

09-29-1998



Docket No:  
0068-0354-0/vjw

100840764

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

9-24-98  
MPO

1. Name of conveying party(ies):  
Toshihiko TANI, Tsuguto TAKEUCHI and  
Yasuyoshi SAITO

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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: August 7, 1998

2. Name and address of receiving party(ies):  
Name:  
KABUSHIKI KAISHA TOYOTA CHUO  
KENKYUSHO

Address:  
41-1, Aza Yokomichi, Oaza Nagakute,  
Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192,  
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: N/A

A. Patent Application No.(s)  
  
09/136,420

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved:  
1

7. Total fee (37 CFR 3.41):.....\$ 40.00  
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8. Deposit account number: 15-0030  
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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.

John K. Pike, Ph.D.  
Registration No. 41,253 [Signature] 9/24/98  
Signature Date

Norman F. Oblon  
Registration No. 24,618

Total number of pages including cover sheet: 3

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40.00 DP  
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PATENT

# Assignment Of Application

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

WHEREAS, I (WE) Toshihiko TANI, Tsuguto TAKEUCHI and  
Yasuyoshi SAITO, c/o KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO  
41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho,  
Aichi-gun, Aichi-ken, 480-1192, Japan

\_\_\_\_\_, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: CRYSTAL-ORIENTED CERAMICS,  
PIEZOELECTRIC CERAMICS USING THE SAME, AND METHODS FOR PRODUCING  
THE SAME

INSERT DATE INVENTORS SIGNED DECLARATION:

for which an application for Letters Patent was executed on August 7, 1998  
 (Application No. 09/136,420, filed August 20, 1998), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:

WHEREAS, KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO  
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 41-1, Aza Yokomichi,  
Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192,  
 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any <sup>Japan</sup> 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.

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: August 7, 1998

Toshihiko TANI *Toshihiko Tani*  
(Signature of Inventor)

Date: August 7, 1998

Tsuguto TAKEUCHI *Tsuguto Takeuchi*  
(Signature of Inventor)

Date: August 7, 1998

Yasuyoshi SAITO *Yasuyoshi Saito*  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202