

FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE  
(Revised 3-01) Patent and Trademark OfficeRECORDATION FOR  
PATENTS

07-21-2005



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112919 U.S. PTO  
11/180955

TO THE HONORABLE DIRECTOR OF U.S. PATENTS AND TRADEMA.

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): [Use numbers if there are multiple inventors and multiple dates of execution.]

1. Alexander Khitun  
2. Kang L. Wang

Additional names of conveying party(ies) attached?

☐ YES ☒ NO

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

The Regents of the University of California  
1111 Franklin Street  
12<sup>th</sup> Floor  
Oakland, CA 94607-5200

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(s): July 8, 2005

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):

B. Patent No.(s):

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

NEEDLE & ROSENBERG, P.C.  
Suite 1000  
999 Peachtree Street  
Atlanta, Georgia 30309

6. Total number of applications and patents involved: One (1)

07/18/2005 HMARZII 00000003 11180955

01 FC:8021

40.00 DP

7. Total fee (37 CFR § 3.41): \$40.00

☐ Check enclosed☒ Credit Card Payment Authorization Form PTO-2038 enclosed.☐ The Commissioner is hereby authorized to charge the total fee to Deposit Account No. 14-0629 (Attach duplicate copy of this form if paying by deposit account)☒ The Commissioner is hereby authorized to charge any underpayment, or credit any overpayment, to Deposit Account No. 14-0629.

8. 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.

  
Dawn V. Stephens, Registration No. 44,3557/12/2005  
Date

Total Number of Pages Including Cover Sheet, Attachments, and Document: 3 (Assignment Recordation Form Cover Sheet/1 pg.; Copy of Executed Assignment/1 pg.; Form PTO-2038 Credit Card Authorization Form in the Amount of \$40.00/1 pg.)

## CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail Label No. EL970612653US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

  
Scott Darnell7-12-05  
Date

ASSIGNMENT

U.C. Case No. 2005-180-1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Alexander Khitun

2. Kang L. Wang

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and 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:

**"POWER CONSUMPTION MINIMIZATION IN MAGNETIC RANDOM ACCESS MEMORY BY  
USING THE EFFECT OF HOLE-MEDIATED FERROMAGNETISM"**

and which is found in

- (a)        U.S. provisional application filed herewith and listing the above named persons as inventors
- (b)   X   Patent application filed herewith and listing the above named persons as inventors
- (c)        U.S. Application No.                                 , filed
- (d)        U.S. Patent No.                                 , issued

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, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) 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(S) 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 relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or 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. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

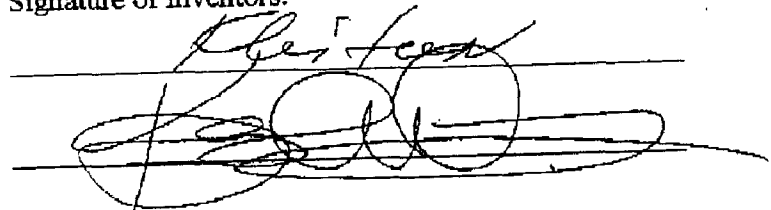
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

  8   day of   July  , 2005

  8   day of   July  , 2005

Signature of Inventors:



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