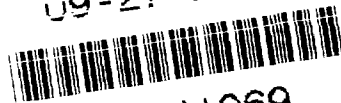


FORM PTO-1619A  
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09-27-2002



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Execution Date  
Month Day Year  
9/18/2002

Name (line 1) CHING-FUH LIN

Name (line 2)

## Second Party

Name (line 1) WEI-FANG LIN

Name (line 2)

Execution Date  
Month Day Year  
9/18/2002

## 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

City

Taiwan, R.O.C.

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**PATENT**  
**REEL: 013322 FRAME: 0258**

**Correspondent Name and Address**

Area Code and Telephone Number **410-465-6678**

Name **Morton J. Rosenberg**

Address (line 1) **Rosenberg, Klein & Lee**

Address (line 2) **3458 Ellicott Center Drive, Suite 101**

Address (line 3) **Ellicott City, MD 21043**

Address (line 4)

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# **4**

**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)

Patent Number(s)

**10251896**

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  
**9/18/2002**

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PCT  PCT  PCT

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Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

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**Morton J. Rosenberg**

Name of Person Signing

Signature

Date

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Name (line 1) EIH-ZHE LIANG

Execution Date  
Month Day Year

9/18/2002

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) TING-WEI SU

9/18/2002

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

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☐ Mark if additional names of receiving parties attached

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Patent Application Number(s)

Patent Number(s)



# ASSIGNMENT DEED

This assignment agreement is applicable to an invention entitled (invention title) METAL-OXIDE -SILICON DEVICE INCLUDING NANOMETER SCALED OXIDE STRUCTURE TO ENHANCE LIGHT-EMITTING EFFICIENCY

This PATENT RIGHT referred to in this agreement are:

- (check one) ☒ a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment  
☐ U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_  
☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHT assigned under this agreement are:

- (check one) ☒ U.S. Patent rights only  
☐ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of first assignor) Ching-Fuh LIN  
(Address) No. 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan, R.O.C.  
(Full name of second joint inventor, if any) Wei-Fang LIN  
(Address) No. 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan, R.O.C.  
(Full name of third joint inventor, if any) Eih-Zhe LIANG  
(Address) No. 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan, R.O.C.  
(Full name of fourth joint inventor, if any) Ting-Wei SU  
(Address) No. 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan, R.O.C.

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) National Taiwan University  
(Address) No. 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan, R.O.C.

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_  
(Address) \_\_\_\_\_

The Third ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_  
(Address) \_\_\_\_\_

The First ASSIGNEE is

- (check one) ☐ an individual  
☐ a partnership  
☒ a Corporation of Taiwan, R.O.C.  
(state or Country)

The Second ASSIGNEE is

- (check one) ☐ an individual  
☐ a partnership  
☐ a Corporation of \_\_\_\_\_  
(state or Country)

The Third ASSIGNEE is

- (check one) ☐ an individual  
☐ a partnership  
☐ a Corporation of \_\_\_\_\_  
(state or Country)

The ASSIGNOR(S), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;  
an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention; all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and request(s) the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, Continuation-in part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain an enforced proper protection for said invention.

Ching-Fuh Lin CHING-FUH LIN 9/18/2002  
(Signature of sole or first assignor) (LIN IS FAMILY NAME) (Date)

Wei-Fang Lin WEI-FANG LIN (LIN 9/18/2002  
(Signature of second assignor, if any) (LIN IS FAMILY NAME) (Date)

Eih-Zhe Liang EIH-ZHE LIANG 9/18/2002  
(Signature of third assignor, if any) (LIANG IS FAMILY NAME) (Date)

Ting-Wei Su TING-WEI SU (SU IS 9/18/2002  
(Signature of fourth assignor, if any) FAMILY NAME) (Date)

RECORDED: 09/23/2002

PATENT  
REEL: 013322 FRAME: 0261