Form PTO-1595	U.S. DEPARTMENT OF COMMERCE
06-12-	1998 Patent and Trademark Office HEET
To the Honorable Commissioner of	attached original documents or copy thereof.
1. Name of conveying party(ies): 100737 Robert S. Whitehouse	634 ress of receiving particles EIVE
Russell L. Warley	Name: Cabot Composition
Thimma R. Rawalpally	11-51
Hairuo Tu	-
Tamituv Tu	Internal Address: Law Department
	THOUSE TRANSCOOK
Q	
Additional name(s) of conveying party(ies) attached? No	Street Address: 75 State Street
3. Nature of Conveyance:	
S	City: Boston State: MA ZIP 02109
Security Agreement Change of Name	
Other	Additional name(s) & address(es) attached? Yes No
Other Execution Date(s): April 14 & 24, 1998; and May 1, 1998	
1998	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new applica	tion, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
••	2. 1 41440 1.07(0)
08/968,299	
Additional numbers attached? Yes No	Additional numbers attached? Yes No
5. Name and address of party to whom correspondence	Total Number of applications and patents involved: 1
concerning document should be mailed:	
Name: James A. Cairns	4
Internal Address: Law Department	Total fee (37 CFR 3.41): \$ 40.00
	Enclosed
Street Address: Cabot Corporation	Authorized to be charged to deposit account
City: Billerica State MA ZIP 01821	9. Press't Assess 4 Novel 1990 00 00 00
City: Billerica State MA ZIP 01821	8. Deposit Account Number: 03-0060 Duplicate Copy of this page is attached.
DO NOT I	JSE THIS SPACE
9. Statement and signature.	IMA DE INCE
2. Suitament und digitature.	
To the best of my knowledge and belief, the foregoing info	rmation is true and correct and any attached copy is a true copy
of the original document.	, ,,,
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James A. Cairns	" a. Com May 27, 1998
Name of Person Signing (Signature Date
OMD No. 0651 0011	Total number of pages including cover sheet: 5
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/15/1948 BMG))PM (RROCKOCI VOVVOV VYVVVV)	Patents and Trademarks Assignments

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. 2020, and touch of Systems and Pudget Papenwork Reduction

ASSIGNMENT

We, ROBERT S. WHITEHOUSE, citizen of the United Kingdom, residing at 159 Reed Street, Lexington, Massachusetts 02174; RUSSELL L. WARLEY, citizen of the United States of America, residing at 796 Pasadena Drive, Erie, Pennsylvania 16505; THIMMA R. RAWAPALLY, citizen of India, residing at 3313 Trenton Street, Florence, South Carolina 29501; and HAIRUO TU, citizen of China, residing at 7 Brookside Lane, Burlington, Massachusetts 01802; respectively, having invented the subject matter described in U.S. Patent Application entitled "A PARTICLE HAVING AN ATTACHED STABLE FREE RADICAL AND METHODS OF MAKING THE SAME", the specification of which was filed on November 12, 1997, in the United States Patent and Trademark Office, as Serial No. 08/968,299 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, ROBERT S. WHITEHOUSE, RUSSELL L. WARLEY, THIMMA R. RAWAPALLY, and HAIRUO TU 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 or 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.

Page 1 of 3

IN TESTIMONY WHEREOF, I, ROBERT S this /4/th /day of ///	. WHITEHOUSE, have hereunto set my hand , 1998
Kobert & histories	
ROBERT S. WHITEHOUSE	
COMMONWEALTH OF MASSACHUSETTS)	
COUNTY OF MIDDLESEX)	
On this	ment, and who duly acknowledged to me that
	NOTARY PUBLIC My Commission Expires: 12-16-99
	NOTARY PUBLIC
	My Commission Expires: 12-76-77
IN TESTIMONY WHEREOF, I, RUSSELL 1, 199 THUMP WARLEY	L. WARLEY, have hereunto set my hand this 8.
STATE OF PENNSYLVANIA) COUNTY OF Ene)	
On this 24 day Could RUSSELL L. WARLEY, to me known and known to executed the foregoing instrument, and who duly a for the purpose therein set forth.	
MCAARON 1.13 CARON - 141 Punko	NOTARY PUBLIC My Commission Expires:

Page 2 of 3

this May of May 1998.	reunto set my hand
Thimma Raurapally	
THIMMA R. RAWAPALLY	
STATE OF SOUTH CAROLINA) COUNTY OF FLORENCE)	
On this day of 1998, before me pers THIMMA R. RAWAPALLY, to me known and known to me to be the individ who executed the foregoing instrument, and who duly acknowledged to me to same for the purpose therein set forth.	ual described in and
NOTARY PUBLIC My Commission Expires: My Commission Expires January 31, 2007	dans
IN TESTIMONY WHEREOF, I, HAIRUO TU, has hereunto set my hand 1998. HATRUO TU	this $/4$ day of
COMMONWEALTH OF MASSACHUSETTS) COUNTY OF MIDDLESEX	
On this	n and who executed
NOTARY PUBLIC My Commission Expires:	· · · · · ·

Page 3 of 3