

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>Jochen Linhart</td> <td>07/31/2013</td> </tr> <tr> <td>Frank Ehlen</td> <td>08/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jochen Linhart	07/31/2013	Frank Ehlen	08/05/2013				
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Frank Ehlen	08/05/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Mann+Hummel GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Hindenburgstr. 45</td> </tr> <tr> <td>City:</td> <td>Ludwigsburg</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>71638</td> </tr> </table>		Name:	Mann+Hummel GmbH	Street Address:	Hindenburgstr. 45	City:	Ludwigsburg	State/Country:	GERMANY	Postal Code:	71638
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 497141984316 Email: patentmanagement@mann-hummel.com Correspondent Name: Mann+Hummel GMBH Department LC-IP, Plant Address Line 1: Hindenburgstr. 45 Address Line 4: Ludwigsburg, FEDERAL REPUBLIC GERMANY 71638											
ATTORNEY DOCKET NUMBER:	3883/US 38130/DPF										
NAME OF SUBMITTER:	Christin Hauch-Bachmann										
Signature:	/Christin Hauch-Bachmann/										
Date:	08/07/2013										

CH \$40.00 13951395

Total Attachments: 8

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3883/US

13/951,395

WORLDWIDE ASSIGNMENT

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

Jochen Linhart, Kurt-Vollmer-Ring 23, 71409 Schwaikheim, Germany
Frank Ehlen, Friedhofstr. 33, 66540 Neunkirchen, Germany,

has/have invented certain new and useful improvements in an invention entitled **Ceramic Body Composed of an Aluminum Titanate Mixture** for which an application for United States Letters Patent will be filed; and

WHEREAS, MANN+HUMMEL GMBH, a corporation organized under the laws 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) agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

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.

The undersigned hereby grant(s) the assignee MANN+HUMMEL GMBH the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

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

Worldwide Assignment for Patent Application 13/951,395 (cont'd.) 3883/US

Jochen Linhart
Kurt-Vollmer-Ring 23
71409 Schwaikheim
Germany

Date: _____

Worldwide Assignment for Patent Application 13/951,395 (cont'd.) 3883/US



Frank Ehlen
Friedhofstr. 33
66540 Neunkirchen
Germany

Date: 05/08/2013

3883/US

13/951,395

WORLDWIDE ASSIGNMENT

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

**Jochen Linhart, Kurt-Vollmer-Ring 23, 71409 Schwaikheim, Germany
Frank Ehlen, Friedhofstr. 33, 66540 Neunkirchen, Germany,**

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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

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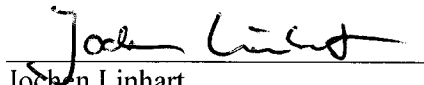
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Jochen Linhart
Kurt-Vollmer-Ring 23
71409 Schwaikheim
Germany

Date: 31. 07. 2013

Worldwide Assignment for Patent Application 13/951,395 (cont'd.) 3883/US

Frank Ehlen
Friedhofstr. 33
66540 Neunkirchen
Germany

Date: _____