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(REV. 03/01)
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Yasuhito URASHIMA
Mineo OKUYAMA
Tetsuo SAKURAI
Hisayuki MIKI

4-17-02

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
SHOWA DENKO K.K.
13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518,
JAPAN

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: April 2, 2002

4. Application number(s) or patent number(s):
10110692
If this document is being filed together with a new application, the execution date of the application is: April 2, 2002
A. Patent Application No.(s)
B. Patent No.(s)

Additional numbers attached? Yes No

6. Total number of applications and patents involved:
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.
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8. Deposit account number:
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5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

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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.

Abraham J. Rosner Reg. No. 33,276 April 17, 2002 Date

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ASSIGNMENT

Whereas, I/we 1. Yasuhito URASHIMA, 2. Mineo OKUYAMA, 3. Tetsuo SAKURAI and 4. Hisayuki MIKI

1,2 and 3 of c/o Showa Denko K.K., Central Research Laboratory
1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056, JAPAN

4. of c/o Showa Denko K.K., Central Research Laboratory, Chichibu Research Laboratory
1505 Shimokagemori, Chichibu-shi, Saitama 369-1871, JAPAN

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

METHOD OF FABRICATING GROUP-III NITRIDE SEMICONDUCTOR CRYSTAL, METHOD OF FABRICATING GALLIUM NITRIDE-BASED COMPOUND SEMICONDUCTOR, GALLIUM NITRIDE-BASED COMPOUND SEMICONDUCTOR, GALLIUM NITRIDE-BASED COMPOUND SEMICONDUCTOR LIGHT-EMITTING DEVICE, AND LIGHT SOURCE USING THE SEMICONDUCTOR LIGHT-EMITTING DEVICE

and executed an application for Letters Patent of the United States of America therefor on

April 2, 2002; and

Whereas, SHOWA DENKO K.K.
of 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, 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 Director - U.S. Patent and Trademark Office 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/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: April 2, 2002 s/ Yasuhito Urashima
Yasuhito URASHIMA

Date: April 2, 2002 s/ Mineo Okuyama
Mineo OKUYAMA

Date: April 2, 2002 s/ Tetsuo Sakurai
Tetsuo SAKURAI

Date: April 2, 2002 s/ Hisayuki Miki
Hisayuki MIKI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 252) **PATENT**

RECORDED: 04/17/2002

REEL: 013039 FRAME: 0218