

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kazushige OHNO</td> <td>12/20/2007</td> </tr> <tr> <td>Takahiko IDO</td> <td>12/20/2007</td> </tr> <tr> <td>Yoshihiro KOGA</td> <td>12/20/2007</td> </tr> <tr> <td>Yuji AKEMA</td> <td>12/20/2007</td> </tr> </tbody> </table>		Name	Execution Date	Kazushige OHNO	12/20/2007	Takahiko IDO	12/20/2007	Yoshihiro KOGA	12/20/2007	Yuji AKEMA	12/20/2007
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Yuji AKEMA	12/20/2007										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	IBIDEN CO., LTD.										
<b>Street Address:</b>	1, Kandacho 2-Chome, Ogaki-Shi										
<b>City:</b>	Gifu										
<b>State/Country:</b>	JAPAN										
<b>Postal Code:</b>	503-8604										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11928546</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11928546						
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Application Number:	11928546										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(703)519-9958										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	703-519-9953										
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<b>Correspondent Name:</b>	Masayasu Mori										
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<b>Address Line 4:</b>	Alexandria, VIRGINIA 22314										
<b>ATTORNEY DOCKET NUMBER:</b>	01098_1060										
<b>NAME OF SUBMITTER:</b>	Masayasu Mori										
<b>Total Attachments: 2</b> source=01098_1060_Assignment#page1.tif											

**OP \$40.00 11928546**



**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I/we the undersigned, (1) KAZUSHIGE OHNO residing at Ibi-Gun, Gifu, Japan. (2) TAKAHIKO IDO residing at Ibi-Gun, Gifu, Japan. (3) YOSHIHIRO KOGA residing at Ibi-Gun, Gifu, Japan and (4) YUJI AKEMA 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:

**MIXED PARTICLES AND HONEYCOMB STRUCTURE  
FOR GAS CONVERSION APPARATUS**

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- which has been executed by the undersigned concurrently herewith,
- which was filed on October 30, 2007 and assigned Serial No. 11/928,546.

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:

December 20, 20 07  
Date

*Kazushige OHNO*

Name: **KAZUSHIGE OHNO**

December 20, 20 07  
Date

*Takahiko Ido*

Name: **TAKAHIKO IDO**

December 20, 20 07  
Date

*Yoshihiro Koga*

Name: **YOSHIHIRO KOGA**

December 20, 20 07  
Date

*Yuji Akema*

Name: **YUJI AKEMA**