

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|------------------------|---------------|----------------|---------------------|------------------------|-------------------|-------------------|--------------------------|-------------|-----------------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>MANUELA SERBAN</td> <td>04/06/2009</td> </tr> <tr> <td>LISA M KING</td> <td>04/06/2009</td> </tr> <tr> <td>ALAKANANDA BHATTACHARYYA</td> <td>04/08/2009</td> </tr> <tr> <td>KURT M VANDEN BUSSCHE</td> <td>04/08/2009</td> </tr> </tbody> </table> | | Name | Execution Date | MANUELA SERBAN | 04/06/2009 | LISA M KING | 04/06/2009 | ALAKANANDA BHATTACHARYYA | 04/08/2009 | KURT M VANDEN BUSSCHE | 04/08/2009 | | |
| Name | Execution Date | | | | | | | | | | | | |
| MANUELA SERBAN | 04/06/2009 | | | | | | | | | | | | |
| LISA M KING | 04/06/2009 | | | | | | | | | | | | |
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| KURT M VANDEN BUSSCHE | 04/08/2009 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>UOP LLC</td> </tr> <tr> <td>Street Address:</td> <td>25 EAST ALGONQUIN ROAD</td> </tr> <tr> <td>Internal Address:</td> <td>PATENT DEPARTMENT</td> </tr> <tr> <td>City:</td> <td>DES PLAINES</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60017</td> </tr> </table> | | Name: | UOP LLC | Street Address: | 25 EAST ALGONQUIN ROAD | Internal Address: | PATENT DEPARTMENT | City: | DES PLAINES | State/Country: | ILLINOIS | Postal Code: | 60017 |
| Name: | UOP LLC | | | | | | | | | | | | |
| Street Address: | 25 EAST ALGONQUIN ROAD | | | | | | | | | | | | |
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| State/Country: | ILLINOIS | | | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12328503</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12328503 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12328503 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (847)391-2387 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 847-391-2040 Email: ROSE.NAGEL@UOP.COM Correspondent Name: Honeywell International Inc Address Line 1: 101 Columbia Road P. O. Box 2245 Address Line 2: Mail Stop AB/2B Patent Services Address Line 4: Morristown, NEW JERSEY 07962</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | H0020563-01 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | ROSE A NAGEL | | | | | | | | | | | | |

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PATENT
 REEL: 022540 FRAME: 0684

Total Attachments: 2

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ASSIGNMENT

WHEREAS, **MANUELA SERBAN**, a citizen of the United States of America, residing in Glenview, Illinois; **LISA M. KING**, a citizen of the United States of America, residing in Lake in the Hills, Illinois; **ALAKANANDA BHATTACHARYYA**, a citizen of the United States of America, residing in Glen Ellyn, Illinois; and **KURT M. VANDEN BUSSCHE**, a citizen of Belgium, residing in Lake in the Hills, Illinois; and hereinafter referred to as "the inventors" have invented certain new and useful improvements in **SIMULTANEOUS WARM GAS DESULFURIZATION AND CO-SHIFT FOR IMPROVED SYNGAS CLEANUP**. 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, any corresponding foreign patent application disclosing the same invention and the Letters Patents of the United States and foreign countries that may be issued thereon. NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the inventors do hereby transfer, set over and assign unto 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.

Manuela Serban
Manuela Serban
04-06-09
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 6th day of April, 2009, by Manuela Serban.
Jeanine Poparad
 Notary Public (SEAL)



Lisa M. King
Lisa M. King
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this _____ day of _____, 2009, by Lisa M. King.

 Notary Public (SEAL)

Alakananda Bhattacharyya
Alakananda Bhattacharyya
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this _____ day of _____, 2009, by Alakananda Bhattacharyya.

 Notary Public (SEAL)

Kurt M. Vanden Bussche
Kurt M. Vanden Bussche
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this _____ day of _____, 2009, by Kurt M. Vanden Bussche.

 Notary Public (SEAL)

ASSIGNMENT

WHEREAS, **MANUELA SERBAN**, a citizen of the United States of America, residing in Glenview, Illinois; **LISA M. KING**, a citizen of the United States of America, residing in Lake in the Hills, Illinois; **ALAKANANDA BHATTACHARYYA**, a citizen of the United States of America, residing in Glen Ellyn, Illinois; and **KURT M. VANDEN BUSSCHE**, a citizen of Belgium, residing in Lake in the Hills, Illinois; and hereinafter referred to as "the inventors" have invented certain new and useful improvements in **SIMULTANEOUS WARM GAS DESULFURIZATION AND CO-SHIFT FOR IMPROVED SYNGAS CLEANUP**. 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, any corresponding foreign patent application disclosing the same invention and the Letters Patents of the United States and foreign countries that may be issued thereon. NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the inventors do hereby transfer, set over and assign unto 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.

Manuela Serban

 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this _____
 day of _____, 2009, by **Manuela Serban**.

 Notary Public

(SEAL)

LM King

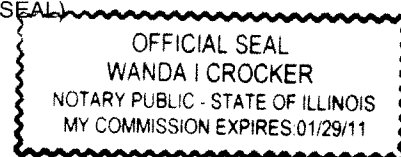
Lisa M. King
 4/6/09

 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 6
 day of APRIL, 2009, by **Lisa M. King**.
Wanda J. Crocker

 Notary Public

(SEAL)



Alakananda Bhattacharyya

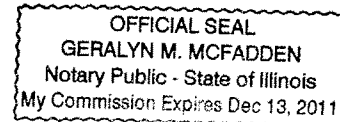
Alakananda Bhattacharyya
 4/8/09

 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 8th
 day of April, 2009, by **Alakananda Bhattacharyya**.
Geralyn M. McFadden

 Notary Public

(SEAL)



Kurt M. Vanden Bussche

Kurt M. Vanden Bussche
 04/03/09

 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 8th
 day of April, 2009, by **Kurt M. Vanden Bussche**.
Geralyn M. McFadden

 Notary Public

(SEAL)

