

06-20-2003

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Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)



ET U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102478495

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

## 1. Name of conveying party(ies):

Milton FENG, Shyh-Chiang SHEN, and  
David C. CARUTHAdditional name(s) of conveying party(ies)  
attached?☐ Yes☒ No

## 3. Nature of Conveyance:

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

Execution Date: June 10, 2003

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

Name: XINDIUM TECHNOLOGIES, INC.

Internal Address:

Street Address:

100 Trade Center Drive  
Suite 304

City: Champaign

State: IL

Zip: 61820-7233

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 new application is:

A. Patent Application No.(s):

10/330,484

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Song K. Jung  
MCKENNA LONG & ALDRIDGE LLP

Internal Address: Atty. Dkt.: 9485.002.00-US

Street Address:  
1900 K Street, N.W.City:  
Washington

State: DC Zip: 20006

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☐ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

50-0911

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

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.

Song K. Jung  
Name of Person Signing

Signature

June 13, 2003  
Date

Total number of pages including cover sheet, attachments, and documents: 7

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PATENT  
REEL: 014180 FRAME: 0113

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 10th day of June, 2003, by Milton Feng; Shyh-Chiang Shen; and David C. Caruth (hereinafter referred to as Assignors), residing at ; ; and , respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in INDIUM PHOSPHIDE HETEROJUNCTION BIPOLAR TRANSISTOR LAYER STRUCTURE AND METHOD OF MAKING OF SAME, set forth in a Patent application for Letters Patent of the United States, already filed on December 30, 2002 as U.S. application No. 10/330,484; and

**WHEREAS**, XINDIUM TECHNOLOGIES, INC., an organized under and pursuant to the laws of having its principal place of business at Xindium Technologies, Inc., 100 Trade Center Drive, Suite 304, Champaign, Illinois 61820-7233 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification 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:

MCKENNA LONG & ALDRIDGE LLP

Teresa M. Arroyo	50,015	Kurt M. Eaton	51,640	Eric J. Nuss	40,106
Matthew T. Bailey	33,829	Song K. Jung	35,210	Rebecca Goldman Rudich	41,786

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

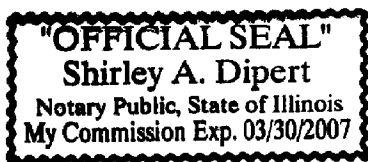
Milton Feng  
Milton Feng

Date: 6/10/03

United States of America )  
State of Illinois ) ss.:  
County of Champaign )

On this 10<sup>th</sup> day of June, 2003, before me  
personally came Milton Feng, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Shirley A Dipert  
Notary Public



DC:124444.1

PATENT  
REEL: 014180 FRAME: 0117

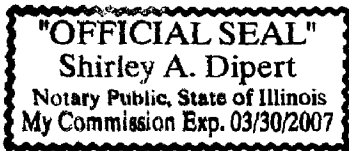
Shyh-Chiang Shen

Date: 6/10/03

United States of America )  
State of Illinois ) ss.:  
County of Champaign )

On this 10<sup>th</sup> day of June, 2003, before me  
personally came Shyh-Chiang Shen, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Shirley A Dipert  
Notary Public



DC:124444.1

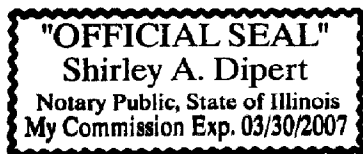
*David C. Caruth*

David C. Caruth

Date: 6/10/03

United States of America )  
State of Illinois ) ss.:  
County of Champaign )

On this 10<sup>th</sup> day of June, 2003, before me  
personally came David C. Caruth, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



*Shirley A. Dipert*  
Notary Public

DC:124444.1