

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>Takahiko IDO</td><td>11/05/2008</td></tr><tr><td>Chizuru KASAI</td><td>11/05/2008</td></tr></tbody></table>	Name	Execution Date	Takahiko IDO	11/05/2008	Chizuru KASAI	11/05/2008	
Name	Execution Date						
Takahiko IDO	11/05/2008						
Chizuru KASAI	11/05/2008						
RECEIVING PARTY DATA							
Name:	IBIDEN CO., LTD.						
Street Address:	1, Kandacho 2-Chome, Ogaki-Shi						
City:	Gifu						
State/Country:	JAPAN						
Postal Code:	503-8604						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12239342</td></tr></tbody></table>	Property Type	Number	Application Number:	12239342			
Property Type	Number						
Application Number:	12239342						
CORRESPONDENCE DATA							
Fax Number:	(703)519-9958						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	703-519-9953						
Email:	jmori@dcpatent.com						
Correspondent Name:	Masayasu Mori						
Address Line 1:	918 PRINCE STREET						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	01098_1122						
NAME OF SUBMITTER:	Masayasu Mori						
Total Attachments: 2 source=01098_1122_Assignment#page1.tif source=01098_1122_Assignment#page2.tif							

OP \$40.00 12239342

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PATENT
REEL: 021875 FRAME: 0443

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I/we the undersigned, (1) TAKAHIKO IDO residing at Ibi-Gun, Gifu, Japan and (2) CHIZURU KASAI residing at Ibi-Gun, Gifu, Japan, hereby sell, assign, and transfer to IBIDEN CO., LTD., a corporation of Japan, having a principal place of business at 1. Kandacho 2-Chome, Ogaki-Shi, Gifu 503-8604 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

HONEYCOMB STRUCTURE

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- ☐ which has been executed by the undersigned concurrently herewith,
☒ which was filed on September 26, 2008 and assigned Serial No. 12/239,342

and in to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

November 5, 2008
Date

Takahiko Ido
Name: TAKAHIKO IDO

November 5, 2008
Date

Chizuru Kasai
Name: CHIZURU KASAI