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Docket No.: 99-080 CIP

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp.5/31/2002)  
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SHEET

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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):  
**ADVANCED SEPARATION TECHNOLOGIES,  
INCORPORATED**  
  
10-4-01  
  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
  
Name: CALGON CARBON CORPORATON  
Internal Address: \_\_\_\_\_  
  
Street Address: 500 Calgon Carbon Drive  
  
City: Pittsburgh State: PA ZIP: 15205  
  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
  
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Execution Date: October 4, 2001

4. Application number(s) or patent numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
  
A. Patent Application No.(s)  
  
B. Patent No.(s)  
4,764,276  
OCT - 4 2001  
  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: Gerald J. Iwanejko, Jr.  
  
Internal Address: Cohen & Grigsby, P.C.  
10/12/2001 TDI/21 00000111 4764276  
01 FD:08 40.00  
  
Street Address: 11 Stanwix Street, 15th Floor  
  
City: Pittsburgh State: PA ZIP: 15222

6. Total number of applications and patents involved: **1**  
  
7. Total fee (37 CFR 3.41):.....\$ 40.00  
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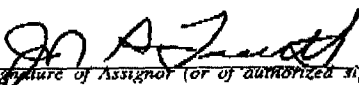
9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
  
Gerald J. Iwanejko Jr.  
  
Name of Person Signing

October 4, 2001  
Date

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
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**PATENT**  
**REEL: 012232 FRAME: 0204**

<b>Assignment of United States Patent (Single assignor; single assignee)</b>			<b>Docket No. 99-080 CIP</b>
<b>U.S. Patent No. 4,764,276</b>	<b>Issue Date 08/16/88</b>	<b>Application Serial No. 713,492</b>	<b>Filing Date 03/19/85</b>
<b>Title of Invention: DEVICE FOR CONTINUOUS CONTACTING OF FLUIDS AND SOLIDS</b>			
<b>Owner of Record (hereinafter "Assignor")</b>		<b>Residence or Principal Place of Business of Assignor</b>	
<b>ADVANCED SEPARATION TECHNOLOGIES, INCORPORATED</b>		<b>St. Petersburg, Florida United States of America</b>	
<b>Assignee</b>		<b>Residence or Principal Place of Business of Assignee</b>	
<b>CALGON CARBON CORPORATION</b>		<b>500 Calgon Carbon Drive Pittsburgh, Pennsylvania 15205 United States of America</b>	
<p><i>Whereas, the above-identified Assignor is the sole owner of record of the above-identified United States Patent, and;</i></p> <p><i>Whereas, the above-identified Assignee is desirous of acquiring the entire right, title and interest in the same;</i></p> <p><i>Now, therefore, in consideration of the sum of one dollars (\$ 1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, Assignor, by these presents does sell, assign and transfer unto said Assignee the entire right, title and interest in and to said Patent; the same to be held and enjoyed by said Assignee for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which said Patent is granted, as fully and entirely as the same would have been held by Assignor had this assignment not been made.</i></p> <p><i>Executed this 4th day of October, in the year 2001</i></p> <p><i>at Pittsburgh, Pennsylvania, United States of America</i></p> <div style="text-align: right;">   <i>Signature of Assignor (or of authorized signatory if Assignor is a corporation, partnership or association)</i>  <b>Vice President &amp; Secretary</b> </div> <p><i>State of</i></p> <p><i>County of</i></p> <p><i>Before me personally appeared</i>  <i>who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this</i>      <i>day of</i>      <i>, in the year</i></p> <p style="text-align: center;"><i>(Notary Public)</i></p>			