22	et No.: 01-7205-146
FORM P10-1393 (Modified) RECC	07 - 2003 U.S. DEPARTMENT OF COMMERCE
(Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08/REV03	Patent and Trademark Office
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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): 2-5-03 Ming Luo Lawrence J. DeLucas	2. Name and address of receiving party(ies) Name: The UAB Research Foundation
	Internal Address:
Additional names(s) of conveying party(ies)	
3. Nature of conveyance:	
★ Assignment	Street Address: 701 South 20th Street
☐ Security Agreement ☐ Change of Name	Suite 1120-G
☐ Other	City: Birmingham State: AL ZIP: 35294
Execution Date: April 19, 1999	Additional name(s) & address(es) attached? Yes No
If this document is being filed together with a new application, A. Patent Application No.(s)	B. Patent No.(s) 6,447,991
Additional numbers attac	hed? 🔲 Yes 🛛 No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: John E. Wagner, Reg. No. 17,496	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address:	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
	☐ Authorized to be charged to deposit account
Street Address: 3541 Ocean View Boulevard	8. Deposit account number:
	23-0083
City: Glendale State: CA ZiP: 91208	(Attach duplicate copy of this page if paying by deposit account)
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og \$2003 DBYRNE 00000058 6447991 Statement and signature. 01 FEBBL best of my knowledge and belief, the foregoing information of the original document.	
John E. Wagner	- 2. War Jan 29, 2003
Name of Person Signing Total number of pages including cover sheet, attachments, and document: 7 Date	
Mail documents to be recorded with required cover sheet information to:	

ASSIGNMENT

WHEREAS, the undersigned, Ming Luo, of 1659 Crossgate Dr., Birmingham, AL 35216 and Lawrence J. DeLucas, of 2739 Altadena Rd., Birmingham, AL 35243, together with Charles E. Daitch, and L. Roger Mason, Jr. whose addresses are 1400 Key Blvd., Suite 700, Arlington, VA, 22209, and Jack S. Brenizer, Bouvard Hosticka and Pamela M. Norris, whose addresses are 1224 West Main Street, Suite 1-110, Charlottesville, VA 22903, have invented certain new and useful improvements in SMART AEROGEL for which an application serial no. 09/222,068 for United States Letters Patent was filed on December 29, 1998;

WHEREAS, the above identified persons Ming Luo and Lawrence J. DeLucas verily believe themselves to be original first co-inventors of the invention (along with Charles E. Daitch, L. Roger Mason, Jr., Jack S. Brenizer, Bouvard Hosticka and Pamela M. Norris) set forth in said application for Letters Patent;

WHEREAS, The UAB Research Foundation, an Alabama non-profit corporation, located at 701 S. 20th Street, Suite 1120-G, Birmingham, AL 35294-0111, is desirous of acquiring all of Ming Luo and Lawrence J. DeLucas' rights, title, and interest in and to said invention and all of their rights in Letters Patents granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other valuable consideration paid to the undersigned Ming Luo and Lawrence J. DeLucas, receipt whereof is hereby acknowledged, the undersigned do hereby assign, transfer and set over to The UAB Research Foundation, their entire right, title, and interest in and to said invention and all improvements therein and all Letters Patent which may be granted therefor throughout the world, including the right to file direct foreign applications under the provisions of International Conventions directly in the name of the assignee, or any company of its choice.

The undersigned Ming Luo and Lawrence J. DeLucas hereby agree that upon request and without further compensation, but at no expense to the undersigned, they will do all lawful acts,

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including the timely execution of papers and the giving of testimony that may be necessary or desirable for obtaining, sustaining, reissuing and renewing United States Letters Patent and foreign Letters Patent for said invention and all improvements therein, and for perfecting and maintaining the title of assignees and their successors to said invention, and particularly in cases of interference and litigation.

The undersigned Ming Luo and Lawrence J. DeLucas hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Ming Luo

Lawrence J. DeLucas

Witness: Marine M. Kick Syr. 19, 19

RECORDED: 02/05/2003

ATTACH NOTARY CERTICATE

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REEL: 013718 FRAME: 0498