

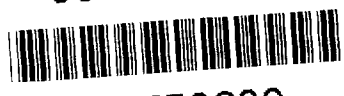
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FORM PTO-1595
P20678.P02

IEET U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
532 Rec'd PCT/PTO 23 APR 2001
attached original documents or copy thereof.

To the Honorable Commis



101750680

1. Name of Conveying party(ies):
Satoru KARIYA
04/23/01
Additional name(s) of conveying party(ies) attached? ___ Yes X No

Name and address of receiving party(ies)
Name: IBIDEN CO., Ltd.
Internal Address: _____
Street Address: 1, Kanda-cho 2-chome Ogaki-shi,
Gifu 503-0917 JAPAN
City: _____ State: _____ ZIP: _____
Additional name(s) and address(es) attached? ___ Yes X No

3. Nature of conveyance:
X Assignment _____ Merger
____ Security Agreement _____ Change of Name
____ Other _____
Execution Date: April 4, 2001

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: April 4, 2001
A. Patent Application No.(s) _____ B. Patent No.(s) _____
Additional numbers attached: ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Bruce H. Bernstein
Internal Address: P20678
04/24/2001 UEDUWIJE 00000145 09807431
03 FC:581 40.00 DP
Street Address: GREENBLUM & BERNSTEIN, P.L.C.
1941 Roland Clarke Place
City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41).....\$ 40.00
X Enclosed
____ Authorized to be charged to deposit account
8. Deposit account number:
19-0089
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.
Bruce H. Bernstein, Reg. No. 29,027 *by Leslie J. Popperme Reg No 33, 329* _____ 4/23/01
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, **Satoru KARIYA**, a citizen of Japan, whose post office address is c/o IBIDEN Co., Ltd., 1-1 Kitakata Ibigawa-cho, Ibi-gun, Gifu 501-0601, hereinafter referred to as the ASSIGNOR, has invented a certain improvement relating to

CERAMIC HEATER

for which he has executed an application for Letters Patent for the United States in the United States Patent and Trademark Office, which is a National Stage application of PCT/JP/06109.

AND WHEREAS, **Ibiden Co., Ltd.**, a corporation organized and existing under the laws of Japan, whose post-office address is 1, Kanda-cho 2-chome Ogaki-shi, Gifu 503-0917, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR, on the respective date indicated below.

Witnessed by:

Keizo Sugimoto April 4, 2001
Name Date
Keizo SUGIMOTO

Satoru KARIYA April 4 2001
Satoru KARIYA Date

Takeo Niwa April 4, 2001
Name Date
Takeo NIWA