

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>   |                                   |
| <b>Name</b>   | <b>Execution Date</b>             |
| HNA Holdings, Inc. (Formerly Hoechst Celanese Corporation)  | 12/31/1998                        |
| <b>RECEIVING PARTY DATA</b>   |                                   |
| <b>Name:</b>  | AQF Technologies LLC              |
| <b>Street Address:</b>  | 13319-A Carowinds Blvd.           |
| <b>City:</b>  | Charlotte                         |
| <b>State/Country:</b>   | NORTH CAROLINA                    |
| <b>Postal Code:</b>   | 28232-9973                        |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                   |
| <b>Property Type</b>  | <b>Number</b>                     |
| Patent Number:  | 5674339                           |
| <b>CORRESPONDENCE DATA</b>  |                                   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 25651-0023001                     |
| <b>NAME OF SUBMITTER:</b>   | Lynette F. Clark                  |
| <b>Total Attachments: 2</b><br>source=25651-0023001 Assignment#page1.tif<br>source=25651-0023001 Assignment#page2.tif |                                   |

CH \$40.00 5674339

ASSIGNMENT OF PATENT RIGHTS

WHEREAS, HOECHST CELANESE CORPORATION, a corporation of the State of Delaware, USA having an office at Route 202-206 North, Somerville, NJ 08876 is the owner of

the entire right, title and interest in and to an Invention disclosed, shown and described in an Application for Letters Patent of the United States entitled FIBROUS STRUCTURE CONTAINING IMMOBILIZED PARTICULATE MATTER AND PROCESS THEREFOR, applied for by Herbert Gunter Groeger, George Allibone Serad and Clinton Dale Felton on November 18, 1992 and having Serial No. 07/977,995, and having been acquired through an assignment recorded in the United States Patent and Trademark Office on January 25, 1993, at Reel 6422, Frame 0102, and is as a result of such ownership,

the owner of U.S. Patent No. 5,674,339, which issued on October 7, 1997 and was filed as U.S. Serial No. 08/284,867 on August 2, 1994 as a division of such Application, and also

the owner of U.S. Serial No. 08/922,800 filed on September 3, 1997 as a continuation of U.S. Serial No. 08/284,867, and also

the owner of PCT/US93/11062, which was filed on November 15, 1993 claiming priority of such Application, and was published as WO 94/11556 on May 26, 1994, and also

the owner of EP 669 993, which was granted on December 29, 1997 based on EP Serial No. 94901505.1 based on PCT/US93/11062, and also

the owner of EP 825 286, which was published on February 25, 1998 and filed as divisional EP Serial No. 97117288.7 based on EP Serial No. 94901505.1, and also

the owner of a European Patent in Germany which has been accorded DE 693 16 027 on German Serial No. 693 16 027.6 and published on May 14, 1998, and is based on EP 669 993, and also

the owner of a European Patent in Italy based on EP 669 993, and also

the owner of a European Patent in the United Kingdom based on EP 669 993, and also

the owner of a European Patent in France based on EP 669 993, and also

the owner of Japanese Patent No. 2 818 693, which was published on October 30, 1998 based on Japanese Serial No. 512431/94 based on PCT/US93/11062; and is also

the owner of any and all trade secrets necessary to practice said Invention and known by Herbert Gunter Groeger, George Allibone Serad and Clinton Dale Felton individually and collectively;

WHEREAS, HOECHST CELANESE CORPORATION has changed its name to HNA HOLDINGS, INC. by certificate filed January 2, 1998, in the Office of the Secretary of State of the State of Delaware;

WHEREAS, AQF Technologies LLC, a Delaware limited liability company having a business address of 13319-A Carowinds Blvd., Charlotte, NC 28273 ("ASSIGNEE"), is desirous of acquiring

the entire right, title and interest in and to said Invention and the foregoing patent applications and patents, in furtherance of certain prior agreements;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, HNA HOLDINGS, INC. does hereby sell, assign and transfer unto ASSIGNEE, its legal representatives, successors and assigns, the entire right, title and interest in and to said Invention for the United States and all foreign countries, and in and to such Application and any and all other applications for Letters Patent which have been or may be filed on said Invention, and in and to any and all priority rights generated by the filing of such Application and said other applications, and in and to any and all patents which have been or may be granted on such Application and said other applications, including any continuations, substitutions, divisions, reissues or renewals thereof, and including in and to said U.S. Serial No. 07/977,995 (the Application), and in and to said U.S. Patent No. 5,674,339, and in and to said U.S. Serial No. 08/922,800, and in and to said PCT/US93/11062, and in and to said EP 669 993 and said EP Serial No. 94901505.1, and in and to said EP 825 286 and said divisional EP Serial No. 97117288.7, and in and to said European Patent in Germany and said German Serial No. 693 16 027.6, and in and to said European Patents in Italy, United Kingdom and France, and in and to said Japanese Patent No. 2818693 and said Japanese Serial No. 512431/94, and including in and to any and all priority rights generated by the filing of said U.S. Serial No. 07/977,995, of said U.S. Serial No. 08/922,800, of said PCT/US93/11062, of said EP Serial No. 94901505.1, of said divisional EP Serial No. 97117288.7, and of said Japanese 512431/94, and including in and to said any and all trade secrets, ASSIGNEE to have and hold for its interest, its own use and behalf, the rights and interests herein assigned as fully and entirely as the same would have been held by HNA HOLDINGS, INC. had this Assignment not been made.

HNA HOLDINGS, INC. covenants not to have executed and that it will not execute any assignment of the properties identified herein in conflict herewith.

THIS ASSIGNMENT shall be binding upon the successors, legal representatives and assigns of HNA HOLDINGS, INC.

IN WITNESS WHEREOF this Assignment has been executed and has an effective date of December 31, 1998.

HNA HOLDINGS, INC.

By: Vernon G. Baker, II  
Vernon G. Baker, II  
Title: Assistant Secretary

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