

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Makoto Kasu</td> <td>06/13/2007</td> </tr> <tr> <td>Toshiki Makimoto</td> <td>06/13/2007</td> </tr> <tr> <td>Kenji Ueda</td> <td>06/13/2007</td> </tr> <tr> <td>Yoshiharu Yamauchi</td> <td>06/13/2007</td> </tr> </tbody> </table>		Name	Execution Date	Makoto Kasu	06/13/2007	Toshiki Makimoto	06/13/2007	Kenji Ueda	06/13/2007	Yoshiharu Yamauchi	06/13/2007		
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Nippon Telegraph and Telephone Corporation</td> </tr> <tr> <td>Street Address:</td> <td>3-1, Otemachi 2-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8116</td> </tr> </table>		Name:	Nippon Telegraph and Telephone Corporation	Street Address:	3-1, Otemachi 2-chome	Internal Address:	Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8116
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CORRESPONDENCE DATA													
<p>Fax Number: (801)328-1707 Phone: 801-533-9800 Email: jbbroadbent@wnlaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Scott Woodbury Address Line 1: 60 E. South Temple Address Line 2: 1000 Eagle Gate Tower Address Line 4: SALT LAKE CITY, UTAH 84111</p>													
ATTORNEY DOCKET NUMBER:	14321.94.2												
NAME OF SUBMITTER:	Scott A. Woodbury												

OP \$40.00 12023660

Total Attachments: 4

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WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No:

14321.94

Workman Nydegger
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Form P4

ASSIGNMENT

We the under signed, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled **DIAMOND SEMICONDUCTOR ELEMENT AND PROCESS FOR PRODUCING THE SAME** Preferred embodiments of said invention are disclosed in a United States patent application which:

- ☐ [] is executed concurrently herewith for filing in the United States Patent and Trademark Office.
- ☒ [X] was previously filed in the United States Patent and Trademark Office on April 20, 2007, Application Serial No. 11/577,678.
- ☒ [X] is a United States National Application of PCT International Application No. PCT/JP2006/312334, filed June 20, 2006.

The Assignees, Nippon Telegraph and Telephone Corporation, having a principal place of business at 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8116, Japan desire to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above identified United States patent application and in all divisions, continuations and continuations in part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States and foreign countries.

The right to claim the benefits of any prior related United States or foreign patent applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks, to issue any and all patents on said application to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said application.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Full name of sole or first inventor

<u>Makoto</u> (GIVEN NAME)	<u></u> (MIDDLE INITIAL OR NAME)	<u>KASU</u> FAMILY (OR LAST NAME)
Inventor's signature <u><i>M. Kasu</i></u>		
Date <u>June 13, 2007</u>	Country of Citizenship <u>Japan</u>	
Address <u>Atsugi-shi, Kanagawa-ken, Japan</u>		

Full name of second inventor, if any

<u>Toshiki</u> (GIVEN NAME)	<u></u> (MIDDLE INITIAL OR NAME)	<u>MAKIMOTO</u> FAMILY (OR LAST NAME)
Inventor's signature <u><i>T. Makimoto</i></u>		
Date <u>June 13, 2007</u>	Country of Citizenship <u>Japan</u>	
Address <u>Atsugi-shi, Kanagawa-ken, Japan</u>		

Full name of third inventor, if any

Kenji	UEDA
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>
<small>FAMILY (OR LAST NAME)</small>	

Inventor's signature Kenji Ueda

Date June 13, 2007 Country of Citizenship Japan

Address Atsugi-shi, Kanagawa-ken, Japan

Full name of fourth inventor, if any

Yoshiharu	YAMAUCHI
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>
<small>FAMILY (OR LAST NAME)</small>	

Inventor's signature _____

Date _____ Country of Citizenship Japan

Address Kunitachi-shi, Tokyo, Japan

Full name of third inventor, if any

Kenji UEDA
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature _____

Date _____ Country of Citizenship Japan

Address Atsugi-shi, Kanagawa-ken, Japan

Full name of fourth inventor, if any

Yoshiharu YAMAUCHI
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature Yoshiharu Yamanehi

Date June 13, 2007 Country of Citizenship Japan

Address Kunitachi-shi, Tokyo, Japan