

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Dr. Lutz March Ruwisch
Dr. Ulrich Gobel
Dr. Juliane Theis
Dr. Rainer Domesle

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **Umicore AG & Co. KG**

Internal Address: _____

Street Address: **Rodenbacher Chaussee 4**City: **Hanau**

State: _____

ZIP: **63457**Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: **(1-3) February 11, 2003 and February 13, 2003** **(4)**

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)

10/306,675

Filing Date:

11/27/02

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Tor Smeland, Esq. (Reg. No. 43,131)**Internal Address: **Kalow & Springut LLP**Street Address: **488 Madison Avenue****19th Floor**City: **New York**State: **NY**ZIP: **1002**

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ **40.00**☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

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11-0171

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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.

Tor Smeland, Esq.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **5** **PATENT**

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PATENT

Docket No. 13358

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, Dr. Lutz Marc Ruwisch, a citizen of Germany, residing at Am Eichbaumeck 6, 64295 Darmstadt, Germany; Dr. Ulrich Göbel, a citizen of Germany, residing at Rathausstrasse 14, 65795 Hattersheim, Germany; Dr. Juliane Theis, a citizen of Germany, residing at Kardinal-Döpfner-Strasse 11, 63791 Karlstein, Germany; and Dr. Rainer Domesle, a citizen of Germany, residing at Rannenbergring 56, 63755 Alzenau-Kälberau, Germany.

Hereby sell, assign and transfer to OMG AG & Co. KG having a place of business at Rodenbacher Chaussee 4, D-63457, Hanau, Germany, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions that are disclosed and claimed, and any and all inventions that are disclosed but not claimed, in the application for United States Patent, Patent Application Serial No. 10/306, 675 filed on November 27, 2002 that is entitled:

Catalyst for Lowering the Amount of Nitrogen Oxides in the Exhaust Gas from Lean Burn Engines

and patent applications that bear similar titles that are pending as the following patent applications, in the following countries and regions:

COUNTRY/REGION	APPLICATION NO.
Brazil	PI0207597-0
Canada	2413171
China	02154300.3
Japan	2002-349272
Korea	10-2002-0075382
Russia	2002132202
South Africa	2000/9686
United States	10/306,675

PATENT
REEL: 014370 FRAME: 0644

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and in and to said applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patents or other related property rights in any and all countries that have been or shall be filed on any of said inventions disclosed in any of said applications; and in and to all original and reissued patents or related documents that have been or shall be issued on said inventions including but not limited to those applications identified above and any patent application in any country that claims priority to one or more of the applications identified above;

Authorize and request the Patent Offices of the respective countries to issue to said Assignee, the company above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all Letters Patent on said inventions or any of said inventions disclosed in said applications;

Agree that said Assignee may apply for and receive Letters Patents or rights of any other kind for said inventions, or any of them in any country; and may claim, in applications for Letters Patent or other rights, the priority of any of the aforementioned patent applications under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successor, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible that said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

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Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNORS**Dr. Lutz Marc Ruwisch**Date: 11. Feb. 2003By: 

Signature

Witness: Nicholas ScholtzWitness: Wolfgang J. P.Date: 11/2/2003Date: 11 / 2 / 2003Address: Florianweg 38
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Signature

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63575 Birkelbach**PATENT****REEL: 014370 FRAME: 0646**

Applicants: Ruwisch *et al.*
Application No.: 10/306,675
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