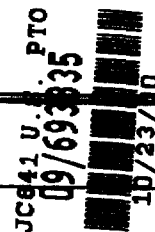


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10/23/00



To the Honorable Commissioner of Patents and Trademarks, 101571834
Please record the attached original documents or copies thereof.

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

1. Jürgen Gieshoff and 2. Jürgen Lang

9/693835

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

Degussa-Hüls Aktiengesellschaft
Weissfrauenstrasse 9,
60311 Frankfurt am Main 1
Federal Republic of Germany

3. Nature of conveyance: Assignment

Execution Date: 1. September 9, 2000 and 2. September 18, 2000, respectively

4A. Patent Application No.(s):

Application execution date : 1. September 9, 2000 and 2. September 18, 2000, respectively

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
1850 M Street N.W. (Suite 800)
Washington, DC 20036

202 659-2811

6. Total number of applications and patents involved : one

7. Total fee: \$40.00.

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

8. Deposit account no.: 02-4300

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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.

Name of Person Signing : Robert G. Weilacher, Reg. No. 20,531

Signature:

Date: October 23, 2000

10/26/2000 GTEFFERA 00000070 09693835

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PATENT
REEL: 011383 FRAME: 0210

A S S I G N M E N T

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

PROCESS FOR THE PLASMA-CATALYTIC PRODUCTION OF AMMONIA

for which an application for United States Letters Patent was executed concurrently herewith unless otherwise indicated and claims the benefit of German priority application 199 51 976.5 filed October 28, 1999

WHEREAS, DEGUSSA-HÜLS 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.

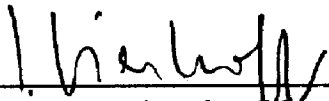
The ASSIGNOR authorizes any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

IN TESTIMONY WHEREOF, we have hereunto set our hands

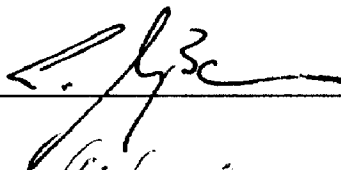
Signatures

Dates

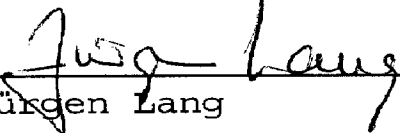
In the Presence of:


Jürgen Gieshoff

Sept 9/2000



Sept 9/2000


Jürgen Lang

Sept. 18/2000



Sept 18/2000