PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paola Cappellaro	08/10/2010
Lilian I. Childress	08/02/2010
Liang Jiang	07/28/2010
Mikhail D. Lukin	08/02/2010
Jacob M. Taylor	08/10/2010
Ronald Walsworth	07/29/2010
Amir Yacoby	07/29/2010

RECEIVING PARTY DATA

Name:	President and Fellows of Harvard College	
Street Address:	17 Quincy Street	
City:	Cambridge	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12746128

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 3111

PATENT

REEL: 024853 FRAME: 0356

NAME OF SUBMITTER:	Anne Craig
Total Attachments: 8 source=HU 3111 - Executed Assignment#pa	age2.tif age3.tif age4.tif age5.tif age5.tif age6.tif age6.tif

PATENT REEL: 024853 FRAME: 0357

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Mikhail Lukin, Ronald L. Walsworth, Amir Yacoby, Paola Cappellaro, Jacob W. Taylor, Liang Jiang, and Lillian Childress

(hereafter "Assignors") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

Electronic Spin Based Enhancement of Magnetometer Sensitivity

described in U.S. Provisional Patent Application No. 61/058,366 filed June 3, 2008, International Patent Application No. PCT/US08/085428 filed December 3, 2008, and in U.S. Patent Application No. 12/746,128 filed June 3, 2010; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

Assignors hereby warrant that they have full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee,

PATENT REEL: 024853 FRAME: 0358 its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

The undersigned hereby authorize assignee or assignee's representative to insert into this Assignment said application serial number(s) and filing date(s) if not known at the time of execution of this assignment. 08-02-10 Mikhail Lukin Date 22-10 Date Witness's Printed Name Ronald L. Walsworth Date Witness **Date** Witness's Printed Name Date **Amir Yacoby** Witness Date

Witness's Printed Name

its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

The undersigned hereby authorize assignee or assignee's representative to insert into this Assignment said application serial number(s) and filing date(s) if not known at the time of execution of this assignment.

Date	Mikhail Lukin
Date	Witness
	Witness's Printed Name
2 <i>9/10</i>	
<u> </u>	Ronald L. Walsworth
5/10	se Mill
Date	Davil Phillips
	Witness's Printed Name
Date	Amir Yacoby
Date	Witness
	Witness's Printed Name

its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

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Date	Mikhail Lukin
Date	Witness
	Witness's Printed Name
Date	Ronald L. Walsworth
Date	Witness
	Witness's Printed Name
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1/29//0	my raciny
Date	Witness Sess Marka
	Witness's Printed Name

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08/10/2010	Cenll
Date	Paola Cappellaro
0811012010 Date	Witness
2	Table 75 - 0 T - 221
	FRANCESCO TICO 221 Witness's Printed Name
Date	Jacob W. Taylor
Date	Witness
	Witness's Printed Name
Date	Liang Jiang
Date	Witness
	Witness's Printed Name
Date	Lillian Childress
Date	Witness
	Witness's Printed Name

PATENT

REEL: 024853 FRAME: 0362

Date	Paola Capellaro
Date	Witness
	Witness's Printed Name
8/10/2010 Date 8/10/2010	Jacob W. Taylor
Date	Jacob W. Taylor
8/10/2010	Mily A. Ower Witness
Date	Witness
	Lois A. OROZCO Witness's Printed Name
	Witness's Printed Name
Date	Liang Jiang
Date	Witness
	Witness's Printed Name
Date	Lillian Childress
Date	Witness
	Witness's Printed Name

Date	Paola Capellaro
Date	Witness
	Witness's Printed Name
Date	Jacob W. Taylor
Date	Witness
	Witness's Printed Name
July 28, 2010 Date	
Date	Liang Jiang
July 28, 7010	Sulman Beigi Witness
	Salman Oxig i Witness's Printed Name
Date	Lillian Childress
Date	Witness
	Witness's Printed Name

Paola Capellaro
Witness
Witness's Printed Name
Jacob W. Taylor
Witness
Witness's Printed Name
Liang Jiang
Witness
Witness's Printed Name
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Lillian Childress
Witness
David Baker Witness's Printed Name

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