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To the Honorable
Please record the

1 Trademarks:
: copy thereof.

1. Name of conveying party(ies):
Andreas Freund, Monika Berweiler, Barbara
Bender and Bernd Kempf

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

Name: DEGUSSA AKTIENGESELLSCHAFT

Additional name(s) of conveying
parties attached? - Yes No

Address: Weissfrauenstrasse 9

60311 Frankfurt am Main, Germany

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date(s): 5/19/98

Additional name(s) & address(es) attached?
 yes no

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution
date of the application is: (Date) _____

A. Patent Application No.(s)
09/080,466

B. Patent No.(s)

Additional numbers attached? Yes No

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

6. Total number of applications and patents
involved (number) 1

Beveridge, DeGrandi, Weilacher & Young, L.L.P.
1850 M Street, N.W.
Suite 800
Washington, DC 20036

7. Total fee (37 CFR 3.41):.....\$ 40

Enclosed

Charge to deposit account

Other _____

Attorney Docket No. 06-54731

8. Deposit account number: 02-4300

(Attached duplicate copy of this page if
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To the best of my knowledge and belief, the foregoing information is true and correct
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Robert G. Weilacher

Name of Person Signing

Signature

Date

Reg. No. 20531 Total no. of pages (including cover sheet, attachments & documents): 3

A S S I G N M E N T

WHEREAS the undersigned (hereinafter "ASSIGNOR") have invented certain new and useful improvements in

A SHAPED, ACTIVATED METAL, FIXED-BED CATALYST

for which an application for United States Letters Patent was executed concurrently herewith unless otherwise indicated and claims the benefit of German priority application 197 21 898.8 filed May 26, 1997

WHEREAS, DEGUSSA AKTIENGESELLSCHAFT,
Weissfrauenstrasse 9,
60311 Frankfurt am Main 1,
Federal Republic of Germany

a German Corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in view of good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent, which may be granted therefore in the United States, and all other countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

Said ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be

granted as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

Further, the ASSIGNOR agrees to communicate to said ASSIGNEE, or its representatives, any facts known 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, 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 authorizes any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

IN TESTIMONY WHEREOF, we have hereunto set our hands

Signatures Dates In the Presence of:

Andreas Freund 5/19/98 And Barbara Bender

Andreas Freund

Monika Berweiler 5/19/98 Barbara Bender

Monika Berweiler

Barbara Bender 5/19/98 Andreas Freund

Barbara Bender

Bernd Kempf 5/19/98 Andreas Freund

Bernd Kempf