

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																								
NATURE OF CONVEYANCE:	ASSIGNMENT																								
CONVEYING PARTY DATA																									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Lev Davydov</td> <td>01/03/2011</td> </tr> <tr> <td>Lisa M Wolschlag</td> <td>12/13/2011</td> </tr> <tr> <td>Paolo Palmas</td> <td>12/13/2011</td> </tr> <tr> <td>Robert L Mehlberg</td> <td>01/03/2012</td> </tr> <tr> <td>Mohammad-Reza Mostofi-Ashtiani</td> <td>12/13/2011</td> </tr> <tr> <td>Daniel R Johnson</td> <td>12/13/2011</td> </tr> <tr> <td>Chad R Huovie</td> <td>12/14/2011</td> </tr> <tr> <td>Michael S Sandacz</td> <td>01/10/2012</td> </tr> <tr> <td>Peter J Van Opdorp</td> <td>01/23/2012</td> </tr> <tr> <td>Thomas W Lorschach</td> <td>12/22/2011</td> </tr> <tr> <td>Karthikeyan Paramanandam</td> <td>12/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	Lev Davydov	01/03/2011	Lisa M Wolschlag	12/13/2011	Paolo Palmas	12/13/2011	Robert L Mehlberg	01/03/2012	Mohammad-Reza Mostofi-Ashtiani	12/13/2011	Daniel R Johnson	12/13/2011	Chad R Huovie	12/14/2011	Michael S Sandacz	01/10/2012	Peter J Van Opdorp	01/23/2012	Thomas W Lorschach	12/22/2011	Karthikeyan Paramanandam	12/14/2011
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Application Number:	13323053																								
CORRESPONDENCE DATA																									
Fax Number:	(847)391-2387																								
Phone:	847-391-2040																								
Email:	ROSE.NAGEL@UOP.COM																								
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent																									

CH \$40.00 13323053

via US Mail.

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

ATTORNEY DOCKET NUMBER:

H0025162-8282

NAME OF SUBMITTER:

Rose A Nagel

Total Attachments: 33

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source=2012-02-08-USA-H0025162-Assignment-SIGNED#page33.tif

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

PROCESS AND APPARATUS FOR MIXING TWO STREAMS OF CATALYST

for which application for patent in the United States:

_____ has been executed on even date herewith;

_____ was executed on _____;

X was filed on December 12, 2011 and assigned U.S. Application No. 13/323,053;

AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, UOP LLC, a Delaware Limited Liability Company having a place of business at 25 East Algonquin Road, Des Plaines, IL 60017-5017, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

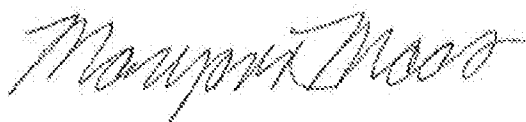
This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

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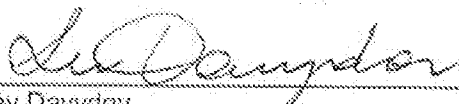
(Rev.05/25/2011)

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Maryann Maas
Assistant Secretary - Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:



Lev Davydov

Date: 01/03/2011

Lisa M. Wolschlag

Date: _____

Paolo Palmas

Date: _____

Robert L. Mehlberg

Date: _____

Mohammad-Reza Mostofi-Ashtiani

Date: _____

Daniel R. Johnson

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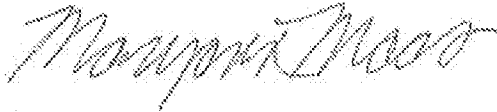
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(Rev.05/25/2011)

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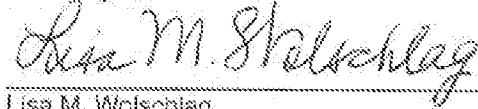


Maryann Maas
Assistant Secretary - Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Lev Davydov

Date: _____



Lisa M. Wolschlag

Date: 12-13-11

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Date: _____

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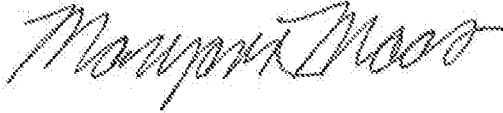
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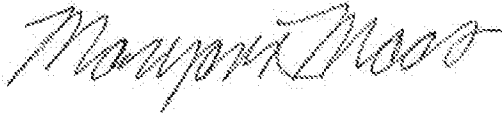
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(Rev. 05/28/2011)

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



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Assistant Secretary - Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Lev Davydov

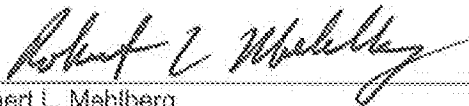
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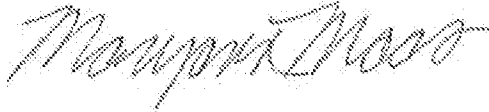
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(Rev. 05/26/2011)

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Karthikeyan Paramanandam

Date: _____

(Rev 05/25/2011)

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

PROCESS AND APPARATUS FOR MIXING TWO STREAMS OF CATALYST

for which application for patent in the United States:

_____ has been executed on even date herewith;

_____ was executed on _____;

X was filed on December 12, 2011 and assigned U.S. Application No. 13/323,053;

AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, UOP LLC, a Delaware Limited Liability Company having a place of business at 25 East Algonquin Road, Des Plaines, IL 60017-5017, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

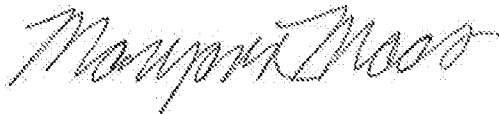
This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

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This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

(Rev.05/25/2011)

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Maryann Maas
Assistant Secretary – Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Lev Davydov

Date: _____

Lisa M. Wolschlag

Date: _____

Paolo Palmas

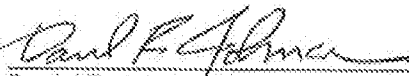
Date: _____

Robert L. Mehberg

Date: _____

Mohammad-Reza Mostofi-Ashtiani

Date: _____



Daniel R. Johnson

Date: 12/13/2011

Chad R. Huovie

Date: _____

Michael S. Sandacz

Date: _____

Peter J. Van Opdorp

Date: _____

(Rev. 05/25/2011)

Thomas W. Lorschach

Date: _____

Karthikeyan Paramanandam

Date: _____

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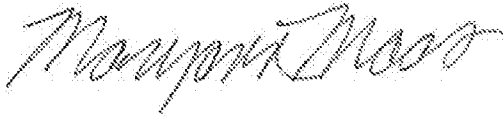
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(Rev.05/25/2011)

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Assistant Secretary – Intellectual Property (UOP)
UOP LLC

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Date: _____

Lisa M. Wolschlag

Date: _____

Paolo Palmas

Date: _____

Robert L. Mehlberg

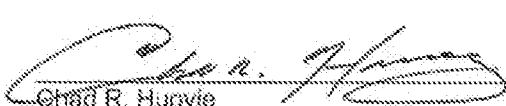
Date: _____

Mohammad-Reza Mostofi-Ashtiani

Date: _____

Daniel R. Johnson

Date: _____



Chad R. Huovie

Date: 8/14/11

Michael S. Sandacz

Date: _____

Peter J. Van Opdorp

Date: _____

Thomas W. Lorschach

Date: _____

Karthikeyan Paramanandam

Date: _____

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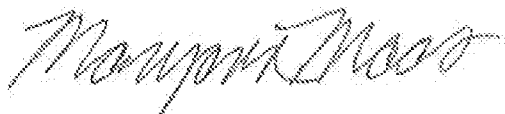
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(Rev.05/25/2011)

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Maryann Maas
Assistant Secretary -- Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Lev Davydov

Date: _____

Lisa M. Wolschlag

Date: _____

Paolo Palmas

Date: _____

Robert L. Mahiberg

Date: _____

Mohammad-Reza Mostofi-Ashtiani

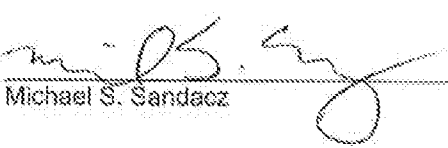
Date: _____

Daniel R. Johnson

Date: _____

Chad R. Huovie

Date: _____



Michael S. Sandacz

Date: 1/10/2012

Peter J. Van Opdorp

Date: _____

Thomas W. Lorschach

Date: _____

Karthikeyan Paramanandam

Date: _____

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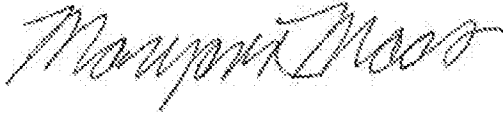
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(Rev. 05/25/2011)

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Maryann Maas
Assistant Secretary -- Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

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Date: _____

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Date: _____

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Date: _____

 Robert L. Mehlberg

Date: _____

 Mohammad-Reza Mostofi-Ashfiani

Date: _____

 Daniel R. Johnson

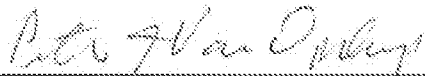
Date: _____

 Chad R. Huovio

Date: _____

 Michael S. Sandacz

Date: _____



 Peter J. Van Opdorp

Date: 23 Jan 2012

Thomas W. Lorschach

Date: _____

Karthikeyan Paramanandam

Date: _____

(Rev. 05/25/2011)

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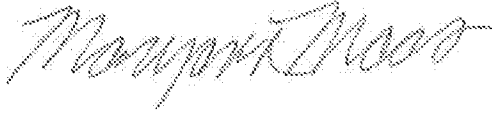
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(Rev.05/26/2011)

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Maryann Maas
Assistant Secretary -- Intellectual Property (UOP)
UOP LLC

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Lev Davydov

Date: _____

Lisa M. Wolschlag

Date: _____

Paolo Paimas

Date: _____

Robert L. Mehlberg

Date: _____

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Daniel R. Johnson

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Chad R. Huovie

Date: _____

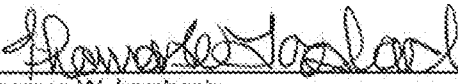
Michael S. Sandacz

Date: _____

Peter J. Van Opdorp

Date: _____

(Rev. 05/25/2011)


Thomas W. Lorschbach

Date: Dec. 22, 2011

Karthikeyan Paramanandam

Date: _____

(Rev. 05/25/2011)

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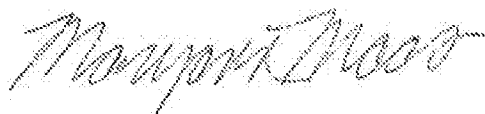
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Date: _____

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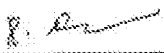
Date: _____

(Rev. 05/25/2011)

ASSIGNMENT

Thomas W. Lorschach

Date: _____



Karthikeyan Paramanandam

Date: 14-DEC-2011

(Rev. 05/25/2011)