

04-27-2001

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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) X.-C. Zhang
2) Masahiko Tani
3) Zhiping Jiang
4) Qin Chen

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 1) 04/03/01 2), 3), & 4) 04/04/01

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

Name: Rensselaer Polytechnic Institute

Internal Address:

Street Address: 110 8th Street

City: Troy State: NY ZIP: 12180

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

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

If this document is being filed together with a new application, the execution date of the application is:

April 5, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

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

Name: Kevin R. Casey

Internal Address: Ratner & Prestia

04/24/2001 GTOM11 00000131 09826458

01 FC:581 40.00 DP

Street Address: P. O. Box 980

City: Valley Forge State: PA ZIP: 19482

6. Total number of applications and patents involved:

1

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

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

18-0350

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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.

Rex A. Donnelly

Name of Person Signing

Signature

April 5, 2001

Date

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

6

PATENT
REEL: 011719 FRAME: 0103

ASSIGNMENT

WHEREAS, we, **X.-C. Zhang, residing at 31 Omega Terrace, Latham, New York 12110; Masahiko Tani, residing at 449-5-1-103 Hojo, Himeiji 670-0947, Japan; Zhiping Jiang, residing at 712 Cole Avenue, Ottawa ON K2A 2B7, Canada; and Qin Chen, residing at 130 Cold Stream Court, Emmaus, Pennsylvania 18049,** (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled **TERAHERTZ TRANSCEIVERS AND METHODS FOR EMISSION AND DETECTION OF TERAHERTZ PULSES USING SUCH TRANSCEIVERS**, for which, on even date herewith, the **ASSIGNOR** executed an application for United States Letters Patent;

WHEREAS, the **ASSIGNEE, Rensselaer Polytechnic Institute, 110 8th Street, Troy, New York 12180-3590**, an institute of higher education, desires to acquire the entire interest in and to said invention and the Letters Patent to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign

APR-03-01 TUE 11:30 AM R&P WILMINGTON

FAX NO. 3024799480

P. 06

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countries in the name of the **ASSIGNEE** and to execute all instruments proper to carry out the intent of this instrument.

Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

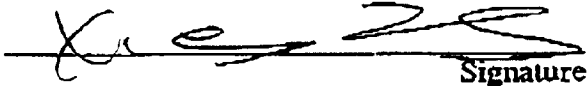
ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

If the invention requires a biological deposit, **ASSIGNOR** also grants to **ASSIGNEE** such control over any deposit made by **ASSIGNOR** as may be necessary to the validity of the patent rights assigned herein.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: X.-C. Zhang


Signature

Date: 4 / 3 / 2001

ASSIGNOR #2:

Typed Name: Masahiko Tani

Signature

Date: _____

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countries in the name of the **ASSIGNEE** and to execute all instruments proper to carry out the intent of this instrument.

Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

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IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: **X.-C. Zhang**

SignatureDate:

ASSIGNOR #2:

Typed Name: **Masahiko Tani**

M. Tani
SignatureDate:

April 4, 2001

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ASSIGNOR #3:

Typed Name: Zhiping Jiang

Zhiping Jiang
Signature

Date: April 4, 2001

ASSIGNOR #4:

Typed Name: Qin Chen

Signature

Date: _____

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ASSIGNOR #3:

Typed Name: **Zhiping Jiang**

Signature

Date: _____

ASSIGNOR #4:

Typed Name: **Qin Chen**



Signature

Date: 04/04/01