Box Assignment of Patents and Trademarks

06-29-2001

101764730

Washington, DC 20231 Atty. Ref.: ISU-2487

Please record the attached original document or copy thereof.

(1) Karl A. GSCHNEIDER, Jr.(2) Alexandra O. PECHARSKY

(3) Vitalij K. PECHARSKY

Name and Address of Receiving Party(ies):

Iowa State University Research Foundation, Inc.

310 Lab of Mechanics Ames, Iowa 50011-2131

Name of Conveying Party(ies):

Nature of Conveyance:

[X] Assignment [] Security Agreement [] Merger [] License

[] Change of Name [] Other:

Execution Date of Document: May 16, 2001

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

Patent Application Numbers: 09/793 822

Patent Numbers:

Total Number of Applications and Patents Involved: 1. An enclosed check includes the recording fee of \$40.00. The Commissioner is hereby authorized to credit any overpayment, or to charge any additional recording fee required by this paper, to Deposit Account No. 20-1124.

Mail correspondence concerning The documents to:

Walnut Woods Centre 5955 W. Main St.

Kalamazoo, MI 49009 Tel: (616) 353-8807 Fax: (616) 372-3217

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.

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Walnut Woods Centre 5955 W. Main St.

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Fax: (616) 372-3217

Encl: Assignment

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Respectfully submitted,

Edward J. Timmer

Total number of pages, including cover sheet, attachments and documents 3

PATENT REEL: 011928 FRAME: 0551

ASSIGNMENT

WHEREAS, we (1) Karl A. GSCHNEIDNER, Jr., (2) Alexandra O. PECHARSKY, and (3) Vitalij K. PECHARSKY, hereinafter called "ASSIGNORS", residing at (1) 2215 Duff, Ames, lowa 50010; (2) 2621 Green Hills Drive, Ames, Iowa 50014; and (3) 2621 Green Hills Drive, Ames, Iowa 50014; have invented certain new and useful improvements in METHOD OF MAKING ACTIVE MAGNETIC REFRIGERANT, COLOSSAL MAGNETOSTRICTION AND GIANT MAGNETORESISTIVE MATERIALS BASED ON Gd-Si-Ge ALLOYS for which application Serial No. 09/793,822 for United States Letters Patent was filed on February 23, 2001; and

WHEREAS, Iowa State University Research Foundation, Inc. hereinafter called "ASSIGNEE", having a place of business at 310 Lab of Mechanics, Ames, Iowa 50011-2131 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable consideration, we the ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representative any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths or declarations, and generally cooperate with said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN WITNESS WHEREOF, we have hereunto set our hands this 16th day of May, 2001.

Signed in the presence of:

Signed: Warl A. GSCHNEIDNER, Jr.

Signed: Hexauctia Perham.

Alexandra O. PECHARSKY

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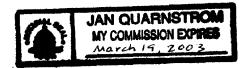
Signed: // Lary L Den Vitalij K. PECHARSKY

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STATE OF IOWA COUNTY OF STORY)ss.

On this 16th day of MAY, 2001 personally appeared before me the above-named Karl A. GSCHNEIDNER, Jr., Alexandra O. PECHARSKY, and Vitalij K. PECHARSKY, to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be their free act and deed in and for the purposes set forth in said instrument.

SEAL



RECORDED: 06/25/2001

Notary Public

March 19, 2003

My Commission expires

PATENT REEL: 011928 FRAME: 0553