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101698364

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

1. Name of conveying party(ies):

- | | |
|---------------------------|------------------------|
| 1. Olaf BURKHARDT | 7. Andreas KARAU |
| 2. Jens WOLTINGER | 8. Jean-Louis PHILIPPE |
| 3. Andreas BOMMARIUS | 9. Hans-Peter KRIMMER |
| 4. Juan Jose ALMENA PEREA | 10. Gunther OEHME |
| 5. Hans HENNIGES | |
| 6. Karlheinz DRAUZ | |

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
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| <input type="checkbox"/> Other | |

1/19/2001; 1/25/01; 3/19/01;
1/25/01; 2/5/01; 2/5/01;
1/26/01; 2/1/01; 1/29/01; and

Execution Date: 3/5/01

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

Name: Degussa-Huls Aktiengesellschaft

Address: Wolfgang, Postfach 13-45, DE-63403,
HANAU GERMANYAdditional name(s) and 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:

A. Patent Application No.(s)

09/767,873

B. Patent No.(s)



22850

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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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.

J. Derek Mason, Ph. D.

Name of Person Signing

Signature4/27/01
Date

Registration Number: 35,270

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INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

WHEREAS, I (WE) 1) Olaf BURKHARDT, 2) Jens WOLTINGER, 3)
Andreas BOMMARIUS, 4) Juan Jose ALMENA PEREA, 5) Hans HENNIGES,
6) Karlheinz DRAUZ, 7) Andreas KARAU, 8) Jean-Louis PHILIPPE,
9) Hans-Peter KRIMMER and 10) Gunther OEHME of the following
addresses: 1) Im Kerkendijk 23, BE-2920 Kalmthout, GERMANY
2) Zeppelinstrasse 33a, 63456 Hanau, GERMANY, 3) 1105 Vernon
Springs Court, Atlanta, GEORGIA 30327, 4) Friedrichstrasse 2d,
63450 Hanau, GERMANY, 5) Kaiser-Karl-Ring, 38b, 53111 Bonn,
GERMANY, 6) Zur Marienruhe 13, 63579, Freigericht, GERMANY,
7) Walter-Bruch-Strasse 50, 67434, Neustadt, GERMANY, 8) Karl-
Duchmann-Weg 14, 63303, Dreieich, GERMANY, 9) Germanenweg 17,
63128, Dietzenbach, GERMANY, 10) Am Feldrain 56, 18059, Rostock,
GERMANY, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: POLYMERIC DIPHOSPHINE
LIGANDS FOR HOMOGENEOUSLY SOLUBLE HYDROGENATION CATALYSTS,
PROCESS FOR THE PRODUCTION THEREOF AND USE
for which an application for Letters Patent was executed on 1/19/01; 1/25/01; 3/19/01;
2/5/01; 2/8/01; 2/20/01; 2/23/01; 3/05/01
(Application No. 09/767,873, filed January 24, 2001), and

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, Degussa-Huls Aktiengesellschaft
(hereinafter referred to as "ASSIGNEE") having a place of business at: Wolfgang, Postfach
13-45, DE-63403, Hanau,
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any
Letters Patent that may be granted therefore in the United States and its territorial possessions and in
any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the
receipt whereof is hereby acknowledged, and for other good and valuable consideration,
I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and
exclusive right to the said invention in the United States and its territorial possessions and
in all foreign countries and the entire right, title and interest in and to any and all Letters
Patent which may be granted therefor in the United States and its territorial possessions
and in any and all foreign countries and in and to any and all divisions, reissues, continua-
tions, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors 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 me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| | |
|-------------------------|--|
| Date: <u>01/19/2001</u> | <u><i>Olaf Burkhardt</i></u> (Signature of Inventor) Olaf BURKHARDT |
| Date: <u>01/25/2001</u> | <u><i>Jens Woltinger</i></u> (Signature of Inventor) Jens WOLTINGER |
| Date: <u>03/19/2001</u> | <u><i>Andreas Bommarius</i></u> (Signature of Inventor) Andreas BOMMARIUS |
| Date: <u>01/25/2001</u> | <u><i>Juan Jose Almena Perea</i></u> (Signature of Inventor) Juan Jose ALMENA PEREA |
| Date: <u>01/05/2001</u> | <u><i>Hans Henniges</i></u> (Signature of Inventor) Hans HENNIGES |
| Date: <u>01/05/2001</u> | <u><i>Karlheinz Drauz</i></u> (Signature of Inventor) Karlheinz DRAUZ |
| Date: <u>01/26/2001</u> | <u><i>Andreas Karau</i></u> (Signature of Inventor) Andreas KARAU |
| Date: <u>02/01/2001</u> | <u><i>Jean Louis Philippe</i></u> (Signature of Inventor) Jean Louis PHILIPPE |


OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors 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 me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date: 01/29/2001


(Signature of Inventor) Hans-Peter KRIMMER

Date: 03/05/2001


(Signature of Inventor) Gunther DEHME

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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