

FORM PTO-1595 (Rev.10-02) OMB No. 0651-0027 (exp. 6/30/2005)

**RECORDATION FORM SHEET COVER
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

<p>1. Name of conveying party(ies):</p> <p style="margin-left: 20px;">Zhiping Shan Thomas Maschmeyer Jacobus Cornelis Jansen</p> <p>Additional name(s) of conveying party(ies) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> Assignment</td> <td><input type="checkbox"/> Merger</td> </tr> <tr> <td><input type="checkbox"/> Security/Agreement</td> <td><input type="checkbox"/> Change of Name</td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table> <p>Execution Date: <u>December 22, 2004 and March 10, 2005</u></p>	<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	<input type="checkbox"/> Security/Agreement	<input type="checkbox"/> Change of Name	<input type="checkbox"/> Other		<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>ABB Lummus Global, Inc.</u></p> <p>Internal Address:</p> <p>Street Address: <u>1515 Broad Street</u></p> <p>City: <u>Bloomfield</u></p> <p>State: <u>New Jersey</u></p> <p>Zip: <u>07003</u></p> <p>Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger						
<input type="checkbox"/> Security/Agreement	<input type="checkbox"/> Change of Name						
<input type="checkbox"/> Other							

4. Application number(s) or patent number(s): 6,814,950

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

A. Patent Application No.(s)	B. Patent No.(s)
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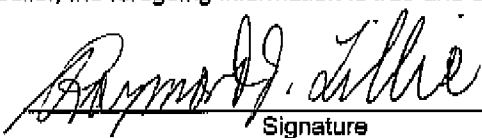
Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Raymond J. Lillie</u></p> <p>Internal Address: <u>Carella, Byrne, Bain, Gilfillan, Cacchi, Stewart & Olstein</u></p> <p>Street Address: <u>5 Becker Farm Road</u></p> <p>City: <u>Roseland</u> State: <u>New Jersey</u> Zip: <u>07068</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <hr/> <p>7. Total fee (37 CFR 3.41)...<u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <hr/> <p>8. Deposit account number: <u>03-0678</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

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.

<p><u>Raymond J. Lillie</u></p> <p>Name of Person Signing</p>	 <p>Signature</p>	<p><u>March 22, 2005</u></p> <p>Date</p>
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Total number of pages including cover sheet, attachments, and document: 9

CH \$40.00 030678 6814950

i1954 v1

Mail documents to be recorded with required cover sheet information to:
Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Zhiping Shan, Thomas Maschmeyer, and Jacobus Cornelis Jansen, hereby sells, assigns and transfers to: ABB Lummus Global, Inc. ("Assignee"), having a place of business at 1515 Broad Street, Bloomfield, New Jersey, 07003, their successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as: United States Patent No. 6,814,950, issued on November 9, 2001 and/or executed on even date herewith and is entitled:

Inorganic Oxides with mesoporosity or Combined Meso-And Microporosity and Process for the Preparation Thereof

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original, re-examined and reissued patents and extensions thereof which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Improvements").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said Improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such Improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said Improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said Improvements and for vesting title to said Improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants power to John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); William Squire (Reg. No. 25,378); Alan J. Grant (Reg. No. 33,389); Francis C. Hand (Reg. No. 22,280); G. Glennon Troublefield (Reg. No. 39050); and Raymond E. Stauffer (Reg. No. 47,109) to insert on this Assignment any further identification 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. Address correspondence and telephone calls to Raymond J. Lillie, c/o Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 5 Becker Farm Road, Roseland, New Jersey 07068.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: Zhiping Shan Date: 12/22/04
Zhiping Shan

STATE OF TX, COUNTY OF TRAVIS: 153 11 1673

Before me this 22 day of DEC, 2004, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.



Beverly Polyniak
Notary Public

Inventor's Signature: _____ Date: _____
Thomas Maschmeyer

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

PAGE 2

Inventor's Signature: _____ Date:
Jacobus Cornelis Jansen

STATE OF _____, COUNTY OF _____ ; SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART & OLSTEIN
5 Becker Farm Road - Roseland, NJ 07068 - (973) 994-1700

Docket No. 415000-695
#141016 v2

PATENT
REEL: 015942 FRAME: 0334

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Zhiping Shan, Thomas Maschmeyer, and Jacobus Cornelis Jansen, hereby sells, assigns and transfers to: ABB Lummus Global, Inc. ("Assignee"), having a place of business at 1515 Broad Street, Bloomfield, New Jersey, 07003, their successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as: United States Patent No. 6,814,950, issued on November 9, 2001 and/or executed on even date herewith and is entitled:

Inorganic Oxides with mesoporosity or Combined Meso-And Microporosity and Process for the Preparation Thereof

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original, re-examined and reissued patents and extensions thereof which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Improvements").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said Improvements in its own name; and, when requested, without charge to but at the expense of Assignee; its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such Improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said Improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said Improvements and for vesting title to said Improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: _____ Date: _____
Zhiping Shan

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

Inventor's Signature: _____ Date: 22/12/04
Thomas Maschmeyer

STATE OF N.J., COUNTY OF _____ : SS.: AUSTINIA

Before me this 22nd day of December, 2004, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Jacobus Cornelis Jansen
Notary Public
8500517

PAGE 2

Inventor's Signature: _____ Date:
Jacobus Cornelis Jansen

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART & OLSTEIN
5 Becker Farm Road - Roseland, NJ 07068 - (973) 994-1700

Docket No. 415000-695
#141016 v2

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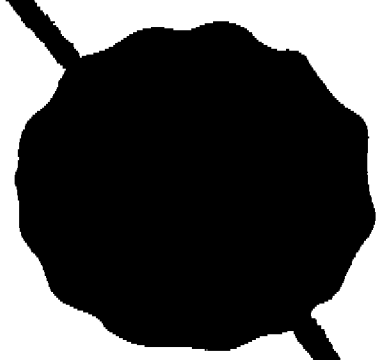


Seen by me, mr. Cornelis Adrianus de Zeeuw, civil-law notary practising in The Hague,
for the authentication of the signature on the attached document of:
Mr Jacobus Cornelis Jansen, born on August 3. 1041 in The Hague, The Netherlands,
holder of a Dutch passport, number ND4100331.

The Hague, The Netherlands, March 16. 2005



[Handwritten signature]



All instructions are carried out on the basis of an agreement as meant in Section 400 of Book 7 of the Dutch Civil Code by Pels Rijcken & Droogleever Fortuijn, a partnership consisting of private companies with limited liability. The agreement is subject to terms of business registered with the District Court of The Hague. A limitation of liability is included in these terms of business. The terms of business will be provided on request. These can also be accessed at www.prdf.nl.

PATENT
REEL: 015942 FRAME: 0337

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Zhiping Shan, Thomas Maschmeyer, and Jacobus Cornelis Jansen, hereby sells, assigns and transfers to: ABB Lummus Global, Inc. ("Assignee"), having a place of business at 1515 Broad Street, Bloomfield, New Jersey, 07003, their successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as: United States Patent No. 6,814,950, issued on November 9, 2001 and/or executed on even date herewith and is entitled:

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and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original, re-examined and reissued patents and extensions thereof which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Improvements").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said Improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such Improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said Improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said Improvements and for vesting title to said Improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: _____ Date: _____
Zhiping Shan

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

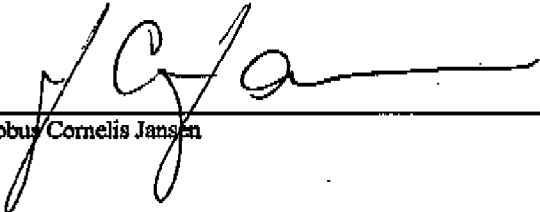
Inventor's Signature: _____ Date: _____
Thomas Maschmeyer

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

.GE 2



Inventor's Signature: _____
Jacobus Cornelis Jansen

Date: 10-03-'05

STATE OF _____, COUNTY OF _____ : SS.:

Before me this _____ day of _____, 2002, personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART & OLSTEIN
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Docket No. 415000-695
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