

PATENT ASSIGNMENT

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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>MICHAEL J MCCALL</td><td>06/21/2007</td></tr><tr><td>ROBERT J ALLEN</td><td>06/21/2007</td></tr><tr><td>DAVID E MACKOWIAK</td><td>06/21/2007</td></tr></tbody></table>	Name	Execution Date	MICHAEL J MCCALL	06/21/2007	ROBERT J ALLEN	06/21/2007	DAVID E MACKOWIAK	06/21/2007					
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<table border="1"><tr><td>Name:</td><td>UOP LLC</td></tr><tr><td>Street Address:</td><td>25 E 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 E ALGONQUIN ROAD	Internal Address:	PATENT DEPARTMENT	City:	DES PLAINES	State/Country:	ILLINOIS	Postal Code:	60017	
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
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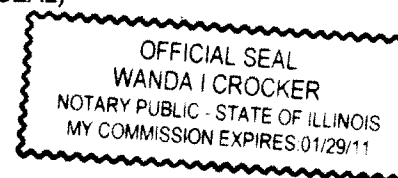
ASSIGNMENT

WHEREAS, **Michael J. McCall**, a citizen of the United States of America, residing in Geneva, Illinois; **Robert J. Allen**, a citizen of the United States of America, residing in Elk Grove Village, Illinois; and **David E. Mackowiak**, a citizen of the United States of America, residing in Mount Prospect, Illinois; and hereinafter referred to as "the inventors" have invented certain new and useful improvements in **CONVERSION OF LIGNOCELLULOSIC BIOMASS TO CHEMICALS AND FUELS**. 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.

Michael J. McCall
Michael J. McCall
6/21/07
Date

State of Illinois; County of Cook
This instrument was acknowledged before me on this 21
day of JUNE, 2007, by Michael J. McCall.
Wanda J. Crocker
Notary Public

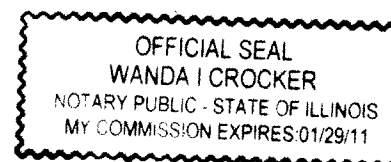
(SEAL)



Robert J. Allen
Robert J. Allen
6/21/07
Date

State of Illinois; County of Cook
This instrument was acknowledged before me on this 21
day of JUNE, 2007, by Robert J. Allen.
Wanda J. Crocker
Notary Public

(SEAL)



David E. Mackowiak
David E. Mackowiak
6/21/2007
Date

State of Illinois; County of Cook
This instrument was acknowledged before me on this 21
day of JUNE, 2007, by David E. Mackowiak.
Wanda J. Crocker
Notary Public

(SEAL)

