

107411

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)**Degussa AG**

Additional name(s) of conveying party(ies) 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

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

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)

6,294,140 5,073,532**5,013,705 5,045,521****5,001,103**

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 Floor

City: **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 Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number **11-0171**Authorized User Name **Kalow & Springut LLP****9. Signature:** *William D. Schmidt*

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:

6

Documents 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

CH \$200.00 110171 6294140

700233360

PATENT
REEL: 017145 FRAME: 0609

degussa.

creating essentials

Degussa AG • Bennigsenplatz 1 • 40474 Düsseldorf • Germany

Degussa AG
Bennigsenplatz 1
40474 Düsseldorf
Germany

T +49-211-85 041-0
F +49-211-85 041-472

www.degussa.com

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

C-LI/SBA

T +49-211-85 041-5805
F +49-211-85 041-517

susanne.becker-
amirahmadi@degussa.com

Degussa AG • Head Office: Düsseldorf • Chairman of Supervisory Board: Dr. Werner Müller
Board of Management: Prof. Dr. Utz-Helmut Felsch (Chairman of the Board of Management),
Dr. Alfred Oberholz, Dr. Thomas Schoenberger, Heinz-Joachim Wagner • District Court Düsseldorf,
Commercial Register No. 38038 • Commerzbank AG, Düsseldorf, Account 1553010, SWIFT COBADE33
Degussa Bank GmbH, Frankfurt a. M., Account 390000, SWIFT DEGUDEFF • Deutsche Bank AG, Düsseldorf,
Account 3241820, SWIFT DEUTDE33 • Dresdner Bank AG, Düsseldorf, Account 2121220, SWIFT DRESDEFF 300
Or: Deutscher Anwaltsverein Gesellschaftszugehörigkeiten/Degussa AG-Patent/Vertretung Umicore AG

PATENT

REEL: 017145 FRAME: 0610

degussa.

creating essentials

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

Mr. H. Wenzel
Mr. Thomas Wenzel

[Handwritten signature]
Hr. Norbert Westermolt

Sworn to before me on this 3rd day of November 2005

Notary Public

SCHEDULE A
US Patents and US Patent Applications

13232-US	990051	AC	01.10.1999	08/409,744	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
13398-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	07/471,488	18.06.1991	5,024,985	Degussa-Hüls Aktiengesellschaft
13402-US	89131	AC	19.04.1990	07/510,266	27.08.1991	5,049,311	Degussa-Hüls Aktiengesellschaft
13403-US	89165	AC	23.07.1990	07/556,097	08.06.1992	5,120,695	Degussa-Hüls Aktiengesellschaft
13195-US	89208	AC	11.03.1991	07/667,211	20.10.1992	5,157,007	Degussa-Hüls Aktiengesellschaft
13195-US	89208	AC	11.08.1992	07/928,050	07.05.1995	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	5,139,983	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	5,926,981	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	09/056,541	30.01.2001	6,180,075	Degussa-Hüls Aktiengesellschaft
13239-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	08/867,394	27.08.2000	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	09/056,796	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	19.08.1998	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	09/299,890	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	18.11.1998	09/442,633	13.01.2004	6,677,284	Degussa-Hüls Aktiengesellschaft

03.11.2005

Page 1 / 2

SCHEDULE A
US Patents and-US Patent Applications

13264-US	970166	AC	11.01.2001	09/757,581	01.01.2002	6,334,986	Degussa-Hüls Aktiengesellschaft
13271-US	980017	AC	26.03.1999	09/276,903	15.01.2002	6,338,831	Degussa-Hüls Aktiengesellschaft
13272-US	980029	AC	03.09.1998	09/146,436	21.11.2000	6,149,973	Degussa-Hüls Aktiengesellschaft
13274-US	980054	AC	08.04.1999	09/288,076	17.04.2001	6,216,449	Degussa-Hüls Aktiengesellschaft
13277-US	980090	AC	23.06.1999	09/378,893	26.02.2002	6,350,421	Degussa-Hüls Aktiengesellschaft
13185-US	980099	AC	19.08.1999	09/377,157	30.09.2003	6,627,257	Degussa-Hüls Aktiengesellschaft
13183-US	980127	AC	19.10.1999	09/417,915	02.07.2002	6,413,904	Degussa-Hüls Aktiengesellschaft
13287-US	990022	AC	25.02.2000	09/513,341	06.11.2002	6,475,951	Degussa-Hüls Aktiengesellschaft
13288-US	990030	AC	22.05.2000	09/576,059	11.02.2003	6,516,811	Degussa-Hüls Aktiengesellschaft
13294-US	990064	AC	23.10.2000	09/693,835	29.10.2002	6,471,932	Degussa-Hüls Aktiengesellschaft
13307-US	990197	AC	15.11.2000	09/712,186	05.08.2003	6,602,820	Degussa-Hüls Aktiengesellschaft
13310-US	990224	AC	22.12.2000	09/745,178	22.07.2003	6,598,058	Degussa-Hüls Aktiengesellschaft
13216-US	940049	FC	17.10.1994	08/824,140	06.02.1996	5,489,583	Degussa-Hüls Aktiengesellschaft
13217-US	940123	FC	14.07.1997	08/892,104	04.05.1999	5,800,386	Degussa-Hüls Aktiengesellschaft
13476-US	950050	FC	08.05.1998	08/648,394	16.08.1998	5,767,036	Degussa-Hüls Aktiengesellschaft
13228-US	950090	FC	30.03.1996	08/723,549	22.12.1998	5,852,788	Degussa-Hüls Aktiengesellschaft
13224-US	950102	FC	24.03.1997	08/822,864	19.01.1999	5,861,222	Degussa-Hüls Aktiengesellschaft
13235-US	960123	FC	19.05.1998	09/080,468	28.12.1999	6,007,934	Degussa-Hüls Aktiengesellschaft
13269-US	980123	FC	28.06.1998	09/340,407			Degussa-Hüls Aktiengesellschaft
13270-US	980012	FC	22.03.1999	09/274,018	30.10.2001	6,309,772	Degussa-Hüls Aktiengesellschaft
13278-US	980014	FC	12.04.1999	09/289,604	14.11.2000	6,146,782	Degussa-Hüls Aktiengesellschaft
13282-US	980091	FC	18.08.1999	09/376,438	05.12.2000	6,156,449	Degussa-Hüls Aktiengesellschaft
13285-US	980128	FC	14.10.1999	09/418,558	26.12.2000	6,166,835	Degussa-Hüls Aktiengesellschaft
13293-US	980176	FC	28.06.1999	09/340,197	31.12.2002	6,500,217	Degussa-Hüls Aktiengesellschaft
13216-US	990082	FC	07.10.1999	09/413,878	02.07.2002	6,413,449	Degussa-Hüls Aktiengesellschaft
13222-US	940096	TM	31.01.1986	08/594,143	25.08.1998	5,738,468	Degussa-Hüls Aktiengesellschaft
13222-US	950089	TM	19.11.1996	08/751,935	24.11.1998	5,841,044	Degussa-Hüls Aktiengesellschaft
13227-US	950142	TM	19.11.1996	08/751,934	17.03.1998	5,728,194	Degussa-Hüls Aktiengesellschaft
13228-US	960004	TM	27.02.1997	08/806,725	16.11.1998	5,985,440	Degussa-Hüls Aktiengesellschaft
13221-US	950064	TM	16.08.1996	08/698,857	24.03.1998	5,730,931	Degussa-Hüls Aktiengesellschaft
13198-US	91127	TM	13.03.1992	07/851,020	07.12.1993	5,268,157	Degussa-Hüls Aktiengesellschaft
13220-US	94133	TM	24.03.1997	08/828,146	13.06.2000	6,073,467	Degussa-Hüls Aktiengesellschaft

03.11.2005

Page 2 / 2

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:

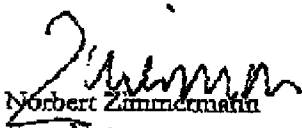
- Degussa-Hüls Aktiengesellschaft with registered office at Frankfurt am Main has been merged into Degussa AG with registered office in Düsseldorf and registered with the Commercial Register at Düsseldorf under HRB 39635. The merger became effective on 9 February 2001, i. e. all assets and liabilities 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 herewith set my hand and affixed my seal of office.

Düsseldorf, 9 November 2005


Dr. Norbert Zimmermann
Notary

TOTAL P.06