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U.S. DEPARTMENT OF COMMERCE

(Rev. 6-6-79)

OMB No. 0651-0011 (exp. 4/94)



Patent and Trademark Office

Atty Dkt. No. 65534

101481819

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:

1. R. William McCallum; 2. John E. Snyder; 3. Kevin W. Dennis; 4. David C. Jiles; 5. Carl R. Schwichtenberg

Additional name(s) of conveying parties attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Iowa State University Research Foundation, Inc.

Internal Address: _____

Street Address: 310 Lab of MechanicsCity: Ames State: IA ZIP: 50011-2131Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Execution Date: McCallum, July 13, 2000; Snyder, July 13, 2000;Dennis, July 13, 2000; Jiles, July 13, 2000;
Schwichtenberg, Sept. 11, 2000.

Application number or patent number:

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.

B. Patent No.(s)

U.S. Serial No. 09/550,454

Additional numbers attached? ☐ Yes ☒ No

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

Name: Timothy E. LevstikInternal Address: FITCH, EVEN, TABIN & FLANNERYStreet Address: 120 S. LaSalle Street, Suite 1600City: Chicago State: IL ZIP: 60603-34066. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41) \$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account
only if check is Missing or improper

8. Deposit Account No.

06-1135

10/05/2000 MPASASO 00000067 09550454

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9. Statement and signature

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.

Robert J. Fox
Name of Person SigningRobert J. Fox
SignatureSeptember 29, 2000
DateTotal number of pages including cover sheet, attachments, and document: 6

A S S I G N M E N T

WE, R. WILLIAM McCALLUM, of Ames, County of Story and State of Iowa, JOHN E. SNYDER, of Ames, County of Story and State of Iowa, KEVIN W. DENNIS, of Ames, County of Story and State of Iowa, CARL R. SCHWICHTENBERG, of Ames, County of Story and State of Iowa, and DAVID C. JILES, of Ames, Country of Story and State of Iowa for good and valuable consideration, have assigned and do hereby assign to IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., its principal place of business at 310 Lab of Mechanics, Ames, Iowa 50011-2131, its successors, assigns, and legal representatives, the entire rights, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

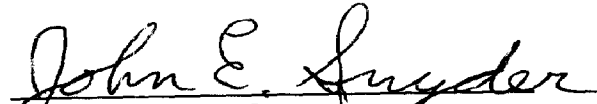
**A MATERIAL FOR MAGNETOSTRICTIVE SENSORS AND
OTHER APPLICATIONS BASED ON FERRITE MATERIALS
U.S. Serial No. 09/550,454**

signed by us on the date indicated, and in and to all Letters Patent, and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of said Letters Patent to the above Assignee in accordance with this Assignment.

July 13, 2000


R. William McCallum

13 July, 2000


John E. Snyder

July 13, 2000


Kevin W. Dennis

_____, 2000

Carl R. Schwichtenberg

July 13, 2000

 PATENT (C. Jiles)

A S S I G N M E N T

WE, R. WILLIAM McCALLUM, of Ames, County of Story and State of Iowa, JOHN E. SNYDER, of Ames, County of Story and State of Iowa, KEVIN W. DENNIS, of Ames, County of Story and State of Iowa, CARL R. SCHWICHTENBERG, of Ames, County of Story and State of Iowa, and DAVID C. JILES, of Ames, Country of Story and State of Iowa for good and valuable consideration, have assigned and do hereby assign to IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., its principal place of business at 310 Lab of Mechanics, Ames, Iowa 50011-2131, its successors, assigns, and legal representatives, the entire rights, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

**A MATERIAL FOR MAGNETOSTRICTIVE SENSORS AND
OTHER APPLICATIONS BASED ON FERRITE MATERIALS
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_____, 2000

R. William McCallum

_____, 2000

John E. Snyder

_____, 2000

Kevin W. Dennis

9-11, 2000

Carl R. Schwichtenberg

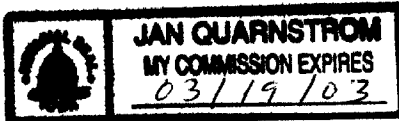
PATENT

X
STATE OF Iowa)
COUNTY OF Story) SS:

I hereby certify that before me in the County of Story, in the State of Iowa, personally appeared R. WILLIAM McCALLUM, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.

July 13, 2000

Jan Quarnstrom
Notary Public



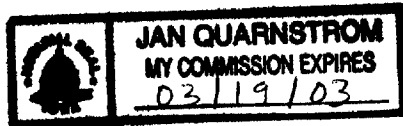
My Commission
Expires: March 19, 2000

STATE OF Iowa)
COUNTY OF Story) SS:

I hereby certify that before me in the County of Story, in the State of Iowa, personally appeared JOHN E. SNYDER, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.

July 13, 2000

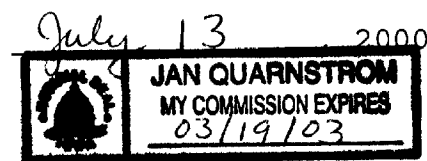
Jan Quarnstrom
Notary Public



My Commission
Expires: March 19, 2003

X
STATE OF Iowa)
COUNTY OF Story) SS:

I hereby certify that before me in the County of Story, in the State of Iowa, personally appeared KEVIN W. DENNIS, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.



Jan Quarnstrom
Notary Public

My Commission **PATENT**
Expires: March 19, 2003
REEL: 011128 FRAME: 0930

STATE OF Iowa)
COUNTY OF Story) SS:

I hereby certify that before me in the County of Story, in the State of **Iowa**, personally appeared **CARL R. SCHWICHTENBERG**, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.

Sept 13, 2000

Mary Lynn
Notary Public

My Commission
Expires: 3/01

STATE OF Iowa)
COUNTY OF Story) SS:

I hereby certify that before me in the County of Story, in the State of **Iowa**, personally appeared **DAVID C. JILES**, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.

_____, 2000

Notary Public

My Commission
Expires: _____

STATE OF _____)
) SS:
COUNTY OF _____)

I hereby certify that before me in the County of _____, in the State of **Iowa**, personally appeared **CARL R. SCHWICHTENBERG**, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing Assignment was duly signed by him on the date appearing at the foot thereof.

_____, 2000

Notary Public

My Commission

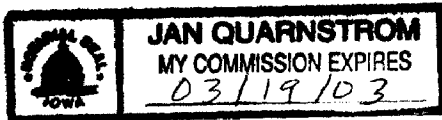
Expires: _____

STATE OF Iowa)
) SS:
COUNTY OF Story)

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July 13, 2000

Jan Quarnstrom
Notary Public



My Commission
Expires: March 19, 2003