

08-27-2003

Attny. Docket No. DEE-PT067



Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇌ ⇌ ⇌

RECORD

102535496

PATENTS ONLY

DEPARTMENT OF COMMERCE
U.S. 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 party(ies):

LIN, CHII-WANN
HUANG, CHI-YU
CHIU, JYH-PERNG
LIOU, YING-TSUEN

8.2503

2. Name and address of receiving party(ies)

Name: NATIONAL TAIWAN UNIVERSITY

Internal Address: _____

Street Address: NO. 1, SEC. 4, ROOSEVELT RD.

City: TAIPEI State: TAIWAN, R.O.C. Zip: 106

Country: TAIWAN, R.O.C.

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other CORRECTIVE DOCUMENT -

REEL 013247, FRAME 0092

Execution Date: AUGUST 21, 2002

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)

10/153,459

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: RYAN W. O'DONNELL

Internal Address: VOLPE AND KOENIG, P.C.

UNITED PLAZA, SUITE 1600

Street Address: 30 SOUTH 17TH STREET

City: PHILADELPHIA State: PA Zip: 19103

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:

22-0493

Volpe and Koenig, P.C.

(Attach duplicate copy of this page if paying by deposit account)

AUG 25 AM 9:54
 OFFICE FINANCE

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.

RYAN W. O'DONNELL

Name of Person Signing

Ryan W. O'Donnell
Signature

AUGUST 21, 2003

Date

Reg. No. 53,401

Total number of pages including cover sheet, attachments, and documents: 4 Sheet 1 of 4

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT

REEL 014426 FRAME: 0716

08/27/2003 BYRNE 00000000 220493 10153459

01 FC:802 40.00 BA

Continuation of Box 1, Name of Conveying Parties

SHIUE, SHUEN-CHEN
KUO, TE-SON
HUANG, LONG-SUN
CHANG, PEI-ZEN
YANG, LUNG-JIEH
WU, CHAU-CHUNG
LIN, SHIMING
LEE, CHIH-KUNG

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

09-04-2002



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U.S. Department of Commerce

Patent and Trademark Office

PATENT

FINANCE SECTION

RECORDATION FORM COVER SHEET

PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☐ New
☒ Resubmission (Non-Recordation)
Document ID# 102117834

☐ Correction of PTO Error
Reel # _____ Frame # _____

☐ Corrective Document
Reel # _____ Frame # _____

Conveyance Type

☐ Assignment ☐ Security Agreement

☐ License ☐ Change of Name

☐ Merger ☒ Other Resubmission of Assignment

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) LIN, CHU-WANN

Execution Date
Month Day Year

05202002

Name (line 2)

Second Party

Name (line 1) HUANG, CHI-YU

Execution Date
Month Day Year

05202002

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) NATIONAL TAIWAN UNIVERSITY

Name (line 2)

Address (line 1) NO. 1, SEC. 4, ROOSEVELT RD.

Address (line 2)

Address (line 3) TAIPEI

TAIWAN, R.O.C.

106

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

FREE 014426 FRAME: 0718

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

**RECORDATION FORM COVER SHEET
CONTINUATION
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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) **CHIU, JYH-PERNG**

Execution Date
Month Day Year

05202002

Name (line 2)

Execution Date
Month Day Year

05202002

Name (line 1) **LIU, YING-TSUEN**

Name (line 2)

Execution Date
Month Day Year

05202002

Name (line 1) **SHIUE, SHUEN-CHEN**

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT

REEL 014426 FRAME: 0719

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) KUO, TE-SON

Execution Date
Month Day Year

05202002

Name (line 2)

Execution Date
Month Day Year

05202002

Name (line 1) HUANG, LONG-SUN

Name (line 2)

Execution Date
Month Day Year

05202002

Name (line 1) CHANG, PEI-ZEN

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT

FREE 014426 FRAME: 0720

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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date
Month Day Year

Name (line 1) YANG, LUNG-JIEH

05202002

Name (line 2)

Execution Date
Month Day Year

Name (line 1) WU, CHAU-CHUNG

05202002

Name (line 2)

Execution Date
Month Day Year

Name (line 1) LIN, SHIMING

05202002

Name (line 2)

Receiving Party(ies)



Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)



If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code



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Application Number(s) or Patent Number(s)



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT

REEL 014426 FRAME: 0721

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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date
Month Day Year

Name (line 1) LEE, CHIH-KUNG

05202002

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT

REEL 014426 FRAME: 0722

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET
CONTINUATION
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U.S. Department of Commerce
Patent and Trademark Office
PATENT

10/15/99
3-872 U.S. PTO

05/22/02

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) CHIU, JYH-PERNG

Execution Date
Month Day Year
05202002

Name (line 2)

Name (line 1) LIOU, YING-TSUEN

Execution Date
Month Day Year
05202002

Name (line 2)

Name (line 1) SHIUE, SHUEN-CHEN

Execution Date
Month Day Year
05202002

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Address (line 3)

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State/Country

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Name (line 1)

Name (line 2)

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Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT

REEL 014426 FRAME: 0723

Correspondent Name and Address

Area Code and Telephone Number

(215) 568-6400

Name **C. FREDERICK KOENIG III**

Address (line 1) **VOLPE AND KOENIG, P.C.**

Address (line 2) **SUITE 400, ONE PENN CENTER**

Address (line 3) **1617 JOHN F. KENNEDY BLVD.**

Address (line 4) **PHILADELPHIA, PA 19103**

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10153459

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
05 20 2002

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed ☐

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # **22-0493**

Authorization to charge additional fees:

Yes ☒ No ☐

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. Charges to deposit account are authorized, as indicated herein.

C. Frederick Koenig III

Name of Person Signing

Reg. No. 29,662

Signature

August 23, 2002

Date

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Chii-Wann Lin, Chi-Yu Huang, Jyh-Perng Chiu, Ying-Tsuen Liou, Shuen-Chen Shiue,
Te-Son Kuo, Long-Sun Huang, Pei-Zen Chang, Lung-Jieh Yang, Chau-Chung Wu,
Shiming Lin, Chih-Kung Lee

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) National Taiwan University having a place of business at

(3) No.1, Sec. 4, Roosevelt Rd., Taipei, Taiwan 106, R.O.C.

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) SENSOR SYSTEM OF SURFACE PLASMON RESONANCE (SPR) AND
MEASURING METHOD THEREOF

which application was:

(a) executed by the undersigned on (5a) _____

(b) filed on (5b) _____

and assigned Serial No. _____

including any and all United States letters Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

DATE:

INVENTOR(S)

08/21/2002

Chii-Wann Lin

Chii-Wann Lin

08/22/2002

Chi-Yu Huang

Chi-Yu Huang

08/21/2002

Jyh-Perng Chiu

Jyh-Perng Chiu

08/21/2002

Ying-Tsuen Liou

Ying-Tsuen Liou

08/21/2002

Shuen-Chen Shiue

Shuen-Chen Shiue

08/21/2002

Te-Son Kuo

Te-Son Kuo

WITNESSES:

PATENT

REEL 014426 FRAME: 0725

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Chii-Wann Lin, Chi-Yu Huang, Jyh-Perng Chiu, Ying-Tsuen Liou, Shuen-Chen Shiue,
Te-Son Kuo, Long-Sun Huang, Pei-Zen Chang, Lung-Jieh Yang, Chau-Chung Wu,
Shiming Lin, Chih-Kung Lee

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) National Taiwan University having a place of business at

(3) No.1, Sec. 4, Roosevelt Rd., Taipei, Taiwan 106, R.O.C.

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) SENSOR SYSTEM OF SURFACE PLASMON RESONANCE (SPR) AND
MEASURING METHOD THEREOF

which application was:

(a) executed by the undersigned on (5a) _____

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DATE:

INVENTOR(S)

<u>08/22/2002</u>	<u>Long Sun Huang</u>	<u>Long-Sun Huang</u>
<u>08/22/2002</u>	<u>Pei-Zen Chang</u>	<u>Pei-Zen Chang</u>
<u>08/21/2002</u>	<u>Lung-Jieh Yang</u>	<u>Lung-Jieh Yang</u>
<u>08/21/2002</u>	<u>Chau-Chung Wu</u>	<u>Chau-Chung Wu</u>
<u>08/21/2002</u>	<u>Shiming Lin</u>	<u>Shiming Lin</u>
<u>08/21/2002</u>	<u>Chih-Kung Lee</u>	<u>Chih-Kung Lee</u>

WITNESSES:

PATENT

RECORDED: 08/25/2003

REEL 014426 FRAME: 0726