kawamura!  Signature Masunoi Morishita	Date September 9. 2004  Date September (3, 200)
Signature	Date

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