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Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
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1. Name of conveying party(ies)**Degussa AG**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**2. Name and address of receiving party(ies)**Name: **UMICORE AG & CO. KG**

Internal Address: _____

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

State: _____

Country: **Germany** Zip: **D-63403**Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) **November 3, 2005**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):☐ This document is being filed together with a new application.

A. Patent Application No.(s)

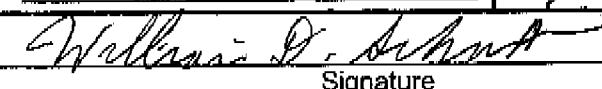
B. Patent No.(s)

6,475,951 6,602,820
6,516,611 6,596,056
6,471,932
Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: **William D. Schmidt**

Internal Address: _____

Street Address: **488 Madison Avenue**
19th FloorCity: **New York**State: **New York** Zip: **10022**Phone Number: **(212)813-1600**Fax Number: **(212)813-9600**Email Address: **wschmidt@creativity-law.com****6. Total number of applications and patents involved:** **Five****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 200.00**

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number **11-0171**Authorized User Name **Kalow & Springut LLP****9. Signature:**

Signature

December 20, 2005

Date

William D. Schmidt, Esq. - Reg. No.: 39,492

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6Documents to be recorded (including cover sheet) should be faxed to (571) 273-01407, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450**PATENT****REEL: 017136 FRAME: 0013****700232289**

CH \$200.00 110171 6475951

degussa.*creating essentials*

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November 3, 2005

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, the undersigned entity:

Degussa AG (formerly: Degussa-Hüls AG), having its registered office located at Bennigsenplatz 1, 40474 Düsseldorf, Germany ("Assignor");

HEREBY:

1. Sells, assigns and transfers to Umicore AG & Co. KG (formerly: OMG AG & Co. KG), having a place of business at, Rodenbacher Chaussee 4, D-63403, Hanau-Wolfgang, Germany, its successors, assigns and legal representatives ("Assignee"), the entire right, title and interest to the extent held by Assignor for the United States of America: (i) in and to all patents listed on the attached Schedule A and all divisionals, continuations, continuings, substitutes, renewals, reissues and all other applications for patents or other related property rights in any and all countries which have been or shall be filed on any of the inventions disclosed in said patents or applications; and (ii) in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions.
2. Authorizes and requests the Director of Patents of the United States Patent and Trademark Office to issue to Assignee in accordance with this assignment, any and all United States Letters Patent granted on any of said inventions.

Contact:
 Susanne Becker-AmirAhmadi
 Legal & Insurance
 administration of affiliates
 and subsidiaries

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 amirahmadi@degussa.com

Degussa AG • Head Office: Düsseldorf • Chairman of Supervisory Board: Dr. Werner Müller
 Board of Management: Prof. Dr. Utz-Hellmuth Feicht (Chairman of the Board of Management),
 Dr. Alfred Oberholz, Dr. Thomas Schoeneberg, Heinz-Joachim Wagner • District Court Düsseldorf,
 Commercial Register No. 39635 • Commerzbank AG, Düsseldorf, Account 1353010, SWIFT COBADEDD
 Degussa Bank GmbH, Frankfurt a. M., Account 390000, SWIFT DEGUDEFF • Deutsche Bank AG, Düsseldorf,
 Account 3941820, SWIFT DEUTDEDD • Dresdner Bank AG, Düsseldorf, Account 2121220, SWIFT DRESDEFF 300

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PATENT**REEL: 017136 FRAME: 0014**

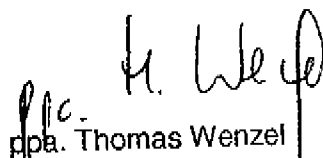
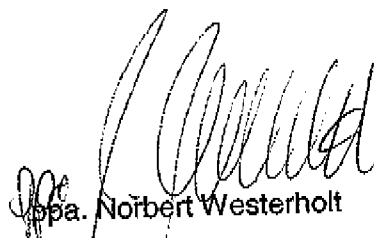
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Page 02 of 02

3. Agrees that said Assignee may apply for and receive foreign Letters Patents or rights of any other kind for said inventions, or any of them and may claim, in applications for said foreign Letters Patents or other rights, the priority of any of the patents or applications listed on the attached Schedule A 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.

ASSIGNOR:

DEGUSSA AG

Date: November 3, 2005
ppa. Thomas Wenzel
ppa. Norbert WesterholtSworn to before me on this 3rd day of November 2005

Notary Public

SCHEDULE A
US Patents and US Patent Applications

Patent No.	Class	Div	App No.	App Date	Pub No.	Pub Date	Priority	Attorney
13292-US	990051	AC	01.10.1999	09/409,744		25.09.2001	6,294,140	Degussa AG
13397-US	87213	AC	28.10.1988	07/263,701		07.05.1991	5,013,705	Degussa-Hüls Aktiengesellschaft
13192-US	87214	AC	28.10.1988	07/263,695		19.03.1991	5,001,103	Degussa-Hüls Aktiengesellschaft
13485-US	88115	AC	30.07.1990	07/559,095		17.12.1991	5,073,532	Degussa-Hüls Aktiengesellschaft
13398-US	88191	AC	05.09.1989	07/402,619		03.09.1991	5,045,521	Degussa-Hüls Aktiengesellschaft
13399-US	88192	AC	01.05.1989	07/345,721		16.10.1990	4,963,521	Degussa-Hüls Aktiengesellschaft
13400-US	88193	AC	05.09.1989	07/404,949		22.01.1991	4,987,112	Degussa-Hüls Aktiengesellschaft
13193-US	89106	AC	29.01.1990	07/471,486		18.06.1991	5,024,985	Degussa-Hüls Aktiengesellschaft
13402-US	89131	AC	19.04.1990	07/510,266		27.08.1991	5,043,311	Degussa-Hüls Aktiengesellschaft
13403-US	89165	AC	23.07.1990	07/556,097		09.06.1992	5,120,695	Degussa-Hüls Aktiengesellschaft
13195-US	89208	AC	11.03.1991	07/567,211		20.10.1992	5,157,007	Degussa-Hüls Aktiengesellschaft
13195-US	89208	AC	11.08.1992	07/928,050		07.05.1996	5,514,354	Degussa-Hüls Aktiengesellschaft
13406-US	90101	AC	27.02.1991	07/661,313		24.11.1992	5,165,970	Degussa-Hüls Aktiengesellschaft
13196-US	90113	AC	31.01.1991	07/658,280		12.01.1993	5,179,059	Degussa-Hüls Aktiengesellschaft
13197-US	90115	AC	31.01.1991	07/658,476		18.08.1992	5,139,993	Degussa-Hüls Aktiengesellschaft
13199-US	92111	AC	12.02.1993	08/017,058		05.03.1996	5,496,788	Degussa-Hüls Aktiengesellschaft
13199-US	92111	AC	13.08.1997	08/910,401		28.09.1999	5,958,829	Degussa-Hüls Aktiengesellschaft
13200-US	92125	AC	04.03.1993	08/026,127		11.10.1994	5,354,720	Degussa-Hüls Aktiengesellschaft
13205-US	92178	AC	04.10.1993	08/130,132		29.08.1995	5,446,006	Degussa-Hüls Aktiengesellschaft
13212-US	940027	AC	30.03.1995	08/413,943		13.05.1997	5,628,925	Degussa-Hüls Aktiengesellschaft
13213-US	940036	AC	12.10.1995	08/542,124		01.07.1997	5,643,542	Degussa-Hüls Aktiengesellschaft
13214-US	940048	AC	05.07.1995	08/498,060		13.01.1998	5,707,574	Degussa-Hüls Aktiengesellschaft
13226-US	950138	AC	11.04.1997	08/838,846		27.07.1999	5,928,981	Degussa-Hüls Aktiengesellschaft
13229-US	960021	AC	05.03.1998	09/180,112		24.04.2001	6,220,022	Degussa-Hüls Aktiengesellschaft
13231-US	960072	AC	22.12.1997	08/996,215		14.12.1999	6,001,318	Degussa-Hüls Aktiengesellschaft
13233-US	960085	AC	08.04.1998	09/056,641		30.01.2001	6,180,075	Degussa-Hüls Aktiengesellschaft
13238-US	960132	AC	14.05.1998	09/078,597		10.08.1999	5,934,073	Degussa-Hüls Aktiengesellschaft
13239-US	960167	AC	12.11.1997	08/967,984		27.06.2000	6,080,375	Degussa-Hüls Aktiengesellschaft
13242-US	970008	AC	07.04.1998	09/055,908		15.08.2000	6,103,660	Degussa-Hüls Aktiengesellschaft
13243-US	970009	AC	08.04.1998	09/056,795		10.06.2003	6,576,207	Degussa-Hüls Aktiengesellschaft
13245-US	970035	AC	08.01.1999	09/227,589		09.01.2001	6,171,565	Degussa-Hüls Aktiengesellschaft
13247-US	970047	AC	14.05.1998	09/078,415		18.07.2000	6,089,015	Degussa-Hüls Aktiengesellschaft
13249-US	970064	AC	19.06.1998	09/100,251		19.02.2002	6,348,430	Degussa-Hüls Aktiengesellschaft
13251-US	970083	AC	25.03.1999	09/276,131		14.11.2000	6,145,303	Degussa-Hüls Aktiengesellschaft
13253-US	970090	AC	04.12.1998	09/205,280		29.01.2002	6,342,465	Degussa-Hüls Aktiengesellschaft
13257-US	970120	AC	27.04.1999	09/299,630		29.05.2001	6,238,525	Degussa-Hüls Aktiengesellschaft
13258-US	970130	AC	11.05.1999	09/309,504		08.05.2001	6,228,292	Degussa-Hüls Aktiengesellschaft
13260-US	970147	AC	18.11.1999	09/442,633		13.01.2004	6,677,264	Degussa-Hüls Aktiengesellschaft

File-No. Z 3041 for 2005

I, the undersigned Dr. Norbert Zimmermann, German Notary duly admitted and sworn in with official residence at Düsseldorf, Germany, herewith authenticate the signature

- given before me by
Mr. Thomas Wenzel,
born on 11 April 1959
with business address at 40474 Düsseldorf, Bennigsenplatz 1,
personally known,

- given before me by
Mr. Norbert Westerholt,
born on 27 March 1963
with business address at 40474 Düsseldorf, Bennigsenplatz 1,
personally known.

I certify and confirm that:

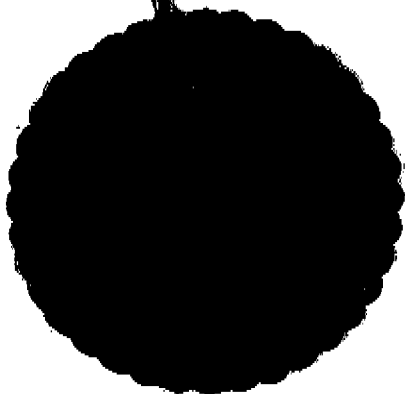
- Degussa-Hüls Aktiengesellschaft with registered office at Frankfurt am Main has been merged into Degussa AG with registered office in Düsseldorf and registered with the Commercial Register at Düsseldorf under HRB 39635. The merger became effective on 9 February 2001, i. e. all assets and liabilities of Degussa-Hüls Aktiengesellschaft have been transferred by law to Degussa AG.

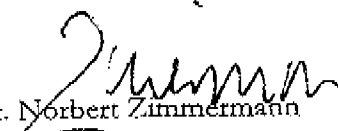
Mr. Norbert Westerholt as "Prokurist" (with registered procuration) of Degussa AG and Mr. Thomas Wenzel as "Prokurist" (with registered procuration) of Degussa AG are duly authorized to represent and act legally with joint authority for and on behalf of Degussa AG.

I certify this upon today's inspection of the Commercial Register at the Local Court at Düsseldorf No. HRB 39635.

In testimony whereof I have hereunto set my hand and affixed my seal of office.

Düsseldorf, 9 November 2005




Dr. Norbert Zimmermann
Notary