

04-22-2002

1. 21087.0014U2
NO. 10/014,925
PAGE 1 OF 2



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FORM PTO-1595
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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:

Please record the attached original documents or copy thereof.

ATTORNEY DOCKET NO.: 21087.0014U2

1. Name of conveying party(is): Giovanni Vignale

Additional names of conveying party(ies)
attached?

☐ YES ☒ NO

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

Name: University of Missouri

Internal Address: Department of Physics & Astronomy

Street Address: 223 Physics Building

City: Columbia

State: Missouri

Zip: 65211

Additional name(s) and address(es) attached?

☐ YES ☒ NO

3. Nature of conveyance:

| | | |
|--|---|--------------------------------|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger | <input type="checkbox"/> Other |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name | |

Execution Date: March 1, 2002

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:
(Filed October 26, 2001)

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:

Tim Tingkang Xia
NEEDLE & ROSENBERG, P.C.
Suite 1200, The Candler Building
127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811
(404) 688-0770

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):

\$40.00

☒ Payment in the amount of \$40.00 is to be charged to a credit card and such payment is authorized by the signed, enclosed document entitled: Credit Card Payment Form PTO-2038. However the Commissioner is authorized to charge any additional amount due or credit any overpayment to Deposit Account No.14-0629.

☐ Authorized to be charged to Deposit Account.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 14-0629.

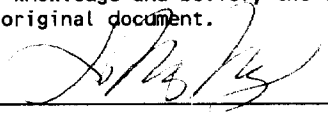
PATENT
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8. Deposit account number: 14-0629
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9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.



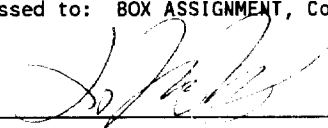
Tim Tingkang Xia
Reg. No. 45,242

Date

3/25/2002

Total Number of Pages Including Cover Sheet, Attachments, and Document: 4

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date shown below.



Tim Tingkang Xia

Date

3/25/2002

ASSIGNMENT

WHEREAS, I, Giovanni Vignale, of 1024 Lagrange Court, Columbia, Missouri, 65203 U.S.A., along with co-inventor Michael Edward Flatté, have invented new and useful improvements in a **“UNIPOLAR SPIN DIODE AND TRANSISTOR AND THE APPLICATIONS OF THE SAME”** for which a patent application was filed on October 26, 2001, which was assigned U.S. Serial No. 10/014,925; and

WHEREAS, I am a co-inventor named in the above-identified patent application; and

WHEREAS, the **UNIVERSITY OF MISSOURI**, whose post-office address is 223 Physics Building, Columbia, Missouri 65211, U.S.A., is desirous of acquiring all of my domestic and foreign right, title, and interest in the above-mentioned invention described in the patent application; and

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) the receipt of which is hereby acknowledged, and for good and valuable consideration, I, Giovanni Vignale, hereby, assign and transfer onto said **UNIVERSITY OF MISSOURI**, my entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application under 35 U.S.C. § 119(e), reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under the International Convention arising from said application; the same for its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made;

AND, I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or

other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **UNIVERSITY OF MISSOURI**, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

I also authorize counsel for **UNIVERSITY OF MISSOURI** to enter above the filing date and serial number of the application when they become available.

IN WITNESS WHEREOF, I have executed this Assignment this 1 day of March
2002, ~~2001~~.

Giovanni Vignale (L.S.)
Giovanni Vignale

State of Missouri
County of Boone

On this 1 day of March, ~~2001~~ ²⁰⁰², before me, a Notary Public, came Giovanni Vignale, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Franklin D. Mize
Notary Public

My Commission Expires: 05-22-04