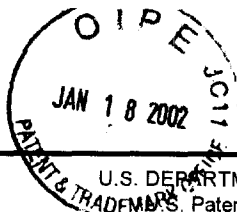


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IEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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

1. Name of conveying party(ies):

Leslie G. Fritzemeier

1.18.02

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: November 16, 2001

2. Name and address of receiving party(ies)

Name: American Superconductor Corporation

Internal Address:

Street Address: Two Technology Drive

City: Westborough State: MA Zip: 01581-1727

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

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/918,395

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Charles R. Nold

Internal Address: Patent Department

Lawrence Berkeley National Laboratory

Street Address: One Cyclotron Road

MS 90B

City: Berkeley State: CA Zip: 94720

6. Total number of applications and patents involved: 1

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

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

120690

(Attach duplicate copy of this page if paying by deposit account)

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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.

Charles R. Nold

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 012505 FRAME: 0685

ASSIGNMENT

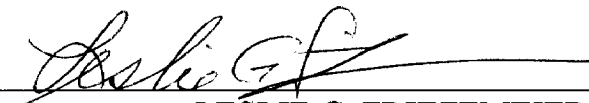
For valuable consideration, I, LESLIE G. FRITZEMEIER of 40 Vincent Road, Mendon, Massachusetts 01756, hereby assign to:

American Superconductor Corporation, a Delaware corporation having a place of business at:

Two Technology Drive  
Westborough, MA 01581-1727; and

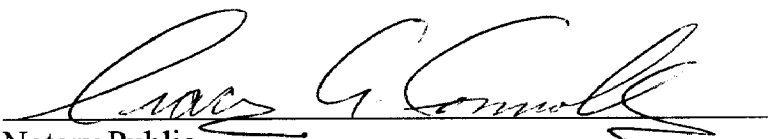
its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled ION TEXTURING METHODS AND ARTICLES, filed July 30, 2001, and assigned U.S. Serial Number 09/918,395, and I 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 I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my 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 Westborough, Massachusetts,  
this 29<sup>th</sup> day of November, 2001

  
\_\_\_\_\_  
LESLIE G. FRITZEMEIER L.S.

State of Massachusetts :  
: ss.  
County of Worcester :

Before me this 29<sup>th</sup> day of November, 2001, personally appeared  
LESLIE G. FRITZEMEIER known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

**TRACY A. CONNOLLY**  
**NOTARY PUBLIC**  
My Commission Expires Oct 8, 2004

[Notary's Seal Here]