

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, Iowa 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:

Jamduarnstrom
Jamduarnstrom
Jamduarnstrom

Signed: Karl A. Gschneidner Jr.
Karl A. GSCHNEIDNER, Jr.

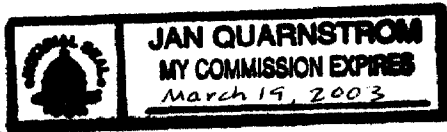
Signed: Alexandra O. Pecharsky
Alexandra O. PECHARSKY

Signed: Vitalij K. Pecharsky
Vitalij K. PECHARSKY

STATE OF IOWA)
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COUNTY OF STORY)

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



Jan Quarnstrom
Notary Public

March 19, 2003
My Commission expires