

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>Michael L. Knussman</td> <td>12/12/2011</td> </tr> <tr> <td>Brad A. Edler</td> <td>12/12/2011</td> </tr> <tr> <td>Patrick Opdenbosch</td> <td>12/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Michael L. Knussman	12/12/2011	Brad A. Edler	12/12/2011	Patrick Opdenbosch	12/12/2011
Name	Execution Date								
Michael L. Knussman	12/12/2011								
Brad A. Edler	12/12/2011								
Patrick Opdenbosch	12/12/2011								
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>13278895</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13278895				
Property Type	Number								
Application Number:	13278895								
CORRESPONDENCE DATA									
Fax Number:	(202)408-4420								
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:	08350.0366-00000								
NAME OF SUBMITTER:	Lauren M. Brown								
Total Attachments: 7									

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.0366-00000

**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) Michael L. Knussman 2) Brad A. Edler 3) Patrick Opdenbosch		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	City: Peoria		
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: IL	Zip Code:	61629-9510
<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:			
Execution Date: 1) December 12, 2011; 2) December 12, 2011; 3) December 12, 2011				
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:				
A. Patent Application Number(s): 13/278,895		B. Patent Number(s):		
Additional numbers attached?		<input type="checkbox"/> Yes <input checked="" 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.: 06-0916		
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/ Dominic P. Ciminello		January 4, 2012 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 SYSTEM

for which I/We filed U.S. Patent Application No. 13/278,895 on October 21, 2011; 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;

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Michael L. KNUSSMAN	ASSIGNOR'S SIGNATURE <i>Michael L. Knussman</i>	DATE 12/12/2011
ADDRESS 331 E. Eller Drive, East Peoria, IL 61611		CITIZENSHIP USA

1. WITNESS NAME <i>Jeremy T Peterson</i>	WITNESS SIGNATURE <i>Jeremy T Peterson</i>	DATE <i>12/12/2011</i>
ADDRESS <i>1517 Aspen Dr. Washington IL 61571</i>		CITIZENSHIP <i>USA</i>

2. WITNESS NAME <i>Jeffrey L. Kuehn</i>	WITNESS SIGNATURE <i>Jeffrey L Kuehn</i>	DATE <i>12/12/2011</i>
ADDRESS <i>426 Mackenzie Pl. Germantown Hills, IL 61548</i>		CITIZENSHIP <i>USA</i>

2. FULL NAME OF SECOND ASSIGNOR <i>Brad A. Edler</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>6225 C Road, Waterloo, IL 62298</i>		CITIZENSHIP <i>USA</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Patrick OPDENBOSCH	ASSIGNOR'S SIGNATURE <i>A. OPDENBOSCH</i>	DATE 12/12/2011
ADDRESS 2401 W. Alta Road, Apt. 2603, Peoria, IL 61615		CITIZENSHIP COLOMBIA

1. WITNESS NAME <i>Joshua Dierking</i>	WITNESS SIGNATURE <i>Joshua Dierking</i>	DATE 12/12/2011
ADDRESS <i>1110 N. Institute Pl Peoria, IL 61606</i>		CITIZENSHIP USA

2. WITNESS NAME <i>DAVID AULT</i>	WITNESS SIGNATURE <i>David E Ault</i>	DATE 12/12/2011
ADDRESS <i>3507 W TEDFORD DRIVE PEORIA IL 61614</i>		CITIZENSHIP USA

ASSIGNMENT

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

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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;

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Michael L. KNUSSMAN	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 331 E. Eller Drive, East Peoria, IL 61611		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Brad A. Edler	<i>Brad A. Edler</i>	12/12/2011
ADDRESS 6225 C Road, Waterloo, IL 62298	CITIZENSHIP USA	

1. WITNESS NAME	WITNESS SIGNATURE	DATE
<i>Karen Talbott-Wood</i>	<i>Karen Talbott-Wood</i>	12/12/11
ADDRESS <i>2931 California Ave., St. Louis, MO 63118</i>	CITIZENSHIP USA	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
<i>JEFFREY KOTYK</i>	<i>Jeffrey Kotyk</i>	12/12/11
ADDRESS <i>12714 BELLEFONTAINE RD., ST. LOUIS, MO 63138</i>	CITIZENSHIP USA	

3. FULL NAME OF THIRD ASSIGNOR Patrick OPDENBOSCH	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2401 W. Alta Road, Apt. 2603, Peoria, IL 61615		CITIZENSHIP COLOMBIA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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