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1. Name of conveying party(ies):
Hiriohiko OHTSUBO and Tetsuro SAKURAI

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 Names
 Other

Execution Date: September 27, 2000 and September 28, 2000

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: September 27, 2000 and September 28, 2000
A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration 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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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.

Waddell A. Biggart Reg. No. 24,861 October 2, 2000
Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner of Patents
Box Assignments
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11/07/2000 MTHAI1 00000363 09676094
01 F0:581 40.00 00

ASSIGNMENT

Whereas, we, Hirohiko OHTSUBO of Nagano, JAPAN, and
Tetsuro SAKURAI of Chiba, JAPAN

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

METHOD FOR GROWING DIAMOND AND CUBIC BORON NITRIDE CRYSTALS

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

2000; 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,

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 we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and 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.

We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, 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: 9/27/2000 s/ Hirohiko Ohtsubo
Hirohiko OHTSUBO

Date: 9/28/2000 s/ Tetsuro Sakurai
Tetsuro SAKURAI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)