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Mark if additional names of conveying parties attached

Name (line 1) Cheng Wang Execution Date
Month Day Year
12 04 2000

Name (line 2) _____

Second Party

Name (line 1) _____ Execution Date
Month Day Year

Name (line 2) _____

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) North Carolina State University at Raleigh

Name (line 2) _____

Address (line 1) 1 Holladay Hall

Address (line 2) _____

Address (line 3) Raleigh NC 27695-7003
City State/Country Zip Code

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Correspondent Name and Address

Area Code and Telephone Number

704-945-6700

Name Philip Summa, P.A.

Address (line 1) 13777 Ballantyne Corporate Place

Address (line 2) Suite 315

Address (line 3) Charlotte, NC 28277

Address (line 4)

Pages

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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)

08/550,195

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

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as 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):

\$ 40

Method of Payment:

Enclosed

Deposit Account

Deposit Account

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

Deposit Account Number:

50-0332

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.

PHILIP SUMMA

Name of Person Signing

Philip Summa
Signature

28 December 2000

Date

Correspondent Name and Address

Area Code and Telephone Number

704-945-6700

Name Philip Summa, P.A.

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PHILIP SUMMA

Name of Person Signing

Signature

Date

ASSIGNMENT

THIS ASSIGNMENT is made by Cheng Wang, 4166 Pinot Gris Way, San Jose, California 95135;

WITNESSETH: That,

WHEREAS, I am a joint inventor of certain new and useful improvements in GERMANIUM DOPED N-TYPE ALUMINUM NITRIDE EPITAXIAL LAYERS for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on October 30, 1995, under Serial No. 08/550,195; and

WHEREAS, North Carolina State University at Raleigh, a constitute institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal office in Raleigh, County of Wake, State of North Carolina, 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; and

WHEREAS, to date the said application has been prosecuted in my name and on my behalf by North Carolina State University;

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, I 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 me if this assignment and sale had not been made.

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

I further covenant and agree that, at the time of the execution and delivery of these presents, I have the unencumbered right and authority to make this assignment.

I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me 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 04 day of December, 2000.

Cheng Wang (SEAL)
Cheng Wang

STATE OF CALIFORNIA)

) ss:
COUNTY OF Santa Clara)

Before me personally appeared Cheng Wang, 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 4th day of December 2000.

Jayesh Patel
Notary Public
JAYESH N. PATEL
Commission #1220262
Notary Public - California
Santa Clara County
My Comm. Expires May 20, 2003

SEAL

My Commission Expires: 5-20-2003