

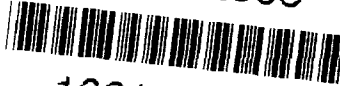
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RECOF

10-17-2005

U.S. DEPARTMENT OF COMMERCE
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103101525

To the Director of the U.S. Patent and Trademark Office, File No. _____, or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

1. Manfred T. REETZ, Mülheim an der Ruhr, Germany
2. Thorsten SELL, Frankfurt am Main, Germany
3. Andreas MEISWINKEL, Mülheim an der Ruhr, Germany
4. Gerlinde MEHLER, Mülheim an der Ruhr, Germany

Execution Date(s) March 3, 2005; March 1, 2005; February 25, 2005; February 24, 2005

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9423, Confirmatory License
☐ Other _____

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

Name: STUDIENGESELLSCHAFT KOHLE MBH

Internal Address: _____

Street Address: Kaiser-Wilhelm-Platz 1

City: Mülheim an der Ruhr

State: _____

Country: Germany Zip: 45470

Additional name(s) of conveying party(ies) 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) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: NORRIS McLAUGHLIN & MARCUS, P.A.

Internal Address: Kurt G. Briscoe

Street Address: 875 Third Avenue - 18th Floor

City: New York

State: New York Zip: 10022

Phone Number: (212) 808-0700

Fax Number: (212) 808-0844

Email Address: kgbriscoe@nmmlaw.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 _____
 Expiration Date _____

b. Deposit Account Number 14-1263

Authorized User Name Kurt G. Briscoe

9. Signature:

Signature

Date

KURT G. BRISCOE, Reg. No. 33,141

Name and Registration No. 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 (703) 306-5995, or mailed to:

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Attorney Docket. No.:

ASSIGNMENT

In consideration of One Dollar (\$1.00) in hand paid and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned [hereinafter (collectively) named "Assignor"] hereby assigns and transfers to

**Studiengesellschaft Kohle mbH
Kaiser-Wilhelm-Platz 1
45470 Mülheim an der Ruhr
GERMANY**

, a German corporation (hereinafter named "Assignee"), its successors, legal representatives and assigns, the entire right, title and interest in and to Assignor's application for Letters Patent of the United States, executed concurrently herewith unless otherwise indicated herein, entitled

Mixtures of Chiral Monophosphorous Compounds Used as Ligand Systems for Asymmetric Transition Metal Catalysis

and to Assignor's entire right, title and interest in any and all inventions, whether joint or sole, disclosed in said application for Letters Patent, and in any and all divisional or continuation or renewal applications that may be filed for United States Letters Patent for any and all of said inventions, and in and to any and all patents that may be granted on the foregoing applications and any reissue or extension thereof, and in any and all improvements thereon or relating thereto which the Assignor has invented or may hereafter invent.

The Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all of said Letters Patent to said Assignee.

For said consideration, the Assignor hereby agrees upon the request of said Assignee, its successors, legal representatives or assigns, to execute any and all United States divisional, continuation and renewal applications for said invention or improvements, and any and all necessary oaths, supplemental oaths or declarations or supplemental declarations or affidavits relating thereto, and any application for the reissue or extension of any United States Letters Patent that may be granted upon said application that said Assignee, its successors, legal representatives or assigns may deem necessary or expedient.

For the said consideration the Assignor further agrees upon the request of said Assignee, its successors, legal representatives or assigns, in the event of said application or any division thereof, or Letters Patent issued thereon or any reissue or application for the reissue thereof, becoming involved in interference, to cooperate to the best of the ability of the Assignor with said Assignee, its successors, legal representatives or assigns in the matters of preparing and executing the Preliminary Statement, and giving and producing evidence in support thereof, the Assignor hereby agreeing to perform upon such request, any and all affirmative acts necessary to obtain said Letters Patent and vest all rights therein

hereby conveyed in said Assignee, its successors, legal representatives or assigns as fully and entirely as the same would have been held and enjoyed by the assignor if this assignment and sale had not been made.

Assignor hereby binds himself, his heirs, legal representatives, administrators, and assigns properly to execute without further consideration, any and all applications, petitions, oaths, assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment and transfer hereby made, or intended or agreed to be made.

And for said considerations, the Assignor hereby assigns to said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in said invention or improvement for any and all foreign countries and agrees upon the request of said Assignee, its successors, legal representatives or assigns to execute any and all documents that shall be required of the Assignor to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee, its successors, legal representatives or assigns.

Signature: M. T. Reetz
Manfred T. Reetz

Date: March 3, 2005

Signature: T. Sell
Thorsten Sell

Date: March 1, 2005

Signature: Andreas Meiswinkel
Andreas Meiswinkel

Date: February 25, 2005

Signature: Gerlinde Mehler
Gerlinde Mehler

Date: February 24, 2005

Signature: _____

Date: _____

Signature: _____

Date: _____