

## PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE:  | NEW ASSIGNMENT                              |                |                     |            |              |            |  |
|---|---|----------------|---------------------|------------|--------------|------------|--|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                                  |                |                     |            |              |            |  |
| CONVEYING PARTY DATA  |   |                |                     |            |              |            |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Juergen Freisinger</td><td>09/16/2008</td></tr><tr><td>Mario Rieger</td><td>08/04/2008</td></tr></tbody></table> | Name  | Execution Date | Juergen Freisinger  | 09/16/2008 | Mario Rieger | 08/04/2008 |  |
| Name  | Execution Date                              |                |                     |            |              |            |  |
| Juergen Freisinger  | 09/16/2008                                  |                |                     |            |              |            |  |
| Mario Rieger  | 08/04/2008                                  |                |                     |            |              |            |  |
| RECEIVING PARTY DATA  |   |                |                     |            |              |            |  |
| Name:   | MANN+HUMMEL GMBH                            |                |                     |            |              |            |  |
| Street Address:   | Hindenburgstr. 45                           |                |                     |            |              |            |  |
| City:   | Ludwigsburg                                 |                |                     |            |              |            |  |
| State/Country:  | FEDERAL REPUBLIC GERMANY                    |                |                     |            |              |            |  |
| Postal Code:  | 71638                                       |                |                     |            |              |            |  |
| PROPERTY NUMBERS Total: 1   |   |                |                     |            |              |            |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12178958</td></tr></tbody></table>  | Property Type                               | Number         | Application Number: | 12178958   |              |            |  |
| Property Type   | Number                                      |                |                     |            |              |            |  |
| Application Number:   | 12178958                                    |                |                     |            |              |            |  |
| CORRESPONDENCE DATA   |   |                |                     |            |              |            |  |
| Fax Number:   | (248)857-8501                               |                |                     |            |              |            |  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |   |                |                     |            |              |            |  |
| Phone:  | 11497141 98                                 |                |                     |            |              |            |  |
| Email:  | patentmanagement@mann-hummel.com            |                |                     |            |              |            |  |
| Correspondent Name:   | Mann+Hummel GMBH, Dept: VR-P Plant 5.4      |                |                     |            |              |            |  |
| Address Line 1:   | Hindenburgstr. 45                           |                |                     |            |              |            |  |
| Address Line 4:   | Ludwigsburg, FEDERAL REPUBLIC GERMANY 71638 |                |                     |            |              |            |  |
| ATTORNEY DOCKET NUMBER:   | VSS2834/US                                  |                |                     |            |              |            |  |
| NAME OF SUBMITTER:  | James R. Hasselbeck                         |                |                     |            |              |            |  |
| Total Attachments: 4<br>source=fassign#page1.tif<br>source=fassign#page2.tif<br>source=rassign#page1.tif  |   |                |                     |            |              |            |  |

CH \$40.00 12178958

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PATENT  
REEL: 021647 FRAME: 0801



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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

Juergen Freisinger; Seestrasse 8, Affalterbach 71563, Germany

has/have invented certain new and useful improvements in an invention entitled **COMPACT FILTER** for which an application for United States Letters Patent will be filed; and


WHEREAS, MANN+HUMMEL GMBH, a corporation organized under the laws of the Federal Republic of Germany, having a place of business at Hindenburgstr. 45, 71638 Ludwigsburg/GERMANY, hereinafter referred to as "assignee, is desirous of acquiring the full and exclusive right, title and interest in and to said application inclusive of any and all priority rights derived therefrom and the inventions therein disclosed, and in and to all Letters Patent, both United States and foreign, to be granted for said inventions;

NOW, THEREFORE, for a valuable consideration, the receipt whereof is hereby acknowledged, I/WE, ASSIGNOR(S) does/do hereby confirm sale, assignment, transfer, and set over, and hereby sell, assign, transfer, and set over unto the ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest in and to the aforesaid application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the invention therein disclosed, and in and to all Letters Patent and issues thereof which may be granted upon said application and in and to all Letters Patent which may be issued upon any substitutes, divisions, or continuations of said application, and in and to any and all Letters Patent which may be granted for said inventions in any foreign country or countries; the same to be held and enjoyed by the ASSIGNEE for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent and reissues thereof may be granted as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made;

AND I/WE, ASSIGNOR(S) hereby agrees/agree to execute, upon request, any and all further papers which may be necessary or desirable to enable the ASSIGNEE, its successors and assigns, to file and prosecute said application, and any and all substitutes, divisions, or continuations thereof, and any and all reissues of the Letters Patent granted upon said application, or upon any substitutes, divisions, or continuations thereof, and any and all applications for foreign Letters Patent on said invention; and ASSIGNOR(S) further agrees/agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of ASSIGNEE, its successors and assigns, in and to said application and the inventions therein disclosed, and in and to any and all Letters Patent and reissues thereof, both United States and foreign, which may be granted upon said application, and any substitutes, divisions, or continuations thereof, and upon any foreign applications,

AND I/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/request The Commissioner of Patents to issue each and every Letters Patent to be granted upon the aforesaid application for United States Letters Patent, and upon any and all substitutes, divisions, and continuations of said application, and each and every reissue of said Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

  
Jürgen Freisinger  
Seestrasse 8  
Affalterbach 71563  
Germany

Date: 16. Sept. 2008

### WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Mario Rieger; Am Altnekar 12, Freiberg 71691, Germany

has/have invented certain new and useful improvements in an invention entitled **COMPACT FILTER** for which an application for United States Letters Patent will be filed; and

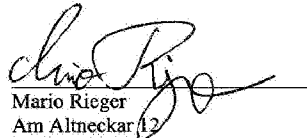
WHEREAS, MANN+HUMMEL GMBH, a corporation organized under the laws of the Federal Republic of Germany, having a place of business at Hindenburgstr. 45, 71638 Ludwigsburg/GERMANY, hereinafter referred to as "assignee, is desirous of acquiring the full and exclusive right, title and interest in and to said application inclusive of any and all priority rights derived therefrom and the inventions therein disclosed, and in and to all Letters Patent, both United States and foreign, to be granted for said inventions;

NOW, THEREFORE, for a valuable consideration, the receipt whereof is hereby acknowledged, I/WE, ASSIGNOR(S) does/do hereby confirm sale, assignment, transfer, and set over, and hereby sell, assign, transfer, and set over unto the ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest in and to the aforesaid application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the invention therein disclosed, and in and to all Letters Patent and issues thereof which may be granted upon said application and in and to all Letters Patent which may be issued upon any substitutes, divisions, or continuations of said application, and in and to any and all Letters Patent which may be granted for said inventions in any foreign country or countries; the same to be held and enjoyed by the ASSIGNEE for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent and reissues thereof may be granted as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made;

AND I/WE, ASSIGNOR(S) hereby agrees/agree to execute, upon request, any and all further papers which may be necessary or desirable to enable the ASSIGNEE, its successors and assigns, to file and prosecute said application, and any and all substitutes, divisions, or continuations thereof, and any and all reissues of the Letters Patent granted upon said application, or upon any substitutes, divisions, or continuations thereof, and any and all applications for foreign Letters Patent on said invention; and ASSIGNOR(S) further agrees/agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of ASSIGNEE, its successors and assigns, in and to said application and the inventions therein disclosed, and in and to any and all Letters Patent and reissues thereof, both United States and foreign, which may be granted upon said application, and any substitutes, divisions, or continuations thereof, and upon any foreign applications.

AND I/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/request The Commissioner of Patents to issue each and every Letters Patent to be granted upon the aforesaid application for United States Letters Patent, and upon any and all substitutes, divisions, and continuations of said application, and each and every reissue of said Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

  
Mario Rieger  
Am Altneckar 12  
Freiberg 71691  
Germany

Date: 4.8.2008

Page 2 of 2