

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Barry W. L. Southward</td> <td>03/12/2009</td> </tr> <tr> <td>Curt Ellis</td> <td>03/12/2009</td> </tr> </tbody> </table>		Name	Execution Date	Barry W. L. Southward	03/12/2009	Curt Ellis	03/12/2009
Name	Execution Date						
Barry W. L. Southward	03/12/2009						
Curt Ellis	03/12/2009						
RECEIVING PARTY DATA							
Name:	Umicore AG & CO. KG						
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City:	Hanau-Wolfgang						
State/Country:	FEDERAL REPUBLIC GERMANY						
Postal Code:	63457						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12408411</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12408411		
Property Type	Number						
Application Number:	12408411						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	034166.076						
NAME OF SUBMITTER:	Wilsa N. Martin						
Total Attachments: 2 source=076assig#page1.tif source=076assig#page2.tif							

OP \$40.00 12408411

PATENT

500813434

REEL: 022430 FRAME: 0031

ASSIGNMENT

This Assignment agreement is applicable to an invention entitled:

BASE METAL AND BASE METAL MODIFIED DIESEL OXIDATION CATALYSTS

The PATENT RIGHTS referred to in this agreement are the invention(s) set forth in:

- (check one) a patent application about to be filed in the United States Patent and Trademark Office.
- a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- U.S. Provisional Patent Application No. _____, filed _____
- a U.S. Patent Application No. _____ filed on _____ based on U.S. Provisional Application No. 61/308,879 filed on (date) March 27, 2008;
- U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include the invention(s) set forth in all corresponding provisionals, non-provisionals, divisions, reissues, continuations and extensions of the patent application identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) U.S. patent rights only.
- Worldwide patent rights, including the right of assignee to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is/are the inventor(s) whose signature(s) appears on page 2 of this Assignment.

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) UMICORE AG & CO. KG

(Address) Rodenbacher Chaussee 4, 63457 Hanau-Wolfgang, GERMANY

The ASSIGNEE is:

- (check one) An Individual.
- A Partnership.
- A Corporation of Germany (specify state or country)
- (other) _____

In consideration of the premises hereof, and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, ASSIGNOR(S) hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

- the full and exclusive right to the invention;
- the entire right, title and interest in and to the PATENT RIGHTS;
- the right to sue and recover for any past infringement; and,
- the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: UMICORE AG & CO. KG
034166.076(DP-316440)

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Application Number and filing date in this document after it has been executed.

Barry W. L. Southward

Barry W. L. Southward
Signature

12th MARCH 09
Date

Curt Ellis

Curt Ellis
Signature

3/12/2009
Date