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Takashi UDAGAWA

1-2903

2. Name and address of receiving party(ies):

Showa Denko Kabushiki Kaisha  
13-9, Shiba Daimon 1-chome  
Minato-ku, Tokyo 105-8518 JAPAN11046 U.S. PTO  
10/353006  
01/29/03Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Execution Date: January 22, 2003

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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: January 22, 2003

A. Patent Application No.(s)  
Not Yet Assigned

10353006

B. Patent No.(s)  
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5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed.  
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*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.*

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January 29, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 2

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Box Assignment

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02/06/2003 DBYRNE 00000074 10353006

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**PATENT  
REEL: 013723 FRAME: 0528**

# ASSIGNMENT

Whereas, I, Takashi UDAGAWA of Saitama, JAPAN

hereinafter called assignor, have invented certain improvements in

**BORON PHOSPHIDE-BASED SEMICONDUCTOR LIGHT-EMITTING DEVICE, PRODUCTION  
METHOD THEREOF, AND LIGHT-EMITTING DIODE**

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

2003; and

Whereas, Showa Denko Kabushiki Kaisha  
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, the above named assignor, 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 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 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 hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_ filed \_\_\_\_\_ ) the filing date and application number of said application when known.

Date: Jan. 22, 2003

by Takashi Udagawa  
Takashi UDAGAWA