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1 original documents or copy thereof.

1. Name of conveying party(ies):

Masaharu ONO  
Koji TAKAHASHI  
Takafumi HOSHINO  
Hideya KAWADA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: IBIDEN CO., LTD.

Address: 1, Kandacho 2-chome, Ogaki-shi, Gifu 503-8604, Japan

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: November 4, 2004

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4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/986,227

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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*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.*

Masayasu Mori  
Name of Person Signing

*Joseph Scafetta, Jr.*  
Signature

APR 29 2005  
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Registration Number: 47,301

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40.00 OF

PATENT  
REEL: 016507 FRAME: 0859

# Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

WHEREAS, I (WE) 1) Masaharu ONO, 2) Koji TAKAHASHI, 3) Takafumi HOSHINO, and 4) Hideya KAWADA all  
of: c/o IBIDEN CO., LTD., Ogakikita Kojo, 1-1, Kitagata, Ibigawacho, Ibi-gun, Gifu 501-0695,  
Japan

, respectively.

INSERT TITLE OF  
INVENTION:

have invented certain new and useful improvements in: CERAMIC STRUCTURE, METHOD OF  
MANUFACTURING CERAMIC STRUCTURE, AND DEVICE FOR MANUFACTURING CERAMIC  
STRUCTURE

INSERT DATE  
INVENTORS SIGNED  
DECLARATION:

For which an application for Letters Patent was executed on \_\_\_\_\_  
 (Application No. 10/986,227, filed November 12, 2004), and

WHEREAS, IBIDEN CO., LTD.

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1, Kandacho 2-chome, Ogaki-shi, Gifu 503-  
8604, 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 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.

10/01

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, P.C. 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: 4 November 2004 Masaharu Ono  
(Signature of Inventor) Masaharu ONO

Date: 4 November 2004 Koji Takahashi  
(Signature of Inventor) Koji TAKAHASHI

Date: 4 November 2004 Takafumi Hoshino  
(Signature of Inventor) Takafumi HOSHINO

Date: 4 November 2004 Hideya Kawada  
(Signature of Inventor) Hideya KAWADA

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
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1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314

10/01

RECORDED: 04/29/2005

**PATENT**  
REEL: 016507 FRAME: 0861