

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rakesh Agrawal	12/09/2008
Manju Agrawal	12/09/2008
Navneet R. Singh	12/10/2008

RECEIVING PARTY DATA

Name:	Purdue Research Foundation
Street Address:	3000 Kent Avenue
City:	West Lafayette
State/Country:	INDIANA
Postal Code:	47906

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12199425

CORRESPONDENCE DATA

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Address Line 4: Ann Arbor, MICHIGAN 48104-2921

ATTORNEY DOCKET NUMBER:

12264-355

NAME OF SUBMITTER:

Daniel P. Dailey

Total Attachments: 4

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PATENT

REEL: 021964 FRAME: 0221

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ASSIGNMENT

WHEREAS, RAKESH AGRAWAL, MANJU AGRAWAL, and NAVNEET R. SINGH, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled NOVEL PROCESS FOR PRODUCING LIQUID HYDROCARBON BY PYROLYSIS OF BIOMASS IN PRESENCE OF HYDROGEN FROM A CARBON-FREE ENERGY SOURCE, for a full description of which reference is here made to an application for Letters Patent of the United States filed on August 27, 2008, and assigned Application Serial No. 12/199,425;

WHEREAS, Purdue Research Foundation, a not-for-profit organization existing under the laws of the State of Indiana, having a place of business at 3000 Kent Avenue, West Lafayette, Indiana, 47906, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

Assignor hereby grants the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

12/09/08

Rakesh Agrawal
RAKESH AGRAWAL

DATED:

12/09/08

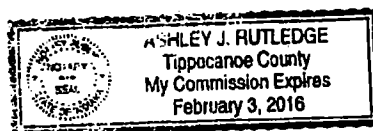
Manju Agrawal
MANJU AGRAWAL

DATED:

12/10/08

Navneet R. Singh
NAVNEET R. SINGH

STATE OF Indiana)
COUNTY OF Tippecanoe) ss.



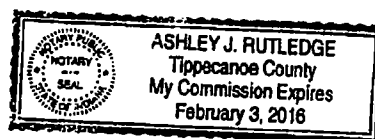
I, Ashley J. Rutledge, a Notary Public in and for the County and State aforesaid, do hereby certify that RAKESH AGRAWAL, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 9th day of December, 2008.

Ashley J. Rutledge
Notary Public

My Commission Expires: 02/03/2016

STATE OF Indiana)
COUNTY OF Tippecanoe) ss.



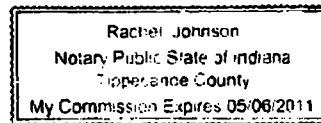
I, Ashley J. Rutledge, a Notary Public in and for the County and State aforesaid, do hereby certify that MANJU AGRAWAL, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 9th day of December, 2008.

Ashley J. Rutledge
Notary Public

My Commission Expires: 02/03/2016

STATE OF Indiana)
COUNTY OF Tippelance) ss.



I, Rachel Johnson, a Notary Public in and for the County and State aforesaid, do hereby certify that NAVNEET R. SINGH, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this
day of _____, 2008.

Rachel Johnson
Notary Public

My Commission Expires: 05/06/2011