

12-29-2004

EET

HDP Docket No. 6550-000102
Express Mail Label No. EV 570 163 525 US
(12/8/2004)

To the Director of the U.S. Patent

102913179

and documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s)

Mercouri G. Kanatzidis
Kuei-Fang Hsu

2. Name and address of receiving party(ies)

Name: Board of Trustees Operating Michigan State University

Internal Address:

Execution Date(s) 11/11/2004 & 11/12/2004
Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

Street Address: 246 Administration Building

City: East Lansing

State: Michigan

Country: United States of America Zip: 48824

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s)
10/931,295

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Monte L. Falcoff

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills

State: MI Zip: 48303

Phone Number: 248-641-1600

Fax Number: 248-641-0270

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 08-0750

Authorized User Name _____

9. Signature:

Mark A. Frentrup

Signature
Mark A. Frentrup

12/20/04
Date

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

4

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 016101 FRAME: 0615

12/23/2004 KBE:EMRI 00000066 10931295 40.00 DP
01 FC:8021

ASSIGNMENT

Atty. Docket No. 6550-000102

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

SILVER-CONTAINING P-TYPE SEMICONDUCTOR

which is the subject of a United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on _____, _____, _____;
- (c) ☒ filed on August 31, 2004, and assigned Serial No. 10/931,295 or PCT International Application No. _____;
- (d) ☐ U.S. Patent No. _____, issued _____, and
☐ presently assigned as evidenced at Reel _____, Frame _____; or
- (e) ☐ entitled above and naming the undersigned inventors in this provisional patent application; and

Board of Trustees Operating Michigan State University, having a place of business at 246 Administration Bldg., East Lansing, Michigan 48824, hereinafter referred to as Assignee, is desirous of acquiring Assignor's interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

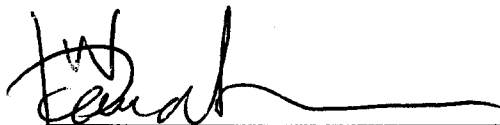
Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

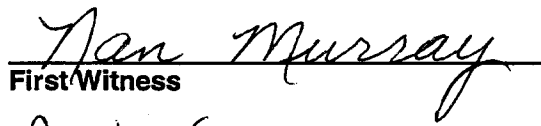
Assignor hereby authorizes an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.


ASSIGNMENT



Mercouri G. Kanatzidis
11/22/2004

Dated



First Witness


Second Witness

Kuei-Fang Hsu

Dated

First Witness

Second Witness

Atty. Docket No. 6550-000102
U.S. Serial No. 10/931,295

ASSIGNMENT

Mercouri G. Kanatzidis

First Witness

Dated

Second Witness

Kuei Fang Hsu

Kuei-Fang Hsu

Shu-Hui Chen

First Witness

November 11, 2004

Dated

Hua-Jen Hsu

Second Witness

Atty. Docket No. 6550-000102
U.S. Serial No. 10/931,295