

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| CHRISTOPHER J VOGEL | 05/09/2006 |
| DEAN E RENDE | 05/09/2006 |
| RECEIVING PARTY DATA | |
| Name: | UOP LLC |
| Street Address: | 25 E ALGONQUIN ROAD |
| Internal Address: | PATENT DEPARTMENT |
| City: | DES PLAINES |
| State/Country: | ILLINOIS |
| Postal Code: | 60017 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 11357534 |
| CORRESPONDENCE DATA | |
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| Address Line 4: | DES PLAINES, ILLINOIS 60017 |
| ATTORNEY DOCKET NUMBER: | 107332B |
| NAME OF SUBMITTER: | MICHAEL A MOORE |
| Total Attachments: 3 source=11-357,534#page1.tif | |

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PATENT
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ASSIGNMENT



U.S. Provisional Application



U.S. Utility Patent Application

Attorney Docket No. 107332B

WHEREAS, **Christopher J. Vogel**, a citizen of United States of America, residing in the City of Chicago, in the County of Cook and State of Illinois, **Dean E. Rende**, a citizen of United States of America, residing in the City of Arlington Heights, in the County of Cook and State of Illinois, **Andrea G. Bozzano**, a citizen of United States of America, residing in the City of Des Plaines, in the County of Cook and State of Illinois, **Paul G. Wing**, a citizen of United States of America, residing in the City of Wheaton, in the County of DuPage and State of Illinois, and hereinafter referred to as "the inventors" have invented certain new and useful improvements titled

DEHYDROGENATION PROCESS WITH WATER AND TEMPERATURE CONTROL

WHEREAS, the inventors hereby authorize and request their attorney/agent of record to have inserted on each page (where indicated below) the filing date and application number of said application when known; 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 inventors 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. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

Application No. 11/357,534 filed February 17, 2006

Atty. Docket # 107332B

PATENT sed 3-21-00

REEL: 017653 FRAME: 0732

Christopher J. Vogel

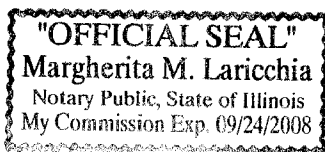
Date _____

Date Executed
Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, May 9, 2006, personally appeared **Christopher J. Vogel**, 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.

SEAL



Notary Public

Dean E. Rende

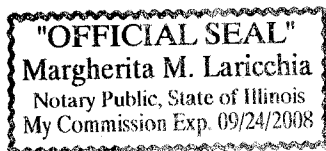
Date _____

Date Executed
Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, May 9, 2006, personally appeared **Dean E. Rende**, 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.

SEAL



Notary Public

Application No. 11/357,534 filed February 17, 2006

Atty. Docket # 107332B

PATENT Form Revised 3-21-00

REEL: 017653 FRAME: 0733

Andrea G. Bozzano 5/9/06 5/9/06

 Date Date Executed
 Application for Letters Patent

State of Illinois
 County of Cook

Before me, on this day, May 9, 2006, personally appeared **Andrea G. Bozzano**, 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.

SEAL



Margherita M. Laricchia

 Notary Public

Paul G. Wing MAY 17, 2006 MAY 17, 2006

 Date Date Executed
 Application for Letters Patent

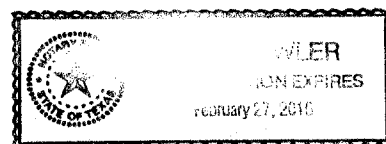
State of ~~Illinois~~ TEXAS
 County of ~~Cook~~ DALLAS

Before me, on this day, MAY 17, 2006, personally appeared **Paul G. Wing**, 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.

SEAL

Lillie Fowler

 Notary Public



Application No. 11/357,534 filed February 17, 2006

Atty. Docket # 107332B

RECORDED: 05/22/2006

PATENT filed 3-21-00

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