


Form PTO-1595 (Rev. 07/05)  
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<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px; font-size: 2em; font-weight: bold;">JP</div> <div style="text-align: center; flex-grow: 1;"> <b>RECORDATION FORM COVER SHEET</b>  <b>PATENTS ONLY</b> </div> <div style="border: 1px solid black; padding: 5px; font-size: 1.5em; font-weight: bold;">S-112,345</div> </div>	
<p style="text-align: center; margin: 0;">To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.</p>	
<b>1. Name of conveying party(ies)</b> <u>Deere &amp; Company</u>  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>United States Department of Energy</u> Internal Address: _____  Street Address: <u>1000 Independence Ave., S.W.</u>  City: <u>Washington</u> State: <u>D.C.</u> Country: <u>USA</u> Zip: <u>20585</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) <u>11/12/2008</u>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input type="checkbox"/> Assignment</div> <div style="width: 50%;"><input type="checkbox"/> Merger</div> <div style="width: 50%;"><input type="checkbox"/> Security Agreement</div> <div style="width: 50%;"><input type="checkbox"/> Change of Name</div> <div style="width: 50%;"><input type="checkbox"/> Joint Research Agreement</div> <div style="width: 50%;"><input type="checkbox"/> Government Interest Assignment</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License</div> <div style="width: 50%;"><input type="checkbox"/> Other _____</div> </div>	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/838,645</u>  B. Patent No.(s) _____  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Mark P. Dvorscak</u>  Internal Address: <u>U. S. Dept. of Energy, IPLD</u>  Street Address: <u>9800 S. Cass Ave</u>  City: <u>Argonne</u> State: <u>IL</u> Zip: <u>60439</u>  Phone Number: <u>630-252-2393</u> Fax Number: <u>630-252-2779</u> Email Address: _____	<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$</b> _____ <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> None required (government interest not affecting title)
<b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____  b. Deposit Account Number _____ Authorized User Name _____	
<b>9. Signature:</b> <u></u> <u>1/13/2009</u> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">             Signature  <u>Michael J. Dobbs #58,093</u>              Name of Person Signing           </div> <div style="text-align: center;">             Date           </div> </div>	
Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px; font-weight: bold;">2</span>	

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## CONFIRMATORY LICENSE

**Title of Invention:** INTERNAL COMBUSTION ENGINE SYSTEM HAVING A POWER TURBINE  
WITH A BROAD EFFICIENCY RANGE

**Inventor(s):** Todd M. Whiting and Carl T. Vuk

**Patent Application Serial No:** 11/838,645

**Filing Date** 14 August 2007

**Patent Number:** N/A

**Issue Date:** N/A

**Name of Contractor:** Deere & Company

**DOE Contract No.:** DE-FC26-05NT42422

**DOE Case No.:** S-112,345

**Contractor Docket No.:** 18117-US

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

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It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 12 day of Nov, 2008.



(Signature)

**Contractor Name (Typed):** Deere & Company

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**PATENT**

**RECORDED: 01/20/2009**

**REEL: 022138 FRAME: 0490**

\*\*\* TOTAL PAGES: 01 \*\*\*