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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):

Kenya ITANI
Masaya OHNISHI
Shinji KOMATA
Seiji MIZUNIWA

3.24.03

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

HITACHI CABLE, LTD.
6-1 Ohtemachi 1-chome,
Chiyoda-ku,
Tokyo,
Japan

JC971 U.S. PTO
10/393984



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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: March 17, 2003

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

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: March 17, 2003

10393984

A. Patent Application No.(s)
Not yet assigned

B. Patent No.(s)
Not yet assigned

Additional numbers attached? Yes No

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

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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.

Peter D. Olexy / Reg. No. 33,725
Peter D. Olexy

Reg. No. 24,513

March 24, 2003

Date

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

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PATENT
REEL: 013896 FRAME: 0601

Assignment

Whereas, I/We, Kenya ITANI, Masaya OHNISHI, Shinji KOMATA, and Seiji MIZUNIWA all of c/o HITACHI CABLE, LTD. of 6-1 Ohtemachi 1-chome, Chiyoda-ku, Tokyo, Japan

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

P-TYPE GaAs SINGLE CRYSTAL AND ITS PRODUCTION METHOD

and executed an application for Letters Patent of the United States of America therefor on March 17, 2003; and

Whereas, HITACHI CABLE, LTD.
6-1 Ohtemachi 1-chome
Chiyoda-ku, Tokyo, 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 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: 03/17/03 Kenya Itani
s/ Kenya ITANI

Date: 03/17/03 Masaya Ohnishi
s/ Masaya OHNISHI

Date: 03/17/03 Shinji Komata
s/ Shinji KOMATA

Date: 03/17/03 Seiji Mizuniwa
s/ Seiji MIZUNIWA

Date: _____
s/

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