

PATENT ASSIGNMENT

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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>Toshiki FURUTANI</td> <td>02/14/2012</td> </tr> <tr> <td>Daiki KOMATSU</td> <td>03/21/2012</td> </tr> <tr> <td>Masatoshi KUNIEDA</td> <td>03/01/2012</td> </tr> <tr> <td>Naomi FUJITA</td> <td>02/14/2012</td> </tr> <tr> <td>Nobuya TAKAHASHI</td> <td>03/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toshiki FURUTANI	02/14/2012	Daiki KOMATSU	03/21/2012	Masatoshi KUNIEDA	03/01/2012	Naomi FUJITA	02/14/2012	Nobuya TAKAHASHI	03/21/2012
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<table border="1"> <tr> <td>Name:</td> <td>IBIDEN CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1, Kandacho 2-chome</td> </tr> <tr> <td>City:</td> <td>Ogaki-shi, Gifu</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>503-0917</td> </tr> </table>		Name:	IBIDEN CO., LTD.	Street Address:	1, Kandacho 2-chome	City:	Ogaki-shi, Gifu	State/Country:	JAPAN	Postal Code:	503-0917		
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CORRESPONDENCE DATA													
<p>Fax Number: (703)413-2220</p> <p>Phone: (703) 413-3000</p> <p>Email: mkassaye@oblon.com</p> <p><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: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	386365US53												
NAME OF SUBMITTER:	Mesfin Kassaye												
<p>Total Attachments: 2</p> <p>source=386365US53ASSIGNMENT#page1.tif</p> <p>source=386365US53ASSIGNMENT#page2.tif</p>													

OP \$40.00 13249838

386365US53

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS.

WHEREAS, I (WE) Toshiki FURUTANIDaiki KOMATSUMasatoshi KUNIEDANaomi FUJITANobuya TAKAHASHI all of Ogaki-shi, Gifu, Japan

, respectively,

INSERT TITLE OF
INVENTION

have invented certain new and useful improvements in: SUBSTRATE FOR MOUNTING SEMICONDUCTOR,
SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE

(Application No. 13/249,838, filed September 30, 2011), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, Ibiden Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1, Kandacho 2-chome, Ogaki-shi, Gifu 503-0917 Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

07/09

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 2/14/2012

Toshiki Furutani
(Signature of Inventor) Toshiki FURUTANI

小松田

Date: 3/1/2012

Daiki Komatsu
(Signature of Inventor) Daiki KOMATSU

小松田

Date: 3/1/2012

Masatoshi Kunieda
(Signature of Inventor) Masatoshi KUNIEDA

小松田

Date: 2/14/2012

Naomi FUJITA
(Signature of Inventor) Naomi FUJITA

小松田

Date: 3/21/2012

Nobuya Takatashi
(Signature of Inventor) Nobuya TAKAHASHI

小松田

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

07/09