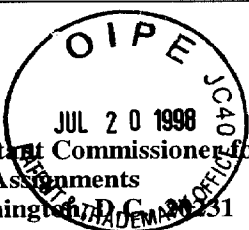


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RECORD A

05-31-2000



Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20531



101369623

Attorney Docket No. 4070-144 UTL11

<p>1. A. Name of conveying party(ies): George R. Brandes</p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. A. Name and address of receiving party(ies): Advanced Technology Materials, Inc. 7 Commerce Drive Danbury, Connecticut 06810</p> <p>B. Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____</p> <p>B. Execution Date: <u>June 17, 1998</u></p>			
<p>4. A. If this document is being filed together with a new application, the execution date of the application is: _____</p> <p>B. Patent Application No.(s) _____ C. Patent No.(s) _____</p> <p>D. Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven J. Hultquist Address: Intellectual Property/Technology Law P.O. Box 14329 Research Triangle Park, NC 27709</p>		<p>7. A. Total fee (37 CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Enclosed (Check No. 5190) in the amount of \$105.00 includes \$65.00 surcharge for delayed filing) <input type="checkbox"/> Authorized to be charged to deposit account No.</p>	
<p>6. Total number of applications and patents involved: <u>1</u></p>		<p>8. Credit any overpayment or charge any underpayment to Deposit Account Number 08-3284 of Intellectual Property/Technology Law.</p>	
DO NOT USE THIS SPACE			
<p>9. Statement and signature. <i>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.</i></p> <p>_____ Steven J. Hultquist Registration No. 28,021</p> <p style="text-align: right;">Date: <u>20 July 1998</u></p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: 3</p>			

7/23/1998 ENTIRE  
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# ASSIGNMENT

I have made an invention which is described in U.S. Application No. 09/080,895 filed May 18, 1998 in the United States Patent and Trademark Office entitled:

“Laser System Utilizing Sorbent-Based Gas Storage and Delivery System”

I assign to Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, Connecticut all of my ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (ii) U.S. Patents on the invention; and
- (iii) corresponding foreign patent applications and patents.

I am making this assignment based on my employment relationship with Advanced Technology Materials, Inc.

I request the Commissioner of Patents and Trademarks of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

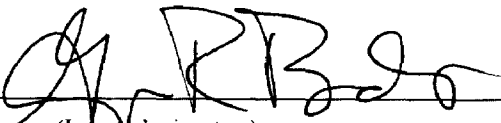
Advanced Technology Materials, Inc.

I agree to execute any other legal documents that may be required to effectuate this Assignment.

I agree that I will promptly communicate to Advanced Technology Materials, Inc. all facts which come to my attention affecting the invention or patent rights.

I agree that I will testify in any interference or litigation involving the invention or patent rights.

I declare that I have not done anything in conflict with this Assignment.

  
(Inventor's signature)

6/17/98  
Date

Inventor's name: George R. Brandes

*State of Connecticut*

*County of Fairfield*

George R. Brandes appeared before me on June 17, 1998. He declared to me that he is the person described in this Assignment. He executed this Assignment before me, and declared that his execution was completely voluntarily.

  
Notary Public

(SEAL)

My commission expires: 4-30-02