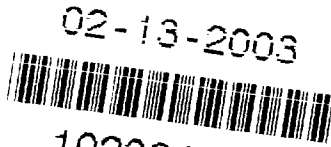


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Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please receive 1 original document(s) or copy thereof.

1. Name of conveying party(ies): 2-7-03
Yicheng Lu
Nuri William Emanetoglu

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

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

Name: Rutgers, The State University of New Jersey

Internal Address: _____

Street Address: ASB III, 3 Rutgers Plaza

City: New Brunswick State: NJ ZIP: 08901

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

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: January 23, 2003

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: _____

A. Patent Application No.(s)
10/266,130

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Rohini K. Garg

Internal Address: Hoffmann & Baron, LLP

Street Address: 6900 Jericho Turnpike

City: Syosset State: NY ZIP: 11791

6. Total number of applications and patents involved: 1

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

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08-2461

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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.

Rohini K. Garg January, 2003

Name of Person Signing Signature Date

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

For: U.S. and/or Foreign Rights
 For: U.S. Application;
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 By: Inventors or Present Owners

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (inventor(s) or person(s) or entity(ies) who own the invention)

Lu, Yicheng
Name

Emanetoglu, Nuri William
Name

50 Jernee Drive
Address

54 N. Woodland Avenue
Address

East Brunswick, NJ 08816-5308

Woodbury, NJ 08096

United States of America
Nationality

United States of America
Nationality

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____

Reel
Frame

hereby sells, assigns and transfers to

ASSIGNEE:

Rutgers, The State University of New Jersey
(Type or print name of ASSIGNEE)

ASB III, 3 Rutgers Plaza
Address

New Brunswick, NJ 08901

USA
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE,

(complete one of the following)

- the entire right, title and interest
 an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

- and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

**TAILORING PIEZOELECTRIC PROPERTIES USING $Mg_xZn_{1-x}O/ZnO$ MATERIALS
AND $Mg_xZn_{1-x}O/ZnO$ STRUCTURES**

and which is found in

(check and complete (a), (b), (c), (d), (e), (f), or (g))

- (a) U.S. patent application executed on even date herewith
(b) U.S. patent application executed on _____
(c) U.S. provisional application naming the above inventor(s) for the above-identified invention.
 Express Mail label No.: _____, mailed:
 To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known
(d) U.S. application Serial No. **10/266,130** filed on **October 7, 2002**
(e) International application No. PCT/_____/_____
(f) U.S. Patent No. _____ issued
 A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof.

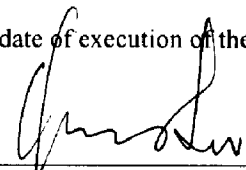
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

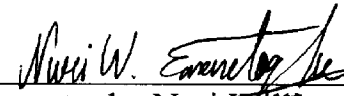
IN WITNESS WHEREOF, I/We have hereunto set hand and seal this

above. **WARNING:** Date of signing must be the **same** as the date of execution of the application if item (a) was checked

Date: X 1/23/2003
Date of signing

X 
Lu, Yicheng

Date: X 1/23/2003
Date of signing

X 
Emanetoglu, Nuri William

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

STATE OF
SS
COUNTY OF

On this *23* day of *January, 2003*, before me personally appeared Lu, Yicheng to me personally known and known to me to be the person who signed the foregoing Assignment and acknowledged the signing of same as his/her free act and deed.

GEORGENE GRANHOLM
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires October 21, 2004

Georgene Granholm

Notary Public

STATE OF
SS
COUNTY OF

On this *23* day of *January, 2003*, before me personally appeared Emanetoglu, Nuri William to me personally known and known to me to be the person who signed the foregoing Assignment and acknowledged the signing of same as his/her free act and deed.

GEORGENE GRANHOLM
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires October 21, 2004

Georgene Granholm

Notary Public