

Form PTO-1595 (Rev. 03-09)
OMB No. 0651-0027 (exp. 03/31/2009)

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

RECORDATION FORM COVER SHEET PATENTS ONLY

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)
 David C. Dunand and Yuttanant Boonyongmaneerat

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

2. Name and address of receiving party(ies)
 Name: Northwestern University
 Internal Address: _____
 Street Address: 633 Clark Street
 City: Evanston
 State: Illinois
 Country: US Zip: 60208

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 11/28/08 and 12/01/08

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
12/203,112

Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Pedersen & Company, PLLC
 Internal Address: _____
 Street Address: 1410 N. 28th Street
 City: Boise
 State: Idaho Zip: 83703
 Phone Number: (208) 343-6355
 Fax Number: (208) 343-6341
 Email Address: ip@pedersenco.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 502236
 Authorized User Name Barbara S. Pedersen

9. Signature: Barbara S. Pedersen Signature 6/16/10 Date

Barbara S. Pedersen
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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

CH \$40.00 502236 12203112

ASSIGNMENT

WHEREAS, We, David C. Dunand and Yuttanant Boonyongmaneerat, (hereinafter collectively referred to as "Assignor") residing at 2244 Orrington Avenue, Evanston, Illinois 60201, United States of America and 162/24 Soi Kingpeteh, Petchaburi Road, Rajatevi, Bangkok, Thailand 10400, respectively, are co-inventors, for the following invention (hereinafter referred to as the "Invention") described in U.S. Patent Application No. 12/203,112 filed September 2, 2008 with the U.S. Patent and Trademark Office and entitled:

"Magnetic Material with Large Magnetic-Field-Induced Deformation"

WHEREAS, Northwestern University (hereinafter "Assignee"), a not-for-profit corporation duly organized and existing under the laws of the State of Illinois, having its principal office and place of business at 633 Clark Street, Evanston, Illinois 60208, United States of America, desires to acquire Assignor's entire rights, title and interest in and to said Invention as described above, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

NOW, THEREFORE, for and in consideration of any agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, at least as early as the filing date of said application, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by the Assignor had this assignment and sale not been made.

We hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such application for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for the Assignee stated above and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

*CD
Dec 1, 2008
distribution
to inventors*

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

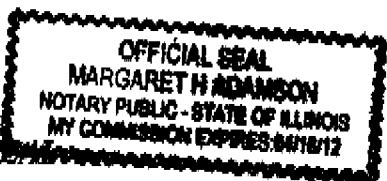
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our respective seals on the date set forth below.

ASSIGNOR:

[Signature] Dec 1, 2008
David C. Dunand

State of Illinois)
County of Cook)

On this 1st day of December, 2008, D. Dunand, personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth herein.



NOTARY SEAL

[Signature]
Signature of Notary Public

My Commission Expires:
4-16-12

AND

Yuttanant Boonyongmaneerat

WITNESS:

Signature

Date: _____

Printed Name

Home Address of Witness

ASSIGNMENT

WHEREAS, We, David C. Dunand and Yuttanant Boonyongmaneerat, (hereinafter collectively referred to as "Assignor") residing at 2244 Orrington Avenue, Evanston, Illinois 60201, United States of America and 162/24 Soi Kingpetch, Petchaburi Road, Rajatevi, Bangkok, Thailand 10400, respectively, are co-inventors, for the following invention (hereinafter referred to as the "Invention") described in U.S. Patent Application No. 12/203,112 filed September 2, 2008 with the U.S. Patent and Trademark Office and entitled:

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NOW, THEREFORE, for and in consideration of any agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, at least as early as the filing date of said application, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by the Assignor had this assignment and sale not been made.

We hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such application for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for the Assignee stated above and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our respective seals on the date set forth below.

ASSIGNOR:

David C. Dunand

State of Illinois)
)
County of Cook)

On this ___ day of _____, 2008, _____, personally appeared before me, known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth herein.

Signature of Notary Public

My Commission Expires: _____

NOTARY SEAL

AND

Yuttanat Boonyongmaneerat

Yuttanat Boonyongmaneerat

WITNESS:

Supin Sangsuk

Signature

Date: 28 Nov 08

Supin Sangsuk

Printed Name

Home Address of Witness

31/72 Moo10, Rachapreuk Rd., Talingchan District

Bangkok 10170, Thailand