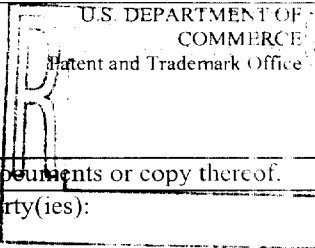


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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
James A. Fife  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Name and address of receiving party(ies):  
 Name: Cabot Corporation  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Street Address: 75 State Street  
 \_\_\_\_\_  
 City: Boston State: MA ZIP: 02109

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

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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date(s): 10/28/99

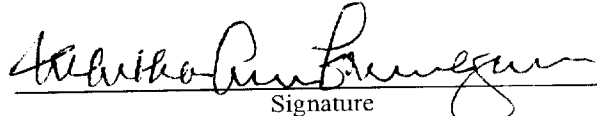
4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is:  
 A. Patent Application No.(s)  
09/310,322  
 Additional numbers attached?  Yes  No

B. Patent No.(s)  
 Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Martha Ann Finnegan  
 Internal Address: Law Department  
 Street Address: Cabot Corporation  
157 Concord Road  
 City: Billerica State MA ZIP 01821

Total Number of applications and patents involved: 1  
 Total fee (37 CFR 3.41): \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
 8. Deposit Account Number: 03-0060  
 Duplicate Copy of this page is attached.

DO NOT USE THIS SPACE

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.*  
Martha Ann Finnegan  2 Nov 99  
 Name of Person Signing Signature Date  
 Total number of pages including cover sheet: 1

OMB No. 0651-0011 Do not detach this portion:  
 Mail documents to be recorded with required cover sheet information to:  
 (11/08/1999 DNGUYEN 00000325 030060 09310322) Commissioner of Patents and Trademarks  
 01 FC:581 40.00 CH Box Assignments  
 Washington, D.C. 20231  
 I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Assignment Assistant Commissioner for Patents, Washington, D. C. 20231, on the date appearing below.  
 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U. S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231 and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

We, **KURT A. HABECKER**, citizen of the United States of America, residing at 102 Timberline Drive, Douglassville, Pennsylvania 19518; and **JAMES A. FIFE**, citizen of the United States of America, residing at 642 East Flint Lake Court, Apt. H, Myrtle Beach, South Carolina 29579; respectively, having invented the subject matter described in U.S. Patent Application entitled "**HIGH CAPACITANCE NIOBIUM POWDERS AND ELECTROLYTIC CAPACITORS ANODES**", the specification of which was filed on May 12, 1999, in the United States Patent and Trademark Office, as Serial No. 09/310,322, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, hereby sell, assign, and transfer to **Cabot Corporation**, a Delaware corporation, having a principal place of business at 75 State Street, Boston, Massachusetts 02109-1806, its successors and assigns, the entire right, title and interest in and to said application and the invention therein contained, including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States of America and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent and all rights in any applications therefor. We further sell, assign and transfer to **Cabot Corporation** all right, title, and interest in any and all corresponding divisional, renewal, substitute, and continuation applications, and all corresponding reexamination and reissue certificates.

We hereby represent and warrant that there are no rights or interests inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interest granted herein, and we, **KURT A. HABECKER, JAMES A. FIFE**, bind ourselves and our respective heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to **Cabot Corporation**, its successors and assigns, any further documents or instruments and do any and all further acts that may reasonably be deemed necessary by **Cabot Corporation**, to enable **Cabot Corporation**, its successors and assigns to file applications for the invention in any country where it may elect to file such applications, and that may be necessary to vest in **Cabot Corporation**, its successors and assigns, the title herein conveyed or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

And we further covenant and agree, in consideration of the premises, that we and our respective heirs, executors, administrators and legal representatives, as the case may be, will at any time, upon request, communicate to **Cabot Corporation**, its successors and assigns, any facts relating to the invention and the improvements contained therein and the history thereof, known to us or our respective heirs, executors, administrators and legal representatives, as the case may be, and that we will testify as to the same in

any interference or other litigation when requested so to do by **Cabot Corporation**, its successors and assigns.

IN TESTIMONY WHEREOF, I, **KURT A. HABECKER**, has hereunto set my hand this \_\_\_\_ day of October 1999.

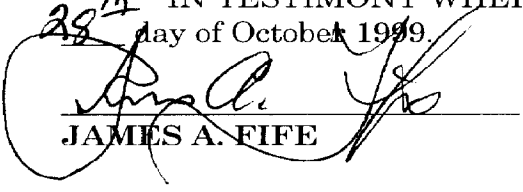
**KURT A. HABECKER**

COMMONWEALTH OF )  
COUNTY OF )

On this \_\_\_\_ day of October 1999 before me personally appeared **KURT A. HABECKER**, to me known and known to me to be the individual described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the purpose therein set forth.

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires:

<sup>28<sup>th</sup></sup> IN TESTIMONY WHEREOF, I, **JAMES A. FIFE**, has hereunto set my hand this ~~1~~ day of October 1999.

  
\_\_\_\_\_  
**JAMES A. FIFE**

COMMONWEALTH OF *South Carolina, Myrtle Beach*  
COUNTY OF *Horry,* )

On this <sup>28<sup>th</sup></sup> day October 1999 before me personally appeared **JAMES A. FIFE**, to me known and known to me to be the individual described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the purpose therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires:  
**My Commission Expires: May 6, 2002**