

Form PTO-1595 (Rev. 03-09)
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U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies) Heartland Resource Technologies, 3320 Yorkshire Road, Pasadena, California 91107 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Hercules Incorporated</u> Internal Address: <u>Law Department</u> Street Address: <u>Hercules Plaza, 1313 North Market Street</u> City: <u>Wilmington</u> State: <u>Delaware</u> Country: <u>US</u> Zip: <u>19894-0001</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>May 7, 2009</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>10/211,944, 12,144,383, 11/607,204 and 11,779,558</u> B. Patent No.(s) <u>7,345,136</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Joanne Mary Fobare Rossi</u> Internal Address: <u>Law Department</u> Street Address: <u>Hercules Plaza, 1313 North Market</u> <u>Street</u> City: <u>Wilmington</u> State: <u>Delaware</u> Zip: <u>19894-0001</u> Phone Number: <u>(302) 594-5833</u> Fax Number: <u>(302) 594-6998</u> Email Address: <u>jrossl@ashland.com</u>	6. Total number of applications and patents involved: <u>5</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>200.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information Deposit Account Number <u>08-1800</u> Authorized User Name <u>Joanne Rossi</u>
9. Signature: <div style="display: flex; justify-content: space-between;"> <div> <u>/JOANNE MARY FOBARE ROSSI/</u> Signature </div> <div> <u>October 26, 2009</u> Date </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>Joanne Mary Fobare Rossi, Registration No. 43,061</u> Name of Person Signing </div> <div> Total number of pages including cover sheet, attachments, and documents: 6 </div> </div>	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1460, Alexandria, V.A. 22313-1450

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PATENT ASSIGNMENT

This PATENT ASSIGNMENT ("Assignment"), effective as of May 7, 2009, is made by HEARTLAND RESOURCE TECHNOLOGIES, LLC., a limited liability company established under the laws of the State of Iowa and having a principal place of business at 3320 Yorkshire Road, Pasadena, CA 91107 (hereinafter "Assignor") in favor of HERCULES INCORPORATED, and its Subsidiaries, (hereinafter "Assignee") incorporated under the laws of the State of Delaware, with a principal place of business at 1313 North Market Street, Wilmington, DE, 19894, U.S.A.,.

Recitals

A. Assignor has certain ownership interests in U.S. Patents and Patent Applications as listed in Appendix A and all foreign counterparts thereof (including originals, divisionals, continuations, continuations-in-part, extensions, reissues and reexaminations, substitutions,) (collectively, the "Patents").

B. Assignee desires to own Assignor's entire right, title and interest in, to and under the Patents and the inventions disclosed therein, in all countries throughout the world.

Agreement

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees as follows:

1. Assignor hereby assigns to Assignee Assignor's entire right, title and interest in, to and under the Patents, including all such Letters Patent of the United States that have been or shall be granted on any of the Patents, all rights to claim priority on the basis of the Patents, and all corresponding foreign applications that have been or may be filed for the inventions, including all extensions, renewals and reissues thereof, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term or terms for which the Patents are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made, including without limitation all of Assignor's right, title and interest in and to all causes of action and enforcement rights, whether currently pending, filed, or otherwise, for the Patents and all inventions and discoveries described therein, all rights to pursue damages, injunctive relief and other remedies for past, current and future infringement of the Patents, and all rights to collect royalties under such Patents.

2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign

3. Assignor agrees that, upon request and without further compensation, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or reasonably requested by Assignee for obtaining, sustaining, maintaining, renewing or enforcing the Patent, and for perfecting, recording, or maintaining the title to the Patents in Assignee and Assignee's successors and assigns. In the event that Assignee is unable after reasonable attempt to secure Assignor's signature to any document in connection with the foregoing, Assignor hereby constitutes and appoints Assignee as the Assignor's true and lawful attorney-in-fact, with full power of substitution in the Assignor's name and stead, to take any and all steps, including proceedings at law, in equity or otherwise, to execute, acknowledge and deliver any and all instruments and assurances necessary or expedient in order to vest or perfect the aforesaid rights and causes of action more effectively in Assignee or to protect the same or to enforce any claim or right of any kind with respect thereto. Assignor hereby declares that the foregoing power is coupled with an interest and as such is irrevocable.

4. This Assignment may be executed in multiple copies, each of which shall for all purposes constitute an agreement, binding on both Assignor and Assignee, and each hereby covenants and agrees to execute all duplicates or replacement counterparts of this Assignment as may be required.

5. This Assignment and Appendix A referenced herein and attached hereto, constitutes the entire agreement between Assignor and Assignee with respect to the subject matter hereof and thereof and shall supersede all prior written and oral and all contemporaneous oral agreements and understandings with respect to the subject matter hereof and thereof. To the extent there is a conflict between this Assignment and any other agreement, the terms and conditions of this Assignment shall govern.

IN WITNESS THEREOF, the undersigned, being duly authorized and acting on behalf of the Assignor and Assignee, respectively, does hereby execute this Assignment.

Heartland Resource Technologies,
LLC

By: 

Frank Trocino
CEO and Manager

Hercules Incorporated

By: _____


Paul C. Raymond
President

IN WITNESS THEREOF, the undersigned, being duly authorized and acting on behalf of the Assignor and Assignee, respectively, does hereby execute this Assignment.

Heartland Resource Technologies,
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Hercules Incorporated

By: _____
Frank Trocino
CEO and Manager

By:  _____
Paul C. Raymond
President