

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jason Lee Brinkman</td> <td>07/16/2012</td> </tr> <tr> <td>Wesley Thomas Payne</td> <td>07/25/2012</td> </tr> <tr> <td>Aristoteles Rosa Neto</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jason Lee Brinkman	07/16/2012	Wesley Thomas Payne	07/25/2012	Aristoteles Rosa Neto	07/25/2012
Name	Execution Date								
Jason Lee Brinkman	07/16/2012								
Wesley Thomas Payne	07/25/2012								
Aristoteles Rosa Neto	07/25/2012								
RECEIVING PARTY DATA									
Name:	Caterpillar Inc.								
Street Address:	100 N.E. Adams Street								
Internal Address:	Intellectual Property Department								
City:	Peoria								
State/Country:	ILLINOIS								
Postal Code:	61629-9510								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13560079</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13560079				
Property Type	Number								
Application Number:	13560079								
CORRESPONDENCE DATA									
Fax Number:	2024084400								
Phone:	202-408-4000								
Email:	lauren.brown@finnegan.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.								
Address Line 1:	901 New York Avenue, NW								
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001-4413								
ATTORNEY DOCKET NUMBER:	08350.0597-00000								
NAME OF SUBMITTER:	Lauren M. Brown								
Total Attachments: 7									

OP \$40.00 13560079

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.0597-00000

**To the Director of the U.S. Patent and Trademark Office:
Please record the attached original documents or copy thereof.**

Mail Stop Assignment Recordation Services

1. Name of conveying party(ies): 1) Jason Lee Brinkman 3) Aristoteles Rosa Neto 2) Wesley Thomas Payne		2. Name and address of receiving party(ies): Name: Caterpillar Inc.		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address: Intellectual Property Department		
3. Nature of conveyance:		Street Address: 100 N.E. Adams Street		
<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 9494, Confirmatory License		<input type="checkbox"/> Other:		
Execution Date: 1) July 16, 2012; 2) July 25, 2012; 3) July 25, 2012		Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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: 1) July 16, 2012; 2) July 25, 2012; 3) July 25, 2012				
A. Patent Application Number(s):		B. Patent Number(s):		
Additional numbers attached?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1		
Name: Dominic P. Ciminello (202) 408-4000		7. Total fee (37 CFR 1.21(h) and 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916) <input type="checkbox"/> Authorized to be charged to deposit account		
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.				
Street Address: 901 New York Avenue, N.W.				
City: Washington, D.C.				
State: Zip: 20001-4413				
8. Deposit Account No.: <u>06-0916</u>				
9. Statement and signature.				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
Signed: _____ /Dominic P. Ciminello/		July 27, 2012		
Dominic P. Ciminello / Reg. No. 54,038		Date		
Total number of pages including cover sheet, attachments and documents: 7				

6/2007

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), hereinafter referred to as Assignor(s), have made an invention entitled:

HYDRAULIC ENERGY RECOVERY SYSTEM

for which I/We will or have filed a patent application; and

WHEREAS, **Caterpillar Inc.**, a corporation of **Delaware** whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

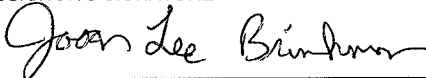
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Jason Lee Brinkman	ASSIGNOR'S SIGNATURE 	DATE 7/16/2012
ADDRESS 302 West Northland Avenue, Peoria, IL 61614		CITIZENSHIP USA

1. WITNESS NAME Chad Magsstadt	WITNESS SIGNATURE <i>Chad Magsstadt</i>	DATE 7/16/2012
ADDRESS 7558 W Lancaster Rd, Bar		CITIZENSHIP USA
Bartonville, IL 61607		

2. WITNESS NAME GANG WEN	WITNESS SIGNATURE <i>Wen</i>	DATE (July) 7/16/2012
ADDRESS 621 W Copperfield Dr.		CITIZENSHIP
Dunlap, IL 61525		CANADA

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Wesley Thomas Payne	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 11735 Heritage Meadows Drive, Plainfield, IL 60585		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Aristoteles Rosa Neto	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 5N373 Glenoak Lane, St. Charles, IL 60175		CITIZENSHIP BRAZIL

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

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for which I/We will or have filed a patent application; and

WHEREAS, **Caterpillar Inc.**, a corporation of **Delaware** whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Jason Lee Brinkman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 302 West Northland Avenue, Peoria, IL 61614		CITIZENSHIP USA


1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

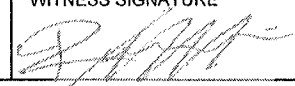
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

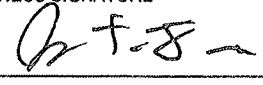
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Wesley Thomas Payne	ASSIGNOR'S SIGNATURE <i>Wesley Thomas Payne</i>	DATE 7/25/2012
ADDRESS 11735 Heritage Meadows Drive, Plainfield, IL 60585		CITIZENSHIP USA

1. WITNESS NAME <i>William Erdman</i>	WITNESS SIGNATURE <i>William F. Erdman</i>	DATE 7/25/2012
ADDRESS 578 Red Tail Lane Yorkville, IL 60560		CITIZENSHIP USA

2. WITNESS NAME <i>ERIC JAKUBIAK</i>	WITNESS SIGNATURE <i>Eric Jakubiak</i>	DATE 7/25/12
ADDRESS 2432 Courtyard Ct #3 Aurora IL 60506		CITIZENSHIP USA

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Aristoteles Rosa Neto	ASSIGNOR'S SIGNATURE 	DATE 7/25/2012
ADDRESS 5N373 Glenoak Lane, St. Charles, IL 60175		CITIZENSHIP BRAZIL

1. WITNESS NAME Rami Nasrallah	WITNESS SIGNATURE 	DATE 7/25/2012
ADDRESS 2142 W Huron St, Apt 2R, Chicago, IL 60612		CITIZENSHIP USA

2. WITNESS NAME James Ferrier	WITNESS SIGNATURE 	DATE 7/25/2012
ADDRESS 2361 Cottonwood Dr. Elgin, IL 60123		CITIZENSHIP USA