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08-16-2005

Form PTO-905 (Rev. 03/01) RECORDATION F  
 OMB No. 0651-0027 (exp. 5/31/2002) PATENT  
 Tab settings  $\Rightarrow \Rightarrow \Rightarrow$  ENT OF COMMERCE and Trademark Office  
 103061927

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
 Darrell R. Herling  
 Chris L. Aardahl  
 Robert T. Rozmiarek  
 Kenneth G. Rappe  
 Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
 Name: Battelle Memorial Institute  
 Internal Address: P.O. Box 999  
 Street Address: 902 Battelle Boulevard  
 City: Richland State: WA Zip: 99352  
 Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
 Execution Date: \_\_\_\_\_

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
 A. Patent Application No.(s) 11/128,488  
 B. Patent No.(s) \_\_\_\_\_  
 Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Todd J. Harrington  
 Internal Address: P.O. Box 999  
 Street Address: 902 Battelle Boulevard  
 City: Richland State: WA Zip: 99352

6. Total number of applications and patents involved: 1  
 7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
 8. Deposit account number:  
02-1275

DO NOT USE THIS SPACE

9. Signature.  
Todd J. Harrington 8/8/05  
 Name of Person Signing Signature Date  
 Total number of pages including cover sheet, attachments, and documents: 10

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

08/12/2005 ECOOPER 00000113 021275 11128488  
01 FC:8021 40.00 BA

PATENT REEL: 016881 FRAME: 0013

**Additional Names Additional name(s) of conveying party(ies) attached?**

Yong Wang

Jamelyn D. Holladay

A S S I G N M E N T

Darrell R. Herling  
Chris L. Aardahl  
Robert T. Rozmiarek  
Kenneth G. Rappe  
Yong Wang  
Jamelyn D. Holladay

To

Battelle Memorial  
Institute

WHEREAS, we, Darrell R. Herling of Richland, County of Benton, State of Washington; Chris L. Aardahl of Richland, County of Benton, State of Washington; and Robert T. Rozmiarek of Madison, State of Wisconsin; Kenneth G. Rappe of Richland, County of Benton, State of Washington; Yong Wang of Richland, County of Benton, State of Washington and Jamelyn D. Holladay of Kennewick, County of Benton, State of Washington have made certain inventions in, **Method Of Generating Hydrocarbon Reagents From Diesel, Natural Gas And Other Logistical Fuels**, described and claimed in Application Serial Number 11/128,488 filed 05/12/2005 and

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right,

title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application, and in and to any extensions, reissues, divisions, or renewals thereof; and I do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of my entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

And I further covenant and agree that I will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that I will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions, or any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

And I further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.

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Executed at Richland, State of Washington, this 12 day of May, 2005.

*Darrell R. Herling*  
Darrell R. Herling

STATE OF Washington )  
 ) ) ss.  
COUNTY OF Benton )

This 12 day of May, 2005, before me personally came the above-named Darrell R. Herling, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

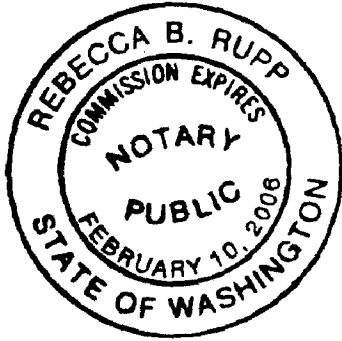
*Janice K. Laybourn*  
Notary Public for the State of Washington  
My commission expires: 5-25-05

Executed at Richland, State of Washington, this 28 day of July, 2005.

Chris L. Aardahl  
Chris L. Aardahl

STATE OF Washington )  
  )    ss.  
COUNTY OF Benton     )

This 28 day of July, 2005, before me personally came the above-named Chris L. Aardahl, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

Rebecca B. Rupp  
Notary Public for the State of Washington  
My commission expires: 2/10/2008

Executed at MADISON, State of WISCONSIN, this 1 day

of AUGUST, 2005.

Robert T. Rozmiarek  
Robert T. Rozmiarek

STATE OF WISCONSIN )

COUNTY OF Dane )

ss.

This 1 day of August, 2005, before me personally came the above-named Robert T. Rozmiarek, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Mary C. Lawler  
Notary Public for the State of Wisc.  
My commission expires: 9/17/06

[SEAL]

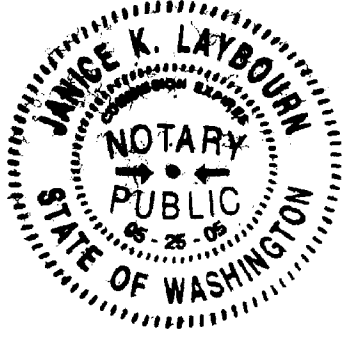
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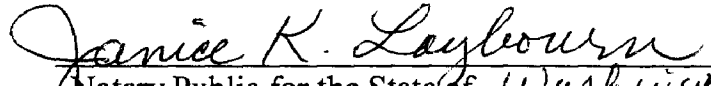
Executed at Richland, State of Washington, this 12 day of May, 2005.

  
\_\_\_\_\_  
Kenneth G. Rappe

STATE OF Washington            )  
  )    ss.  
COUNTY OF Benton            )

This 12 day of May, 2005, before me personally came the above-named Kenneth G. Rappe, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



  
Notary Public for the State of Washington  
My commission expires: 5/25/05

[SEAL]





