To the Honorable Commissioner of Patents and Trademarks -

1. Name of conveying party(ies):
   
   **KUAN-LUN CHANG**

   Additional name(s) or conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
   
   **Name:** Industrial Technology Research Institute
   
   **Internal Address:**
   
   **Street Address:** 195 Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan, R.O.C.
   
   **City:** Hsinchu  
   
   **Zip:**
   
   **Country:** Taiwan, R.O.C.

3. Nature of conveyance:
   
   ☒ Assignment
   
   ☐ Merger
   
   ☐ Security Agreement
   
   ☐ Change of Name
   
   ☐ other

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: 5/4/98

   **A. Patent Application No(s):**

   **B. Patent No(s):**

   Additional numbers attached? ☐ Yes ☒ No

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

   **Name:** GEORGE O. SAILE
   
   **Internal Address:**

   **Street Address:** 20 MCINTOSH DRIVE
   
   **City:** POUGHKEEPSIE  
   
   **State:** NY  
   
   **ZIP:** 12603

6. Total no. of applications and patents involved: 1

7. Total fee (37 CFR 3.31): $40.00

   ☒ Enclosed
   
   ☐ Authorized to be charged to deposit acct.

8. Deposit account number: 19-0033

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

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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.

**GEORGE O. SAILE**

Name of Person Signing

Signature: ____________________________ Date: 6/30/98

Total number of pages comprising cover sheet: 3

PATENT

REEL: 9311 FRAME: 0646
ASSIGNMENT OF INVENTION

in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar ($1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

ASSIGNOR

Kuan-Lun Chang
Type or print name of ASSIGNOR

Sec. 4, Chung Hsing Rd., Chuting, Hsinchu
Address

Taiwan, R.O.C.
Nationality

ASSIGNEE

Industrial Technology Research Institute
195 Sec. 4, Chung Hsing Rd.
Chuting, Hsinchu, Taiwa1, R.O.C.
Taiwan, R.O.C.
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(check one of the following)

☑ the entire right, title and interest:
☐ an undivided ______ percent (___%) interest for the United States and its territorial possessions
☐ and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled

A New Bipolar Junction Transistor Structure And Method Of Forming The Same
and which is found in

(a) [ ] U.S. patent application executed on even date herewith
(b) [ ] U.S. patent application executed on ________________
(c) [ ] U.S. application serial no. ____________________________ filed on ________________
(d) [ ] U.S. patent no. ____________________________ issued ________________
   (also check (e) if foreign application(s) is also being assigned)
(e) [ ] and any legal equivalent thereof in a foreign country, including the right to claim priority

and in and to all Letters Patent to be obtained for said invention by the above application or any
continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination
thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will
be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all
pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as
may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or
proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives
any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said
application, said invention, and said Letters Patent and said equivalents thereof which may be necessary
or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have signed this

[Signature] (Date of signing)

WARNING Date of signing must be the same as the date of execution of the application if item (a) was checked above.

If ASSIGNOR is a legal entity complete the following information

[Signature] (Name of person authorized to sign on behalf of ASSIGNOR)

Title

Note: No witnessing, notarization or legalization is necessary if the assignment is executed or legalized in the U.S. The signature must be evidence of a U.S. 2618 Notice next page if notarization is desired.