

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Richard Marinangeli</td><td>02/16/2010</td></tr><tr><td>Timothy A. Brandvold</td><td>02/16/2010</td></tr><tr><td>Joseph A. Kocal</td><td>02/16/2010</td></tr></tbody></table>	Name	Execution Date	Richard Marinangeli	02/16/2010	Timothy A. Brandvold	02/16/2010	Joseph A. Kocal	02/16/2010	
Name	Execution Date								
Richard Marinangeli	02/16/2010								
Timothy A. Brandvold	02/16/2010								
Joseph A. Kocal	02/16/2010								
RECEIVING PARTY DATA									
Name:	UOP LLC								
Street Address:	P.O. BOX 5017								
City:	DES PLAINES								
State/Country:	ILLINOIS								
Postal Code:	60017-5017								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12707433</td></tr></tbody></table>	Property Type	Number	Application Number:	12707433					
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Application Number:	12707433								
CORRESPONDENCE DATA									
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Janine R. Novatt								
Total Attachments: 1 source=20100217_assignment#page1.tif									

CH \$40.00 12707433

PATENT

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REEL: 023949 FRAME: 0294

ASSIGNMENT

WHEREAS, Richard Marinangeli, a citizen of the United States of America, residing in Arlington Heights, Illinois; Timothy A. Brandvold, a citizen of the United States of America, residing in Arlington Heights, Illinois; Joseph A. Kocal, a citizen of the United States of America, residing in Glenview, Illinois; and hereinafter referred to as "the inventors" have invented certain new and useful improvements in LOW OXYGEN BIOMASS-DERIVED PYROLYSIS OILS AND METHODS FOR PRODUCING THE SAME. .
 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.

Richard Marinangeli
 Richard Marinangeli
 2-16-2010
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 16
 day of FEBRUARY, 2010, by Richard Marinangeli
Wanda I. Crocker
 Notary Public

(SEAL)
 OFFICIAL SEAL
 WANDA I CROCKER
 NOTARY PUBLIC - STATE OF ILLINOIS
 MY COMMISSION EXPIRES:01/29/11

Timothy A. Brandvold
 Timothy A. Brandvold
 Feb. 16, 2010
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 16
 day of FEBRUARY, 2010, by Timothy A.
 Brandvold.
Wanda I. Crocker
 Notary Public

(SEAL)
 OFFICIAL SEAL
 WANDA I CROCKER
 NOTARY PUBLIC - STATE OF ILLINOIS
 MY COMMISSION EXPIRES:01/29/11

Joseph A. Kocal
 Joseph A. Kocal
 February 16, 2010
 Date

State of Illinois; County of Cook
 This instrument was acknowledged before me on this 16
 day of FEBRUARY, 2010, by Joseph A. Kocal.
Wanda I. Crocker
 Notary Public

(SEAL)
 OFFICIAL SEAL
 WANDA I CROCKER
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