

FORM PTO-1595  
(Rev. 6-93)  
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**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying parties:

NAOJI KASHIMA, SHIGEO NAGAYA, KUNIHURO SHIMA,  
and HIROFUMI HOSHINO

Additional name(s) & party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 4/24/2008, 5/9/2008,  
5/12/2008

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

Name: CHUBU ELECTRIC POWER CO., INC.

Internal Address: \_\_\_\_\_

Street Address: 1, HIGASHISINCHO,

HIGASHI-KU, NAGOYA, AICHI 461-8680, JAPAN

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

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: \_\_\_\_\_

A. Patent Application No.(s)  
U.S. patent application s/n: 12/101,348  
Filed: April 11, 2008

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Richard S. Roberts

Internal Address: Roberts & Roberts, L.L.P.

Attorneys at Law

Street Address: P.O. Box 484

City: Princeton State: NJ Zip: 08542

6. Total number of applications and patents involved: \_\_\_\_\_

1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

(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.*

Richard S. Roberts

Name of Person Signing



Signature

June 13, 2008

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:  
Box Assignments, Commissioner for Patents, P.O. Box 1450  
Alexandria, VA 22313-1450

**PATENT**

700374800

REEL: 021098 FRAME: 0595

OP \$40.00 12101348

**Additional Assignee:**

TANAKA KIKINZOKU KOGYO K.K.  
7-3, Marunouchi, 2-chome, Chiyoda-ku  
Tokyo 100-6422, JAPAN

TK0714-OP(パナソニック)譲渡証

ASSIGNMENT

WHEREAS the UNDERSIGNED, NAOJI KASHIMA, citizen of JAPAN, whose address is at c/o Chubu Electric Power Co. Inc., Electric Power Research and Development Center, 20-1 Aza Kitasekiyama, Odaka-cho, Midori-ku, Nagoya, Aichi 459-8522, JAPAN; SHIGEO NAGAYA, citizen of JAPAN, whose address is at c/o Chubu Electric Power Co. Inc., Electric Power Research and Development Center, 20-1 Aza Kitasekiyama, Odaka-cho, Midori-ku, Nagoya, Aichi 459-8522, JAPAN; KUNIHIRO SHIMA, citizen of JAPAN, whose address is at c/o Tanaka Kikinzoku Kogyo K.K. Tomioka Plant, 820-1, Ichinomiya Aza-oshidashi, Tomioka-shi, Gunma 370-2452 JAPAN; and HIROFUMI HOSHINO, citizen of JAPAN, whose address is at c/o Tanaka Kikinzoku Kogyo K.K. Tomioka Plant, 820-1, Ichinomiya Aza-oshidashi, Tomioka-shi, Gunma 370-2452 JAPAN; have invented certain new and useful improvements (INVENTION) disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled:

CLAD TEXTURED METAL SUBSTRATE FOR FORMING EPITAXIAL THIN FILM  
THEREON AND METHOD FOR MANUFACTURING THE SAME

Docket No. TAN-145, said APPLICATION which was filed as serial number 12/101,348 on April 11, 2008; and

WHEREAS, CHUBU ELECTRIC POWER CO., INC., a corporation of JAPAN, having an office at 1, HIGASHISINCHO, HIGASHI-KU, NAGOYA, AICHI 461-8680, JAPAN, and TANAKA KIKINZOKU KOGYO K.K., a corporation of JAPAN, having an office at 7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-6422, JAPAN (ASSIGNEES) are desirous of jointly acquiring the entire undivided right, title and interest in and to the INVENTION, in this and any foreign country, and in and to any Letters Patent of the United States or any foreign country which may be granted embracing the INVENTION.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, receipt of which is hereby acknowledged, the UNDERSIGNED by these presents, sells, assigns, and transfers unto ASSIGNEES, their legal representatives, successors, and assigns, the entire undivided right, title and interest for the United States and all foreign countries, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which may have been or may be filed in any foreign country on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any foreign country, which may be granted covering the INVENTION, including any continuations, continuations-in-part, substitutions, divisions, reissues or renewals thereof, said Letters Patent whether of this country or any foreign country to be held and enjoyed by ASSIGNEES for their interests, for their own use and behoof, and for their legal representatives, 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 UNDERSIGNED had this assignment and sale not been made.

I covenant and agree that I will, at any time upon the request and at the expense of said ASSIGNEES, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEES, to enable and assist said ASSIGNEES to (a) obtain Letters Patent, both domestic and foreign, on said invention, (b) establish, maintain and

secure title in said ASSIGNEES, their successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record, and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent based on said application and all said divisions, continuations, continuations-in-part, reissues, renewals and extensions to said ASSIGNEES, their successors and assigns.

I authorize and empower the said ASSIGNEES, their successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for them, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full and legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said ASSIGNEES or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite their name.

DATE 24 April 2008 Naoji Kashima  
NAOJI KASHIMA

Harunobu Hanamoto  
WITNESS Harunobu Hanamoto

DATE 24 April 2008 Shigeo Nagaya  
SHIGEO NAGAYA

Harunobu Hanamoto  
WITNESS Harunobu Hanamoto

DATE 9, May 2008 Kunihiro Shima  
KUNIHIRO SHIMA

WITNESS Takeyuki Sagae  
Takeyuki Sagae

DATE 12. May 2008 Hirofumi Hoshino  
HIROFUMI HOSHINO

WITNESS Takeyuki Sagae  
Takeyuki Sagae