

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

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

<p>1. Name of conveying party(ies):</p> <table style="width: 100%;"> <tr> <td>ROBERT H. JENSEN</td> <td>KOJI HARA</td> </tr> <tr> <td>JEFFERY C. BRICKER</td> <td>KENJI KIKUCHI</td> </tr> <tr> <td>QIANJUN CHEN</td> <td>MASAO TAKAYAMA</td> </tr> <tr> <td>HIROYUKI SERIZAWA</td> <td>MASARU TATSUSHIMA</td> </tr> <tr> <td></td> <td>ISAO TSUNOKUMA</td> </tr> </table> <p>Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	ROBERT H. JENSEN	KOJI HARA	JEFFERY C. BRICKER	KENJI KIKUCHI	QIANJUN CHEN	MASAO TAKAYAMA	HIROYUKI SERIZAWA	MASARU TATSUSHIMA		ISAO TSUNOKUMA	<p>2. Name and address of receiving party(ies):</p> <p>Name: UOP LLC</p> <p>Internal address:</p> <p>Street Address: 25 EAST ALGONQUIN ROAD P.O. BOX 5017</p> <p>City: DES PLAINES State: ILLINOIS Zip: 60017-5017</p> <p>Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
ROBERT H. JENSEN	KOJI HARA										
JEFFERY C. BRICKER	KENJI KIKUCHI										
QIANJUN CHEN	MASAO TAKAYAMA										
HIROYUKI SERIZAWA	MASARU TATSUSHIMA										
	ISAO TSUNOKUMA										
<p>3. Nature of conveyance:</p> <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Assignment</td> <td>Merger</td> </tr> <tr> <td>Security Agreement</td> <td>Change of Name</td> </tr> <tr> <td colspan="2">Other _____</td> </tr> </table> <p>Execution Date: 11/6/98, 11/9/98, 11/6/98, 11/13/98, 11/13/98, 11/13/98, 11/13/98, 11/13/98, 11/13/98, 11/13/98</p>	<input checked="" type="checkbox"/> Assignment	Merger	Security Agreement	Change of Name	Other _____						
<input checked="" type="checkbox"/> Assignment	Merger										
Security Agreement	Change of Name										
Other _____											

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: _____

<p>A. Patent Application No.(s)</p> <p style="text-align: center; font-size: 1.2em;">09/185,189</p>	<p>B. Patent No.(s)</p>
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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: UOP LLC</p> <p>Internal address: ATTN: JOHN G. TOLOMEI</p> <p>Street Address: 25 EAST ALGONQUIN ROAD P.O. BOX 5017</p> <p>City: DES PLAINES State: ILLINOIS Zip: 60017-5017</p>	<p>6. Total number of applications and patents involved: 1</p> <hr/> <p>7. Total fee (37 CFR 3.41) \$40.00</p> <p style="text-align: center;">Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <hr/> <p>8. Deposit account number: 21-0600</p> <p style="text-align: center;">(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>FRANK S. MOLINARO</p> <p style="font-size: 0.8em;">Name of Person Signing</p>	<p style="font-size: 0.8em;">Signature</p>	<p>7 Aug., 2000</p> <p style="font-size: 0.8em;">Date</p>
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Total number of pages including cover sheet, attachments, and documents: **9**

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185,189

Title: **LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING AND USING THE COMPOSITION**

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, ROBERT H. JENSEN, a citizen of THE UNITED STATES OF AMERICA, residing in the City of HINSDALE, in the County of DU PAGE and State of ILLINOIS; JEFFERY C. BRICKER, a citizen of THE UNITED STATES OF AMERICA, residing in the City of BUFFALO GROVE, in the County of LAKE and State of ILLINOIS; and QIANJUN CHEN, a citizen of THE PEOPLES REPUBLIC OF CHINA residing in the City of DES PLAINES in the County of COOK and State of ILLINOIS; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Robert H. Jensen
Signature of: ROBERT H. JENSEN, Date 11/6/98 Date Executed 11/6/98
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, 11/6/98, personally appeared ROBERT H. JENSEN, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

Sharon M. Lambert
Notary Public

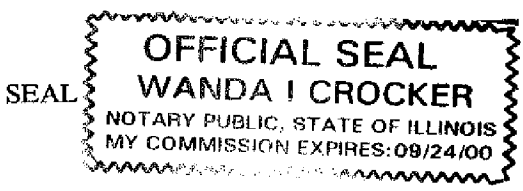


Jeffery C. Bricker
Signature of: JEFFERY C. BRICKER, Date 11/9/98 Date Executed 11/9/98
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, Nov. 9, 1998, personally appeared JEFFERY C. BRICKER, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

Wanda I. Crocker
Notary Public



Qianjun Chen
Signature of: QIANJUN CHEN, Date 11/6/98 Date Executed 11/6/98
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, 11/6/98, personally appeared QIANJUN CHEN, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

Sharon M. Lambert
Notary Public



ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185 189

Title: LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING
AND USING THE COMPOSITION

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, HIROYUKI SERIZAWA, a citizen of JAPAN, residing in the City of KANAGAWA-KEN, in the Country of JAPAN; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Hiroyuki Serizawa 11/13/98
 Signature of: HIROYUKI SERIZAWA, Date

WITNESS:

Name: HIDEO MORI

Signature: Hideo Mori

Dated this 13th day of November, 1998.

Docket # FSM98-01

Form Revised 6/1/98

ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185 189

Title: LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING
AND USING THE COMPOSITION

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, KOJI HARA, a citizen of JAPAN, residing in the City of KANAGAWA-KEN, in the Country of JAPAN; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Koji Hara 11/13/98
Signature of: KOJI HARA, Date

WITNESS:

Name: HIDEO MORI

Signature: Hideo Mori

Dated this 13th day of November, 1998.

Docket # FSM98-01

Form Revised 6/1/98

PATENT
REEL: 010861 FRAME: 0710

ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185 189

Title: LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING
AND USING THE COMPOSITION

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, MASAO TAKAYAMA, a citizen of JAPAN, residing in the City of KANAGAWA-KEN, in the Country of JAPAN; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Masao Takayama 11/13/1998
Signature of: MASAO TAKAYAMA, Date

WITNESS:

Name: HIDEO MORI

Signature: Hideo Mori

Dated this 13th day of November, 1998.

Docket # FSM98-01

Form Revised 6/1/98

ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185 189

Title: LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING
AND USING THE COMPOSITION

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, MASARU TATSUSHIMA, a citizen of JAPAN, residing in the City of KANAGAWA-KEN, in the Country of JAPAN; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Masaru Tatsushima 11/13/98
Signature of: MASARU TATSUSHIMA, Date

WITNESS:

Name: HIDEO MORI

Signature: Hideo Mori

Dated this 13th day of November, 1998.

Docket # FSM98-01

Form Revised 6/1/98

ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. _____

U.S. Utility Patent Application No. 09/185 189

Title: LAYERED CATALYST COMPOSITION AND PROCESSES FOR PREPARING
AND USING THE COMPOSITION

Attorney Docket No. FSM98-01

Filed: _____

WHEREAS, ISAO TSUNOKUMA, a citizen of JAPAN, residing in the City of KANAGAWA-KEN, in the Country of JAPAN; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor(s) does/do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventor(s) has/have set his/her signature hereunto on the date specified below.

Isao Tsunokuma 11/13/98
Signature of: ISAO TSUNOKUMA, Date

WITNESS:

Name: HIDEO MORI

Signature: Hideo Mori

Dated this 13th day of November, 1998.

Docket # FSM98-01

Form Revised 6/1/98

UOP LLC
25 E. Algonquin Road
P.O. Box 5017
Des Plaines, IL 60017-5017
Phone: 847-391-2040
Fax: 847-391-2387

facsimile transmittal

Dept:	ASSIGNMENT RECORDATIONS	From:	SUZANNE M. COTUGNO, PATENT DEPT
Fax:	703-306-5995	Date:	08/07/00
Phone:	703-308-9723	Phone:	847-391-2040
Re:	SERIAL NUMBER: 09/185,189	Fax:	847-391-2387
Acct:	DEPOSIT ACCOUNT NO. 21-0600	Pages:	<u>10</u> INCLUDING THIS PAGE

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