06/08/2015 Form PTO-1595 (Rev. 63:09) OMB No. 065/1:0027. (exp. 03/31/2009) U.S. DEPARTMENT OF COMMERCE nited States Patent and Trademark Office 103672515	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
	Name: <u>NAVY, SECRETARY OF THE UNITED STATES</u>
CALIFORNIA INSTITUTE OF TECHNOLOGY	Internal Address: OF AMERICA
Additional name(s) of conveying party(ies) attached?	
3. Nature of conveyance/Execution Date(s):	Street Address:
Execution Date(s) <u>10/27/2010</u>	
Security Agreement Change of Name	City: ARLINGTON
Joint Research Agreement	State:VA
Government Interest Assignment	Country: USA Zip: 22203-1995
Executive Order 9424, Confirmatory License	2000 mily2.p2.p
Other	Additional name(s) & address(es) attached? Yes X No
A, Patent Application No.(s) 12/399,603 Additional numbers	B, Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
	- 7. Total fee (37 CFR 1.21(h) & 3.41) \$
Internal Address: OFFICE OF NAVAL RESEARCH	
	Authorized to be charged to deposit account
Street Address: 875 NORTH RANDOLPH STREET	
	None required (government interest not affecting title)
	8. Payment Information
State: va Zip: 22203-1995	
Phone Number: 703-696-4008	
Fax Number:	Deposit Account Number
Email Address: <u>CAROL PETROSKY@NAVY.MIL</u>	Authorized User Name
9. Signature: Ouger strength 03/27/2015	
Signature	Date
CAROL PETROSKY	Total number of pages including cover
Name of Person Signing	sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

License to the United States Government

Invention Title: Effective-Inductance-Change Based Magnetic Particle Sensing

Inventors: Hua Wang; Seyed Ali Hajimiri; Yan Chen

Patent Application Serial No: 12/399,603

US Filing/Issue Date: 3/6/2009

Grant/Contract Identification No: N00014-04-C-0588

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 ONR - Space and Naval Warfare Systems Center (SSC). 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 patent and re-issues granted thereon throughout the world; and
- 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 here by granted an irrevocable power to inspect and make copies of the above-identified patent application.

California Institute of Technology 1200 E. California Boulevard Pasadena, California 91125

Fred Farina, Asst VP for Tech Transfer

Dated:October 27, 2010

CIT File No: 5108

PATENT REEL: 035892 FRAME: 0051

RECORDED: 06/08/2015