Assistant Commissioner for Patents: F

 Name of conveying party(ies): James F. Maguire, Ahmed Sidi-Yekhlef, Peter M. Winn

Additional name(s) attached?
Yes
No

- 3. Nature of conveyance: 3 -//-99
 - Assignment
 - Merger
 - Security Agreement
 - □ Change of Name
 - □ Other:

Execution Date: Feb. 2, 1999

4. Application number(s) or patent number(s):
If this document is being filed with a new application, the execution date of the application is:
A. Patent Application No.(s):
B. Patent No.(s):
09/243,142

Additional numbers attached?

Yes
No

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

Gary A. Walpert Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804

- 6. Total number of applications/patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40
 Enclosed
 □ Authorized to charge deposit account
- Deposit account number: 06-1050
 If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.

Phyllis K. Kristal

Name of Person Signing

Signaturé

406

Total number of pages including cover sheet, attachments, and document: 3

Date of Deposit \underline{MMCh} \underline{G} \underline{J} \underline{G} $\underline{$

deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Compriseinger for Patents, Washington, D.C. 20231.

Attorney Docket No.: 05770/076001

nent.

2. Name and address of receiving party(ies): American Superconductor Corporation Two Technology Drive Westborough, MA 01581

Additional names/addresses attached? □ Yes ■ No

PATENT REEL: 9813 FRAME: 0181



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ASSIGNMENT

For valuable consideration, we, James F. Maguire, of Andover MA; Ahmed Sidi-Yekhlef of Framingham, MA; and Peter M. Winn of Framingham, MA; hereby assign to American Superconductor Corporation, a Delaware corporation having a place of business at Two Technology Drive, Westborough, MA, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled Pulse Tube Refrigerator and Current Lead, filed 2/2/99, and assigned U.S. Serial Number $\frac{09/243,142}{09/243,142}$, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal	at <u>Westborough</u> , Massachusetts ,
this 2nd day of February, 1999	
Vac	L.S.
James F. Maguire	
STATE OF MASSACHUSETTS	
COUNTY OF WORCESTER :	
Before me this $\frac{2ma}{2}$ day of $\frac{7}{2}$	<u>ekruary</u> , 19 <u>99</u> , personally appeared
James F. Maguire known to me to be the person w	
and calmounledged that be (she arequited the same of hi	a/bar free act and dood for the nurnesses therein

and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

unga Notary Public

My Commission Expires: April 12, 2002

[Notary's Seal Here]

PATENT REEL: 9813 FRAME: 0182

IN WITNESS WHEREOF, I hereto set my hand and seal at <u>Westborough</u> , Massachusetts
this <u>Jud</u> day of February, 1999
L.S.
Ahmed Sidi-Yekhlf
STATE OF MASSACHUSETTS
COUNTY OF WORCESTER :
Before me this <u>2nd</u> day of <u>thruan</u> , 19 <u>99</u> , personally appeared
Ahmed Sidi-Yekhlef known to me to be the person whose name is subscribed to the foregoing
Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained. $()$
Notary Public
[Notary's Seal Here] My Commission Expires: April 12, 2002
IN WITNESS WHEREOF, I hereto set my hand and seal atWestborough, Massachusetts
this Zeel day of Four why, 1999
L.S.
Peter M. Winn
STATE OF MASSACHUSETTS :
COUNTY OF WORCESTER :: :::::::::::::::::::::::::::::::::
Before me this <u>Ind</u> day of <u>February</u> , 19 <u>99</u> , personally appeared
<u>Peter M. Winn</u> known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.
Notary Public
[Notary's Seal Here] My Commission Expires: April 12, 2002

RECORDED: 03/11/1999