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Substitute PTO-1595 (Rev. 10/02)

RF

02-13-2003

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



To the Honorable Commissioner of Patent

102365110

original documents or copy thereof.

1. Name of conveying party(ies)

2-3-03

Weijie Lu  
William C. Mitchel  
Warren E. Collins  
Gerald Landis

2. Name and address of receiving party(ies)

Name: The United States of America as represented by the Secretary of the Air Force

Internal Address: AFMCLO/JAZ

Bldg 11, Room 100

Street Address: 2240 B Street

City: Wright-Patterson AFB State: OH Zip: 45433

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

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

Execution Date: 12/9/02, 12/18/02, 12/9/02 and 12/17/02

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)

10/340,766

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence should be addressed:

Name: Thomas L. Kundert

Internal Address: AFMCLO/JAZ

Bldg 11, Room 100

Street Address: 2240 B Street

City: Wright-Patterson AFB State: OH Zip: 45433

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) .....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

AF 01-0465

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

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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.

THOMAS L. KUNDERT  
Name of Person Signing

*Thomas L. Kundert*  
Signature

1/24/03  
Date

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

02/12/2003 TDIAZ1 00000183 010465 10340766  
01 FC:8021 40.00 CH

**ASSIGNMENT**

WHEREAS We, **Weijie Lu and Warren E. Collins**, while employed by Fisk University, made jointly with **William C. Mitchel and Gerald Landis** an invention entitled OHMIC CONTACTS ON p-TYPE SILICON CARBIDE USING CARBON FILMS, described in an application for Letters Patent of the United States described in an application for Letters Patent of the United States executed by us on the 9th day of December, 2002;

WHEREAS, pursuant to Fisk University faculty policy, we retain the entire right, title and interest in said invention including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, We, **Weijie Lu and Warren E. Collins**, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to the United States, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; we hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of our entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by us had this Assignment not been made; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that we shall not be subject to any out-of-pocket expense relative to such action.

*Weijie Lu*  
\_\_\_\_\_  
WEIJIE LU

SIGNED and acknowledged before me this 9th day of December, 2002, at Nashville, County of Davidson, and State of Tennessee

(Seal)

*Robert A. P. Jenkins*  
\_\_\_\_\_  
Notary Public

My Commission Expires NOV. 26, 2005

*Warren E. Collins*

WARREN E. COLLINS

SIGNED and acknowledged before me this 9<sup>th</sup> day of December 2002, at Nashville, County of Davidson, and State of Tennessee

(Seal)

*Michelle A. Borden*

Notary Public


My Commission Expires NOV. 26, 2005

ASSIGNMENT

WHEREAS I, **William C. Mitchel**, while employed by the Government of the United States, made jointly with **Weijie Lu, Warren E. Collins and Gerald Landis** an invention entitled **OHMIC CONTACTS ON p-TYPE SILICON CARBIDE USING CARBON FILMS**, described in an application for Letters Patent of the United States described in an application for Letters Patent of the United States executed by me on the 18 day of December, 2002;

WHEREAS, the conditions under which the joint invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to my entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, **William C. Mitchel**, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to the United States, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; I hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and I hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

  
WILLIAM C. MITCHEL

SIGNED and acknowledged before me this 18th day of December, 2002, at Wright Patterson AFB County of Montgomery, and State of Ohio.

(Seal)

  
Notary Public

GERALD B. HOLLING, Attorney at Law  
In and for the State of Ohio  
My Commission Expires 11/14/2006  
O. R. C. Sec. 147.03

**ASSIGNMENT**

Application Title: OHMIC CONTACTS ON p-TYPE SILICON CARBIDE USING CARBON FILMS

Inventor(s): Gerald Landis

Date Inventor(s) Executed Declaration: 12/17/02 8 Jan 03

Contractor: UDRI

Contract Number: F33615-00-C-5422

Contractor's Invention No.: \_\_\_\_\_

Air Force Invention No.: AFD 617

The undersigned Inventor(s) in recognition of their obligation as employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government of the United States under the above contract, hereby assign to the United States of America, as represented by the Secretary of the Air Force, their entire right, title, and interest throughout the world in and to each invention disclosed and claimed in the above U.S. patent application, made jointly with William C. Mitchel, an employee of the United States Government, and any substitution, division, continuation-in-part, or continuation of such patent application, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract.

The Inventor(s) agree to assist the Contractor and the Government, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to prepare, file and prosecute such applications and make this assignment effective.

The Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes and assigns to the United States of America as represented by the Secretary of the Air Force their entire right, title, and interest throughout the world in and to such inventions, and further agrees to furnish to the Government, upon request, any available information and documents necessary for the preparation, filing, and prosecution of such applications, for patent.

Gerald R. Landis  
GERALD LANDIS

SIGNED and acknowledged before me this 17<sup>th</sup> day of December, 2002, at Dayton,  
County of Montgomery, and State of Ohio.

(seal)

Claudette M Groeber  
Notary Public  
**CLAUDETTE M. GROEBER, Attorney at Law**  
Notary Public, State of Ohio  
My Commission has no Expiration Date  
Section 147.03 O.R.C.