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01-25-2006

Docket No.: PST-18702/36

FORM PTO-1595 (Modified)
(Rev. 03-01)
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P08/REV03

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1. Name of conveying party(ies):

Shujun Zhang
Thomas R. Shrout

Additional names(s) of conveying party(ies) Yes No

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

Name: **The Penn State Research Foundation**

Internal Address: _____

Street Address: **304 Old Main**

City: **University Park** State: **PA** ZIP: **16802**

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

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3. Nature of conveyance:

- Assignment Merger
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Execution Date: **Jan. 17, 2006**

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

If this document is being filed together with a new application, the execution date of the application is: **Jan. 17, 2006**

A. Patent Application No.(s)

B. Patent No.(s)

01/20/2006 HMARZ11 00000039 11333753
05 FC:8021

40.00 DF

Additional numbers attached? Yes No

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

Name: **Martin S. Bancroft**

Internal Address: **Gifford, Krass, Groh, Sprinkle et al**

Street Address: **PO Box 7021**

City: **Troy** State: **MI** ZIP: **48007**

6. Total number of 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.

Martin S. Bancroft

M.S. Bancroft

Jan. 17, 2006

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PATENT

REEL: 017482 FRAME: 0302

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
PST-18702/36

This is an Assignment of the following rights, title and interest: (check all that apply):

- United States of America rights, title and interest in the invention*
- Foreign rights, title and interest in the invention*
- United States Patent Application Serial No.* (being filed herewith)
Date of Execution: _____ *Date of Filing:* _____
- United States Provisional Patent Application Serial No.* 60/630,676
- United States Patent No(s).* _____
- International (PCT) Patent Application Serial No.* _____
- Other (specify)* _____

Title of the Invention

HIGH TEMPERATURE PIEZOELECTRIC MATERIAL

Inventors (assignors)

<i>Name</i>	<i>Address</i>
Shujun Zhang	425 Waupelani Dr., Apt. 202, State College, PA 16801
Thomas R. Shrout	788 Beaver Branch Rd., Pennsylvania Furnace, PA 16865

Assignee

<i>Name</i>	<i>Address</i>
Penn State Research Foundation	304 Old Main University Park, PA 16802

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
PST-18702/36

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

<i>Name</i>	<i>Signature/Date</i>
Shujun Zhang	
Thomas R. Shrout	

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
PST-18702/36

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

Executed this 17th day of January, in the year 2006

at

Shujun Zhang

(Signature of Inventor)

State of PENNSYLVANIA

County of CENTRE



Before me personally appeared Shujun Zhang

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 17th day of JANUARY, in the year 2006

Gerald A. Kellander

(Notary Public)

Executed this 17th day of January, in the year 2006

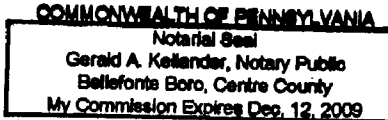
at

Thomas R. Shrout

(Signature of Inventor)

State of PENNSYLVANIA

County of CENTRE



Before me personally appeared Thomas R. Shrout

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 17th day of JANUARY, in the year 2006

Gerald A. Kellander

(Notary Public)

Executed this _____ day of _____, in the year _____

at

(Signature of Inventor)

State of _____

County of _____

Before me personally appeared

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this _____ day of _____, in the year _____

(Notary Public)