

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**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)/Execution Date(s):ZHAO, Shizhong
CAI, Yeping
HU, XD
LADEBECK, Jurgen
WAGNER, Jon P.Execution Date(s) July 9, 2004Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**2. Name and address of receiving party(ies)**Name: Sud-Chemie Inc.Internal Address: A Delaware CorporationStreet Address: 1600 West Hill StreetCity: LouisvilleState: KentuckyCountry: USAZip: 40210Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ 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)

10/888,645

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Sud-Chemie Inc.Internal Address: IP/Legal DepartmentStreet Address: 1600 West Hill StreetCity: LouisvilleState: KentuckyZip: 40210Phone Number: 502-634-7200Fax Number: 502-634-7724Email Address: jsimunic@sud-chemieinc.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ N/A**

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

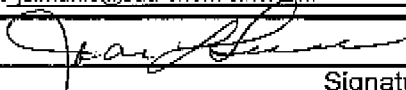
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Signature

2/9/05

Date

Joan L. Simunic, Reg. No. 43,125

Name of Person Signing

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07-21-2004

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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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WAGNER, Jon P.

7-9-04

Execution Date(s)

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2. Name and address of receiving party(ies)

Name: Sud-Chemie Inc.

Internal Address: A Delaware Corporation

Street Address:

City: Louisville

State: Kentucky

Country: USA Zip: 40210

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

4. Application or patent number(s):

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10888645

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Name: Sud-Chemie Inc.

Internal Address: IP/Legal Department

Street Address: 1600 West Hill Street

City: Louisville

State: Kentucky Zip: 40210

Phone Number: 502-634-7200

Fax Number: 502-634-7724

Email Address: jsimunic@sud-chemieinc.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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PATENT
REEL: 015694 FRAME: 0586

ASSIGNMENT OF INVENTION
AND OF LETTERS PATENT


Whereas, we, the **Inventors**, Shizhong Zhao, whose post office address is 3411 Ascot Circle, Louisville, KY 40241, and Yeping Cai, whose post office address is 12910 Willow Forest Drive, Louisville, KY 40245, and X.D. Hu, whose post office address is 7201 Wood Briar Road, Louisville, KY 40241, and Jürgen Ladebeck, whose post office address is 8210 Eagle Creek Drive, Louisville, KY 40222, and Jon P. Wagner, whose post office address is 9906 Wyncliff Court, Louisville, KY 40241 have invented certain improvements in a **PROMOTED CALCIUM-ALUMINATE SUPPORTED CATALYSTS FOR SYNTHESIS GAS GENERATION** ("**Invention**"), and have executed a utility application for United States Letters Patent of the same title filed herewith ("**Application**"); and

Whereas, **Assignee**, Sud-Chemie Inc., of Louisville, Kentucky, a(n) Delaware corporation whose post office address is 1600 West Hill Street, Louisville, Kentucky 40210 (including its successors and assigns), desires to acquire our entire right, title and interest in said **Application** and **Invention**, and any United States and foreign patents to be obtained therefor;

Now therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign and transfer unto said **Assignee**, the entire right, title and interest in said **Application** and the **Invention** disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended and the entire right, title, and interest in and to any and all patent applications, patents, continuations, continuations-in-part, divisionals, and reissues based thereon which may be filed or granted therefor in the United States or any foreign country. We also agree that **Assignee**, may apply for foreign Letters Patent on the **Invention**, and we agree to cooperate

with **Assignee**, and to execute without additional consideration any additional documents as deemed necessary by **Assignee**, to apply for or maintain patents or other legal protection for the **Invention** in any country of the world.

We hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the invention set forth in this **Application** to said **Assignee**.


Shizhong Zhao

Executed this 9th day of July, 2004 at Louisville, Kentucky.

STATE OF KENTUCKY

)

) SS:

COUNTY OF JEFFERSON

)

Before me personally appeared Shizhong Zhao, and acknowledged the foregoing instrument to be his free act and deed this 9th day of July, 2004.

My Commission expires: December 27, 2006

(Seal)


Julia M. Davis
Notary Public


Yeping Cai

Executed this 9th day of July, 2004 at Louisville, Kentucky.

STATE OF KENTUCKY

)

) SS:

COUNTY OF JEFFERSON

)

Before me personally appeared Yeping Cai, and acknowledged the foregoing instrument to be his free act and deed this 9th day of July, 2004.

My Commission expires: December 27, 2006

(Seal)

Julia M. Daisy
Notary Public

X.D. Hu
X.D. Hu

Executed this 9th day of July, 2004 at Louisville, Kentucky.

STATE OF KENTUCKY

)

) SS:

COUNTY OF JEFFERSON

)

Before me personally appeared Xiaodong Hu, and acknowledged the foregoing instrument to be his free act and deed this 9th day of July, 2004.

My Commission expires: December 27, 2006

(Seal)

Julia M. Daisy
Notary Public

Jürgen Ladebeck
Jürgen Ladebeck

Executed this 9th day of July, 2004 at Louisville, Kentucky.

STATE OF KENTUCKY

)

) SS:

COUNTY OF JEFFERSON

)

Before me personally appeared Jürgen Ladebeck, and acknowledged the foregoing instrument to be his free act and deed this 9th day of July, 2004.

My Commission expires: December 27, 2006

(Seal)

Julia M. Daisy
Notary Public

Jon P. Wagner
Jon P. Wagner

Executed this 9 day of July, 2004 at Louisville, Kentucky.

STATE OF KENTUCKY

)

) SS:

COUNTY OF JEFFERSON

)

Before me personally appeared Jon P. Wagner, and acknowledged the foregoing instrument to be his free act and deed this 9th day of July, 2004.

My Commission expires: December 27, 2006

(Seal)

Julia M. Laisy
Notary Public