

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	07/13/2007

CONVEYING PARTY DATA

Name	Execution Date
Degussa AG (now Degussa GmbH)	07/17/2007

RECEIVING PARTY DATA

Name:	Umicore AG & Co. KG
Street Address:	Rodenbacher Chaussee 4
City:	Hanau
State/Country:	GERMANY
Postal Code:	63457

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	6348620

CORRESPONDENCE DATA

Fax Number: (404)685-6948
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 404-815-3648
 Email: wmartin@sgrlaw.com
 Correspondent Name: Wilsa N. Martin
 Address Line 1: 1230 Peachtree St. NE
 Address Line 2: Suite 3100, Promenade II
 Address Line 4: Atlanta, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	034166.035
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NAME OF SUBMITTER:	Wilsa N. Martin
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Total Attachments: 17
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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 (now Degussa GmbH as shown by enclosed Notarial Certification)

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

State: _____

Country: Germany Zip: 63457

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) _____

- 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)
6,348,620

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Wilsa N. Martin

Internal Address: Suite 3100, Promenade II

Street Address: 1230 Peachtree Street, NE

City: Atlanta

State: Georgia Zip: 30309

Phone Number: 404-815-3648

Fax Number: 404-685-6948

Email Address: wmartin@sgrlaw.com

6. Total number of applications and patents involved: 1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- 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 1761
Expiration Date 09/09

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:


Signature

September 24, 2007

Date

Robert G. Weilacher

Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Declaration of Assignment

Übertragungserklärung

**Degussa GmbH
Bennigsenplatz 1
40474 Düsseldorf**

(hereinafter referred to as "assignor") herewith assigns all rights related to the invention

(nachfolgend "Abtretender") überträgt hiermit alle Rechte an der Erfindung

Our ref.: 199810098 (ehemals 980170)

U. S. Patent Serial No. 6,348,620

„Process for enantioselective hydrogenation „

Inventors: : Prof. Paul Knochel, Dr. Juan Jose Almena Perea, Prof. Karlheinz Drauz, Dr. Ingo Klement

accordingly to the Agreement dated 17./31.05.200~~7~~² to

gemäß Vertrag vom 17./31.05.200~~7~~² auf

**Umicore AG & Co. KG
Rodenbacher Chaussee 4
63457 Hanau**

(hereinafter referred to as "assignee").

(nachfolgend "Annehmender").

Signature on behalf of the assignee

Place/Date: _____

(Signature)

(Name of signing person(s))

(Position)

Signature on behalf of the assignor

Place/Date: _____

(Signature)

(Name of signing person(s))

(Position)

Unterzeichnung für den Annehmenden

Ort/Datum: HU-Wolfgang, 13.07.07

R. Hermann U.A. Starz
(Unterschrift)

ppa. Dr. Reinhard Herrmann ppa. Dr. Karl-Anton Starz
Senior IP Manager Senior IP Manager
(Name(n) des/der Unterzeichnenden)

(Position)

Unterzeichnung für den Abtretenden

Ort/Datum: 17. Juli 2007

W. Weber Stef. Retzow
(Unterschrift)

ppa. Dr. Wolfgang Weber i.V. Dr. Stefan Retzow
(Name(n) des/der Unterzeichnenden)

Prokurist Handlungsbevollmächtigter
(Position)

No. 75/2007 K of the Notary's document register

Notarial Certification

On the basis of the following certified extracts of the Commercial Register of

- the Local Court of Marl referring to HRB 2050, dated January 19th, 2007 and
- the Local court of Frankfurt am Main referring to HRB 47234, dated January 22nd, 2007
both with reference to the former Degussa-Hüls AG, Frankfurt am Main and
- the Local court of Frankfurt am Main, referring to HRB 8239, dated January 22nd, 2007 with reference to the previous Degussa AG, domiciled in Frankfurt am Main and

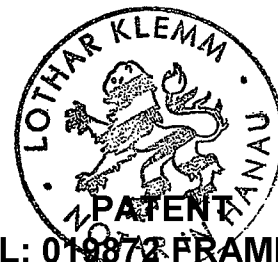
due to my inspection undertaken on January 18th, 2007 in the Electronic Commercial Register of

- the Local Court of Düsseldorf referring to HRB 39635 with reference to the former Degussa AG, domiciled in Düsseldorf and
 - the Local court of Frankfurt am Main, referring to HRB 55436 with reference to the Degussa GmbH
- all extracts are at my disposal - I herewith certify that:

1. The total assets of the previous Degussa AG, registered at the Commercial Register at the Local court of Frankfurt am Main under HRB 8239 were transferred by way of merger to Degussa-Hüls AG registered in the Commercial Register of the Local Court of Marl under HRB 2050. This Company had its registered seat in Marl. The merger took place on the day of its registration in the Commercial Register on February 1st, 1999 and became effective on the same date. Degussa-Hüls AG was the legal successor of Degussa AG since this date.
2. Degussa-Hüls AG transferred its seat from Marl to Frankfurt am Main and the company was registered in the Commercial Register of the Local Court of Frankfurt am Main under HRB 47234 on the June 8th, 1999.
3. By way of merger the total assets of Degussa-Hüls AG were transferred to Degussa AG with domicile in Düsseldorf, registered under HRB 39635 in the Commercial Register of the Local Court of Düsseldorf. This merger was registered on February 9th, 2001. Since that time Degussa AG with its seat in Düsseldorf was the legal successor of Degussa-Hüls AG, Frankfurt am Main.
4. Degussa AG has in the meantime converted with change of form to Degussa GmbH, which was registered in the Commercial Register of Degussa AG on January 2nd, 2007. Degussa GmbH is now registered at the Local Court Düsseldorf under HRB 55436. The nominal capital of Degussa GmbH is € 205.623.590,00.

Hanau, January 25th, 2007

Großkopf, attorney
as officially appointed representative of the notary Klemm



REEL: 019872 FRAME: 0327

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Degussa-Huls AgApplication No./Patent No.: 6,348,620 B1Filed/Issue Date: February 19, 2002Entitled: **METHOD FOR HOMOGENEOUS ENANTIOSELECTIVE HYDROGENATION USING CATALYTIC FERROCENYL BIS-PHOSPHINE COMPLEXES**Degussa AG, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Paul Knochel et al. To: Degussa-Huls AG
The document was recorded in the United States Patent and Trademark Office at Reel 010221, Frame 0481, or for which a copy thereof is attached.
2. From: Degussa-Huls AG To: Degussa AG
The document was recorded in the United States Patent and Trademark Office at Reel 011855, Frame 0608, or for which a copy thereof is attached.
3. From: Degussa Huls AG To: Degussa AG
The document was recorded in the United States Patent and Trademark Office at Reel 012322, Frame 0909, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet.

-
- Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

Robert G. Weilacher

Printed or Typed Name

Agent - Reg no. 20,531

September 24, 2007

Date

404-815-3593

Telephone Number

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PATENT

REEL: 019872 FRAME: 0328

SUPPLEMENTAL SHEET
STATEMENT UNDER 37 CFR 3.73(B)

B. CONT'D

A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

4. From: Degussa AG – 50% To: DMC² Degussa Metals Catalysts Cerdec AG
The document was recorded in the United States Patent and Trademark Office at Reel 011997, Frame 0997, or for which a copy thereof is attached.

5. From: DMC² Degussa Metals Catalysts Cerdec AG(now known as OMG AG & Co. KG
To: Degussa AG
The document was recorded in the United States Patent and Trademark Office at Reel 012875, Frame 0493, or for which a copy thereof is attached.

LIT/1008300

PATENT
REEL: 019872 FRAME: 0329

09-13-1999



ET ONLY

TO THE ASSISTANT COMMISSIONER
SIR: PLEASE RECORD THE ATTACHED

101143423
DOCUMENTS OR COPY THEREOF.

#1
file all
pages.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Paul KNOCHEL
- 2. Juan Jose ALMENA PEREA
- 3. Karlheinz DRAUZ
- 4. Ingo KLEMENT
- 5. *MRD 9-9-99*
- 6.
- 7.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Degussa-Huls AG

ADDRESS: Patente und Marken, Postfach 1345, DE-63403 Hanau, GERMANY

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF
- WHOLE
- PART INTEREST
- CHANGE OF NAME
- ACCURATE TRANSLATION
- SECURITY
- MERGER
- OTHER:

EXEC. DATE: 1) July 15, 1999; 2) July 12, 1999; 3 & 4) July 9, 1999

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1) July 15, 1999; 2) July 12, 1999; 3 & 4) July 9, 1999

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no.	MP	I* INVENTOR If not in item 1	B. PATENT NO.(S)	MP	I* INVENTOR If not in item 1
09/335,893	260591				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS _____ = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 260591	980170 AM
MATTER NO.	CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975		
UNDER ORDER NO	21123	260591
dup. sheet not required	CLIENT NO.	MATTER NO.

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.

Ann S. Hobbs
Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	3
---	---

Attorney: Ann S. Hobbs

Reg. No. 36830

Atty/Sec: ASH/blg

TEL: (202) 861-3063

Date: September 9, 1999

FAX: (202) 822-0944

09/10/1999 SARAYA 0000030 09335893

FILE WITH PTO RETURN RECEIPT (PAT-103A)

03 FC:581

40.00 CP

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

For Inventions made outside USA
executed with or after application

Atty. Dkt. PM260591 980170AM
M# Client Ref.

USA Patent Appln.
Sole or Joint

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Paul KNOCHEL	(2) Juan Jose ALMENA PEREA
	(3) Karlheinz DRAUZ	(4) Ingo KLEMENT
	(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

Degussa-Huls AG
Patente und Marken
Postfach 1345
DE-63403 Hanau
Germany

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF INVENTION
METHOD FOR ENANTIOSELECTIVE HYDROGENATION

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) even date herewith
 (Complete (B) on
 line A, B and/or C) (C) in U.S. Appln. No. 09/ filed June 18, 1999

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTORS	DATE SIGNED	WITNESSES
1):	<u>Paul Knochel</u>	<u>07/15/1999</u>	<u>Frank Jübler</u>
Name:	Paul KNOCHEL		<u>Frank Jübler</u>
2)	<u>Juan Jose Almena Perea</u>		
Name:	Juan Jose ALMENA PEREA		
3)	<u>Karlheinz Drauz</u>		
Name:	Karlheinz DRAUZ		
4) Name:	<u>Ingo Klement</u>		
Name:	Ingo KLEMENT		
5) Name:			
Name:			

PAT-114 11/87

PATENT
REEL: 010221 FRAME: 0482

PATENT
REEL: 019872 FRAME: 0331

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

USA Patent Appl.
Sole or Joint

For Inventions made outside USA
executed with or after application

Atty. Dkt. PM260591 980170AM
M# Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Paul KNOCHEL	(2) Juan Jose ALMENA PEREA
	(3) Karlheinz DRAUZ	(4) Ingo KLEMENT
	(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	Degussa-Huls AG Patente und Marken Postfach 1345 DE-63403 Hanau Germany
--	---

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF INVENTION: METHOD FOR ENANTIOSELECTIVE HYDROGENATION

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE -> -> (A) even date herewith
(B) on _____
(C) in U.S. Appl. No. 09/_____ filed June 18, 1999

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE -> -> The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS	DATE SIGNED	WITNESSES
1): Name: Paul KNOCHEL		
2): Name: Juan Jose ALMENA PEREA	7/12/1999	<i>J. Alm</i> <i>J. Alm</i>
3): Name: Karlheinz DRAUZ	7/9/1999	<i>Karlheinz Drauz</i>
4) Name: <i>Karlheinz Drauz</i>	7/9/1999	<i>Ursula Demuth</i>
Name: Ingo KLEMENT	7/9/1999	<i>Ingo Klement</i>
5) Name: <i>Ingo Klement</i>		<i>TORSTEN HAHN</i>

PAT-114 11/87

RECORDED: 09/09/1999

PATENT
REEL: 010221 FRAME: 0483

PATENT
REEL: 019872 FRAME: 0332

66-07

Docket : 033766W034



06-12-2001



101745659

RE

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copies thereof.

1. Name(s) of conveying party(ies):

Degussa-Hüls Aktiengesellschaft

2. Name(s) and Address(es) of receiving party(ies):

Degussa AG
Benningsenplatz 1,
DE-40474 Düsseldorf, Germany

3. Nature of conveyance: Merger
Execution Date: 2/9/01

4A. Patent Application No.(s): See Schedule A Attached hereto
Application execution date :

4B. Patent No.(s):

5. Name and Address of Party to whom correspondence regarding this document should be mailed:

Smith, Gambrell & Russell, LLP
1850 M Street N.W. (Suite 800)
Washington, DC 20036
202 659-2811

6. Total number of applications and patents involved :

7. Total fee: 110 x \$40 = \$4,400
(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

NOT USE THIS SPACE

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.

Name of Person Signing : Robert G. Weilacher

Signature:

Date: June 6, 2001

No. of Pages 7

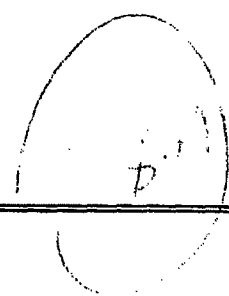
06/11/2001 TDIAZ1 00000068 4358321

01 FC:581

4400.00 DP

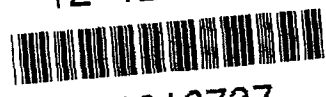
PATENT
REEL: 011855 FRAME: 0608

PATENT
REEL: 019872 FRAME: 0333



Docket : 032301W014

12-12-2001



101913737

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copies thereof.

10-6-01

1. Name(s) of conveying party(ies):

Degussa-Hüls Aktiengesellschaft, Frankfurt am Main, Germany

2. Name(s) and Address(es) of receiving party(ies):

Degussa AG
Bennigsenplatz 1,
DE-40474 Düsseldorf, Germany

3. Nature of conveyance: Merger
Execution Date: 2/9/01

4A. Patent Application No.(s): See Schedule A Attached hereto
Application execution date :

4B. Patent No.(s):

5. Name and Address of Party to whom correspondence regarding this document should be mailed:

Smith, Gambrell & Russell, LLP
1850 M Street N.W. (Suite 800)
Washington, DC 20036
202 659-2811

6. Total number of applications and patents involved : 629

7. Total fee: 25,160
(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

NOT USE THIS SPACE

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.

Name of Person Signing : Robert G. Weilacher

Signature:

Date: 12/6/01

12/11/2001 JJALLAH2 00000014 09792064

01 FC:581

25160.00 OP

PATENT
REEL: 012322 FRAME: 0909

PATENT
REEL: 019872 FRAME: 0334

07-26-2001

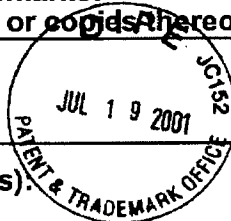
RECORDATION COPY



SIGNMENTS

To the Honorable Court 101788556 marks:
Please record the attached original documents or copies thereof.

1. Name(s) of Conveying Party(ies): Degussa AG



2. Name(s) and Address(es) of Receiving Party(ies):

1. Degussa AG, Bennigsenplatz 1, DE-40474
Düsseldorf, GERMANY and
2. dmc² Degussa Metals Catalysts Cerdec AG
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Federal Republic of Germany

7-190

3. Nature of Conveyance: Assignment

Execution Date: 6/18/01 AND 6/18/01

4A. Patent Application No.(s): 09/335,893
AND 09/335,894

Application Execution Date:

4B. Patent No.(s):

5. Name and Address of Party to Whom Correspondence Regarding This Document Should Be Mailed:

Smith, Gambrell & Russell, LLP
Beveridge, DeGrandi, Weilacher & Young, Intellectual Property Group
Suite 800, 1850 M Street N.W., Washington, D.C. 20036
(202) 659-2811

Attorney Docket No.: 033766W034

6. Total Number of Applications and Patents involved: 2

7. Total Fee: \$80.00

(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit Account No.: 02-4300

DO NOT USE THIS SPACE

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.

Robert G. Weilacher, Registration No. 20531

July 19, 2001
Date

Total Number of Pages (including cover sheet): 3

07/25/2001 LWEILLER 00000137 09335893

60.00 DP

01 FC:581

PATENT
REEL: 011997 FRAME: 0997

PATENT
REEL: 019872 FRAME: 0335

ASSIGNMENT DEED

This assignment agreement is applicable to the U.S. Patent Application Numbers 09/335,894 and 09/335,893

The PATENT RIGHTS referred to in this agreement are:

 x U.S. patent application Serial Nos. 09/335,894
and 09/335,893

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

 x U.S. patent rights only.

The ASSIGNOR referred to in this agreement is:

Degussa AG

Address BENNIGSENPLATZ 1,
DE-40474 DÜSSELDORF, GERMANY

The ASSIGNEE referred to in this agreement is:

address dmc² Degussa Metals Catalysts Cerdec AG
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Federal Republic of Germany

The ASSIGNEE is:

 x A Corporation of Germany

The ASSIGNOR, in consideration of good and valuable consideration, receipt of which is acknowledged, has assigned and does hereby assign the following to the ASSIGNEE; its successors and assigns:

an undivided 50% interest in and to the invention;

an undivided 50% 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, based on any
earlier foreign applications for this invention.


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 as the ASSIGNEE of the respective 50%
interest conveyed above, for the sole use and enjoyment of said
ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR agrees to communicate to said
ASSIGNEE, or its representatives, any facts know to the
ASSIGNOR 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 in
respect of the 50% interest, 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.

DEGUSSA AG

June 18th, 2001


(Date)

By 
Dr. Wolfgang Weber

Title _____
Procurist

June 18th, 2001

(Date)

By 
Dr. Volker Bugdahl

Title _____
Procurist



RE

05-14-2002



102089265

RECORDATION COVER SHEET - ATTENTION: BOX A

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copies thereof.

1. Name(s) of Conveying Party(ies): dmc² Degussa Metals Catalysts Cerdec AG,
now known as OMG AG & CO. KG

2. Name(s) and Address(es) of Receiving Party(ies):
Degussa AG, Bennigsenplatz 1, DE-40474
Düsseldorf, GERMANY

58.02

3. Nature of Conveyance: ASSIGNMENT
Execution Date: January 15, 2002; January 15, 2002

4A. Patent Application No.(s): 09/335,893
Application Execution Date:

4B. Patent No.(s): 6,284,925

5. Name and Address of Party to Whom Correspondence Regarding This Document Should Be Mailed:
Smith, Gambrell & Russell, LLP
Suite 800, 1850 M Street N.W., Washington, D.C. 20036
(202) 659-2811
Attorney Docket No.: 033766W034

6. Total Number of Applications and Patents involved: 2

7. Total Fee: \$80.00
(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit Account No.: 02-4300

DO NOT USE THIS SPACE

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.

Robert G. Weilacher, Registration No. 20531

Date May 8, 2002

Total Number of Pages (including cover sheet):

05/13/2002 11:01:02 001060200
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Ref: 001060200
FC: 704

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01 FC:581 00.00 00

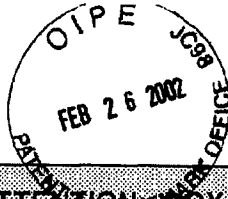
PATENT
REEL: 012875 FRAME: 0493

PATENT
REEL: 019872 FRAME: 0338

03-04-2002



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ATTENTION: BOX ASSIGNMENTS

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copies thereof.

1. Name(s) of Conveying Party(ies): dmc² Degussa Metals Catalysts Cerdec AG, now known as
OMG AG & CO. KG

2/26/02

2. Name(s) and Address(es) of Receiving Party(ies):
Degussa AG, Bennigsenplatz 1, DE-40474
Düsseldorf, GERMANY

3. Nature of Conveyance: Assignment
Execution Date: Jan. 15, 2002; Jan. 15, 2002

4A. Patent Application No.(s): 09/335,893
Application Execution Date:

4B. Patent No.(s): 6,284,925

5. Name and Address of Party to Whom Correspondence Regarding This Document Should
Be Mailed:
Smith, Gambrell & Russell, LLP
Suite 800, 1850 M Street N.W., Washington, D.C. 20036
(202) 659-2811

Attorney Docket No.: 033766W034

6. Total Number of Applications and Patents involved: 2

7. Total Fee: \$80.00
(Enclosed. Please charge any deficiency or refund any excess to counsel's
deposit account.)

8. Deposit Account No.: 02-4300

DO NOT USE THIS SPACE

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.

Robert G. Weilacher, Registration No. 20531

2/26/02
Date

Total Number of Pages (including cover sheet): 6

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PATENT
REEL: 012875 FRAME: 0494

PATENT
REEL: 019872 FRAME: 0339

ASSIGNMENT

WHEREAS, DEGUSSA AG , a joint stock company of the Federal Republic of Germany having a place of business at Bennigsenplatz 1, DE-40474 Düsseldorf, Germany and dmc² Degussa Metals Catalysts Cerdec AG a corporation of Germany, having a place of business at Rodenbacher Chaussee 4, D-63457 Hanau-Wolfgang, Federal Republic of Germany are each the owner a 50% right, title and interest in and to the United States Letters Patent 6,284,925 and Patent Application 09/335,893 by assignment recorded July 19, 2001 at reel 011997, frame 0997;

WHEREAS, DEGUSSA AG , a joint stock company of the Federal Republic of Germany having a place of business at Bennigsenplatz 1, DE-40474 Düsseldorf, Germany, (hereafter referred to as ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to said United States Letters Patent 6,284,925 and Patent Application 09/335,893;

NOW, THEREFORE, in consideration of the sum of (\$1.00) Dollar paid to dmc² Degussa Metals Catalysts Cerdec AG, now known as OMG AG & CO. KG, (hereafter ASSIGNOR) and other good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, the said ASSIGNOR hereby sells, assigns and transfers unto the said ASSIGNEE, its successors and assigns, its 50% right, title and interest in and to said United States Letters Patent 6,284,925 and Patent Application 09/335,893 including the right to sue for past infringement, and in and to any and all re-issues and extensions thereof.

Further, ASSIGNOR agrees that it will communicate to said ASSIGNEE or its representatives, any facts known to it respecting said Letters Patent and Patent Application, and testify in any legal proceedings, sign all lawful papers, execute all re-issue applications, make all rightful oaths and generally do everything necessary or desirable to

PATENT
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PATENT
REEL: 019872 FRAME: 0340

aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said Letters Patent and Patent Application in the United States, its territories and possessions.

dmc² Degussa Metals Catalysts Cerdec AG, now known as OMG AG & CO. KG

Jan. 15th, 2002

Date

B. Engler
By Bernd Engler

Title Procurist

Jan. 15th, 2002

Date

R. Herrmann
By Reinhard Herrmann

Title Senior Authorized Officer

RECORDED: 02/26/2002

PATENT
REEL: 012875 FRAME: 0496

RECORDED: 09/25/2007

PATENT
REEL: 019872 FRAME: 0341