

MW 11/17/99

12-06-1999

Patents Only



November 17, 1999
Attorney Dkt 5051-448

101215350

To the Honorable Commissioner of Patents and Trademark

Please record the attached original documents or copy

1. Name of conveying party(ies):

Kevin J. Linthicum
Thomas Gehrke
Robert F. Davis
Darren B. Thomson
Kieran M. Tracy

Additional name(s) of conveying party(ies) attached? ___ Yes X No

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

North Carolina State University
Office of the Vice Chancellor for Research
Outreach and Extension
Campus Box 7003
Raleigh, North Carolina 27695-7003



3. Nature of conveyance:

- X Assignment
- ___ Merger
- ___ Security Agreement
- ___ Change of Name
- ___ Other _____

Execution Date: November 12, 1999; November 12, 1999;
November 17, 1999; November 15, 1999; and November 15,
1999

09/441754

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

4. Application Serial No. _____

If this document is being filed together with a new application, the execution date of the application
is: November 12, 1999; November 12, 1999; November 17, 1999; November 15, 1999 and November 15, 1999

Additional numbers attached? ___ Yes X No

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

Mitchell S. Bigel
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00
X Enclosed
___ Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

12/01/1999 ABELMWN 00000035 09441754

04 FC:581 40.00 GP

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.

Mitchell S. Bigel, #29,614
Name of Person Signing

Signature

November 17, 1999
Date

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

ASSIGNMENT

THIS ASSIGNMENT, made by us, Kevin J. Linthicum, citizen of the United States of America, residing at 474 Crosslink Drive, Angier, County of Harnett, North Carolina 27501; Thomas Gehrke, citizen of the Republic of Germany, residing at 116B Bim Street, Carrboro, County of Orange, North Carolina 27510; Robert F. Davis, citizen of the United States of America, residing at 5705 Calton Drive, Raleigh, County of Wake, North Carolina 27612; Darren B. Thomson, citizen of the United States, residing at 312-D Bargate Drive, Cary, County of Wake, North Carolina 27511; and Kieran M. Tracy, citizen of the United States of America, residing at 3300-C Walnut Creek Parkway, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in METHODS OF FABRICATING GALLIUM NITRIDE MICROELECTRONIC LAYERS ON SILICON LAYERS AND GALLIUM NITRIDE MICROELECTRONIC STRUCTURES FORMED THEREBY for which an application for United States Letters Patent has been executed by us concurrently herewith, and

WHEREAS, North Carolina State University, an educational institution having a principal place of business at Office of the Vice Chancellor for Research, Outreach and Extension, Campus Box 7003, Raleigh, County of Wake, State of North Carolina 27695-7003, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International


Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

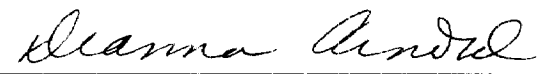
IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day of NOVEMBER, 1999.

 (SEAL)
Kevin J. Linthicum

STATE OF NORTH CAROLINA)
)
COUNTY OF WAKE)

ss:

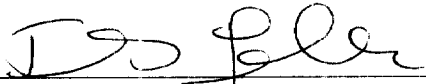
Before me personally appeared Kevin J. Linthicum, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 12th day of November, 1999.


Notary Public

SEAL

My Commission Expires: May 17, 2003

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12 day
of November, 1999.

 (SEAL)
Thomas Gehrke

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF WAKE)

Before me personally appeared Thomas Gehrke, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 12th day of November,
1999.


Notary Public

SEAL

My Commission Expires: May 17, 2003

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17th day of November, 1999.

Robert F. Davis (SEAL)
Robert F. Davis

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF WAKE)

Before me personally appeared Robert F. Davis, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 17th day of November, 1999.

Maiana Arnold
Notary Public

SEAL

My Commission Expires: May 17, 2003

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15th day of November, 1999.

Darren B. Thomson (SEAL)
Darren B. Thomson

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF WAKE)

Before me personally appeared Darren B. Thomson, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 15th day of November, 1999.

Candi L. Riggs
Notary Public

SEAL

My Commission Expires: My Commission Expires February 27, 2002.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 4th day of November, 1999.

Kieran M. Tracy (SEAL)
Kieran M. Tracy

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF WAKE)

Before me personally appeared Kieran M. Tracy, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 15th day of November, 1999.

Sianna A. [Signature]
Notary Public

SEAL

My Commission Expires: May 17, 2003