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RECORDATION FORM COVER SHEET


U.S. DEPARTMENT OF

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

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

1. Name of conveying party(ies): MASARU ICHIKAWA RYUICHIRO OHNISHI LINSHENG WANG Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: UOP LLC Internal address: Street Address: 25 EAST ALGONQUIN ROAD P.O. BOX 5017 City: DES PLAINES State: ILLINOIS Zip: 60017-5017 Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Merger Security Agreement Change of Name Other _____ Execution Date: 1/22/99, 1/22/99, 1/22/99			
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) 09/232,351 Additional numbers attached? Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: UOP LLC Internal address: ATTN: JOHN G. TOLOMEI Street Address: 25 EAST ALGONQUIN ROAD P.O. BOX 5017 City: DES PLAINES State: ILLINOIS Zip: 60017-5017		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 21-0600 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"><div>FRANK S. MOLINARO Name of Person Signing</div><div> Signature</div><div>11 JAN. 2001 Date</div></div> Total number of pages including cover sheet, attachments, and documents: 7			

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

700003582

PATENT
REEL: 011234 FRAME: 0906

ASSIGNMENT

WHEREAS, Masaru Ichikawa, a citizen of JAPAN, residing in the City of SAPPORO in the Country of JAPAN, hereinafter referred to as inventor has invented certain new and useful improvements entitled A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST for which inventor is about to file a United States provisional patent application and/or an application for Letters Patent of the United States, bearing docket number 103494; and

WHEREAS, UOP, a company organized and existing under the laws of the State of New York having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said applications(s), the invention(s) 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 does hereby transfer, set over and assign unto said UOP, its successors and assigns, the entire right, title and interest in, to and under said provisional application and/or application for Letters Patent, and the invention(s) covered thereby, and the resultant patent or patents thereon, or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, including all foreign rights thereunder, all such inventions as fully set forth and described in the United States provisional patent application and/or the application for Letters Patent of the United States executed by inventor on the date specified below. Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP, its successors and assigns.

IN WITNESS WHEREOF, the inventor has set his signature hereunto on the date specified below.

Signature: Masaru Ichikawa
Masaru Ichikawa

WITNESS:

Name: Atsushi Fukuoka

Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.

DEED OF TRANSFER

The right of obtaining a United States Patent based on the Invention described in the patent application entitled, "A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST" is duly transferred. Ownership, right, title and interest in, to and under the application and the invention(s) covered thereby and the resultant patent or patents thereon or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or division thereof, including all rights to foreign counterparts thereunder are hereby duly transferred and assigned.

TRANSFeree:

Address: 25 East Algonquin Road
P. O. Box 5017
Des Plaines, IL 60017-5017
Name: UOP

TRANSFEROR:

Address: 4-22-22, Nishi-Ku, Hachiken 3-Jyo
Nishi 4-chyome Sapporo Japan
Name: Masaru Ichikawa
Signature: Masaru Ichikawa

WITNESS

Name: Atsushi Fukuoka
Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.

ASSIGNMENT

WHEREAS, Ryuichiro Ohnishi, a citizen of JAPAN, residing in the City of SAPPORO in the Country of JAPAN, hereinafter referred to as inventor has invented certain new and useful improvements entitled A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST for which inventor is about to file a United States provisional patent application and/or an application for Letters Patent of the United States, bearing docket number 103494; and

WHEREAS, UOP, a company organized and existing under the laws of the State of New York having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said applications(s), the invention(s) 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 does hereby transfer, set over and assign unto said UOP, its successors and assigns, the entire right, title and interest in, to and under said provisional application and/or application for Letters Patent, and the invention(s) covered thereby, and the resultant patent or patents thereon, or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, including all foreign rights thereunder, all such inventions as fully set forth and described in the United States provisional patent application and/or the application for Letters Patent of the United States executed by inventor on the date specified below. Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP, its successors and assigns.

IN WITNESS WHEREOF, the inventor has set his signature hereunto on the date specified below.

Signature: Ryuichiro Ohnishi
Ryuichiro Ohnishi

WITNESS:

Name: Atsushi Fukuoka

Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.

DEED OF TRANSFER

The right of obtaining a United States Patent based on the Invention described in the patent application entitled, "A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST" is duly transferred. Ownership, right, title and interest in, to and under the application and the invention(s) covered thereby and the resultant patent or patents thereon or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or division thereof, including all rights to foreign counterparts thereunder are hereby duly transferred and assigned.

TRANSFeree:

Address: 25 East Algonquin Road
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Des Plaines, IL 60017-5017

Name: UOP

TRANSFEROR:

Address: 3-8, Shiraishi-Ku, Kitago, 2-jo
7-chyome Sapporo JAPAN

Name: Ryuichiro Ohnishi

Signature: Ryuichiro Ohnishi

WITNESS

Name: Atsushi Fukuoka

Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.

ASSIGNMENT

WHEREAS, Linsheng Wang, a citizen of JAPAN, residing in the City of SAPPORO in the Country of JAPAN, hereinafter referred to as inventor has invented certain new and useful improvements entitled A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST for which inventor is about to file a United States provisional patent application and/or an application for Letters Patent of the United States, bearing docket number ; and

WHEREAS, UOP, a company organized and existing under the laws of the State of New York having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said applications(s), the invention(s) 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 does hereby transfer, set over and assign unto said UOP, its successors and assigns, the entire right, title and interest in, to and under said provisional application and/or application for Letters Patent, and the invention(s) covered thereby, and the resultant patent or patents thereon, or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, including all foreign rights thereunder, all such inventions as fully set forth and described in the United States provisional patent application and/or the application for Letters Patent of the United States executed by inventor on the date specified below. Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP, its successors and assigns.

IN WITNESS WHEREOF, the inventor has set his signature hereunto on the date specified below.

Signature: Linsheng Wang
Linsheng Wang

WITNESS:

Name: Atsushi Fukuoka

Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.

DEED OF TRANSFER

The right of obtaining a United States Patent based on the Invention described in the patent application entitled, "A CATALYST FOR THE CONVERSION OF LOW CARBON NUMBER ALIPHATIC HYDROCARBONS TO HIGHER CARBON NUMBER HYDROCARBONS, PROCESS FOR PREPARING THE CATALYST AND PROCESS USING THE CATALYST" is duly transferred. Ownership, right, title and interest in, to and under the application and the invention(s) covered thereby and the resultant patent or patents thereon or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or division thereof, including all rights to foreign counterparts thereunder are hereby duly transferred and assigned.

TRANSFeree:

Address: 25 East Algonquin Road
P. O. Box 5017
Des Plaines, IL 60017-5017
Name: UOP

TRANSFEROR:

Address: 20-412, Kita-Ku, Kita 20-jo
Nishi 7-chyome Sapporo JAPAN
Name: Linsheng Wang
Signature: Linsheng Wang

WITNESS

Name: Atsushi Fukuoka
Signature: Atsushi Fukuoka

Dated this 22 day of January, 1999.