

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Paolo Palmas	07/13/2010
Paul Alvin Sechrist	07/13/2010
Daniel N. Myers	07/13/2010
Sid Kulprathipanja	07/13/2010
Stanley Joseph Frey	07/13/2010
Barry Freel	07/15/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UOP LLC
<b>Street Address:</b>	25 East Algonquin Road
<b>City:</b>	Des Plaines
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60017-5017
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12837376
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(480)385-5061
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	480.385.5060
<b>Email:</b>	scastillo@ifllaw.com
<b>Correspondent Name:</b>	Ingrassia Fisher & Lorenz, P.C.
<b>Address Line 1:</b>	7010 East Cochise Road
<b>Address Line 4:</b>	Scottsdale, ARIZONA 85253-1406
<b>ATTORNEY DOCKET NUMBER:</b>	H0023533
<b>NAME OF SUBMITTER:</b>	Janine R. Novatt

**CH \$40.00 12837376**

**Total Attachments: 4**

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

**CHAR-HANDLING PROCESSES IN A PYROLYSIS SYSTEM**

for which application for Letters Patent of the United States:

\_\_\_\_\_ has been executed on even date herewith;

\_\_\_\_\_ was executed on \_\_\_\_\_;

was filed on July 15, 2010 and assigned U.S. Application No. 12/837,376;

**AND WHEREAS**, the "Assigned Property" shall mean (i) the above-identified United States application for Letters Patent (the "Application"), (ii) the invention disclosed in the Application, (iii) any application for Letters Patent throughout the world directed to the foregoing or claiming priority to the Application, and (iv) any and all patents resulting from the foregoing.

**AND WHEREAS**, UOP LLC, a limited liability company organized and existing under the laws of the State of Delaware having a principal place of business at 25 E. Algonquin Road, Des Plaines, IL 60017-5017, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said Assigned Property;

**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 the entire right, title and interest in and to the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE for the sole use and benefit of ASSIGNEE;

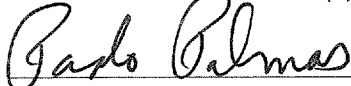
**AND ASSIGNOR FURTHERMORE** authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

**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.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

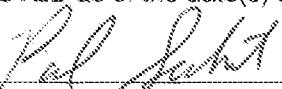
**EXECUTED** as of the date(s) set forth below:

  
\_\_\_\_\_

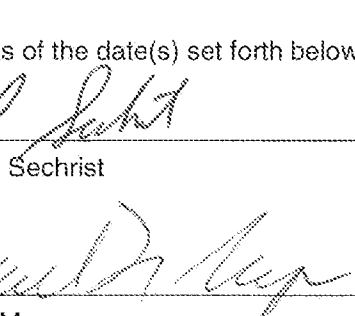
Palol Palmas

Date: 7/13/10


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

  
\_\_\_\_\_  
Paul Alvin Sechrist


Date: 7/13/10

  
\_\_\_\_\_  
Daniel N. Myers

Date: 7/13/10

  
\_\_\_\_\_  
Sid Kulprathipanja

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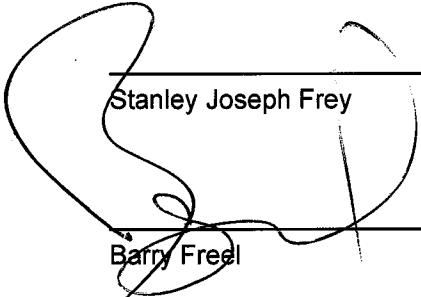
Date: \_\_\_\_\_

\_\_\_\_\_  
Sid Kulprathipanja

Date: \_\_\_\_\_

\_\_\_\_\_  
Stanley Joseph Frey

Date: \_\_\_\_\_



\_\_\_\_\_  
Barry Freed

Date: 15/07/2010