

01-10-2006



U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 07043.0042  
Attorney Customer Number: 22,852

To the Director of the U.S. Patents and Trademark

103155723

1 documents or copy thereof.

12-30-05

1. **Name of conveying party(ies):**  
1) Kazushige OHNO  
2) Masafumi KUNIEDA  
3) Kazutake OGYU  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: IBIDEN CO., LTD.

Internal Address:  
Street Address: 1, Kandacho 2-chome, Ogaki-Shi, Gifu  
503-8604 Japan

3. **Nature of conveyance/Execution Date(s):**  
Execution Dates December 20, 2005  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

City:  
State: Zip Code:

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

113243 U.S. PTO  
11/320958  
123005

4. **Application number(s) or patent number(s):**  
A. Patent Application Number(s):  
Additional numbers attached?  Yes  No

This document is being filed together with a new application.  
B. Patent Number(s):  
 Yes  No

5. **Name and address of to whom correspondence concerning document should be mailed:**  
Name: Mr. Ernest F. Chapman  
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.  
Street Address: 901 New York Avenue, NW  
City: Washington, D.C.  
State: Zip: 20001-4413

6. **Total number of applications and registrations involved:**  
1

7. **Total fee (37 CFR 3.41): \$40**  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed (Please charge deficiency to deposit account)  
 None required (government interest not affecting title)

01/04/2006 MAHMEI 00000029 11320958  
04 FC:8021 (40.00 DP)

8. **Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account No.: 06-0916  
Authorized User Name \_\_\_\_\_

8. **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.  
David W. Hill  
Reg. No. 28,220  
  
Signature **ERNEST F. CHAPMAN** Date December 30, 2005

Total number of pages including cover sheet, attachments and documents: 3

Attorney Docket No.: \_\_\_\_\_.

JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

HONEYCOMB STRUCTURE

for which we executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on (Application No. \_\_\_\_\_); and

WHEREAS, IBIDEN CO., LTD., a corporation of Japan a corporation of Japan, whose post office address is 1, Kandacho 2-Chome, Ogaki-Shi, Gifu 503-8604 Japan (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Kazushige Ohno  
c/o IBIDEN CO., LTD.,  
Ogakikita Kojo, 1-1, Kitagata, Ibigawa-Cho, Ibi-Gun, Gifu  
501-0695 Japan

Citizenship: Japan

Signature: Kazushige OHNO

Date: December 20, 2005

**Second Assignor**

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Signature: Masafumi kunieda

Date: December 20, 2005

**Third Assignor**

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Citizenship: Japan

Signature: Kazutake Ogyu

Date: December 20, 2005