

07-16-2002



Form PTO-1595

(Rev. 03/01)

RECO

OMB No. 0651-0027 (exp. 5/31/2002)

102155770

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

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

University of Iowa

7-12-02

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

## 3. Nature of conveyance:

- ☐ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☒ Other Confirmatory License

03/05/02

Execution Date: \_\_\_\_\_

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

Name: National Science FoundationInternal Address: Office of the General CounselSuite 1265Street Address: 4201 Wilson BoulevardCity: Arlington State: VA Zip: 22230Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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) 10/014,925

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robin Clay FritschInternal Address: Office of the General CounselSuite 1265Street Address: 4201 Wilson BoulevardCity: Arlington State: VA Zip: 222306. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41).....\$ 0.00☐ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

DO NOT USE THIS SPACE

## 9. Signature.

Robin Clay Fritsch

Name of Person Signing

Signature

7/2/02

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

PATENT

REEL: 013076 FRAME: 0052

License to the United States Government

Content-type: text/html Fax this to (301) 480-0272

# License to the United States Government

3972901-00-0022  
00083

**Invention Title:** Unipolar Spin Diode and Transistor

**Inventor(s):** Michael E Flatte, Giovanni Vignale, , , , , , , , ,

**Patent or Application Serial No.:** 10/014,925

**U.S. Filing/Issue Date:** 10/26/01

**Grant/Contract Identification Number(s):** ECS00556

**Foreign Applications filed/intended in (countries):**

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the United States Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations which are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 5 day of MARCH, 2002

By W. Bruce Wheaton  
(Name of Grantee/Contractor Official)  
**W. Bruce Wheaton**  
**Executive Director and Secretary**

Title \_\_\_\_\_

For UNIVERSITY OF IOWA  
(Organization)

At Oakdale Research Campus, #214 TIC, Iowa City IA 52242  
(Business Address)

3/5/2002

<https://s-cdison.info.nih.gov/bin/Edison/license.pl>

RECORDED: 07/12/2002

PATENT  
REEL: 013076 FRAME: 0053