

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Patrick OPDENBOSCH</td> <td>10/14/2011</td> </tr> <tr> <td>Lawrence J. TOGNETTI</td> <td>10/20/2011</td> </tr> <tr> <td>Bryan J. HILLMAN</td> <td>10/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Patrick OPDENBOSCH	10/14/2011	Lawrence J. TOGNETTI	10/20/2011	Bryan J. HILLMAN	10/20/2011				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Caterpillar Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 N.E. Adams Street</td> </tr> <tr> <td>Internal Address:</td> <td>Intellectual Property Department</td> </tr> <tr> <td>City:</td> <td>Peoria</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>61629-9510</td> </tr> </table>		Name:	Caterpillar Inc.	Street Address:	100 N.E. Adams Street	Internal Address:	Intellectual Property Department	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629-9510
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (202)408-4400</p> <p>Phone: 202-408-4000</p> <p>Email: denise.poy@finnegan.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.</p> <p>Address Line 1: 901 New York Avenue, NW</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413</p>													
ATTORNEY DOCKET NUMBER:	08350.0353-00000												
NAME OF SUBMITTER:	Denise L. Poy												
Total Attachments: 6													

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PATENT
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ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

METERLESS HYDRAULIC SYSTEM HAVING FLOW SHARING AND COMBINING FUNCTIONALITY

for which 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, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 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;

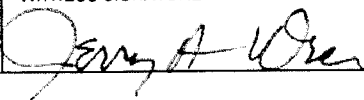
AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

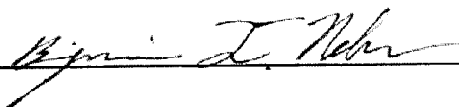
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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, WE HEREBY authorize the attorneys/representatives that 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Patrick OPDENBOSCH	ASSIGNOR'S SIGNATURE <i>A. OPDENBOSCH</i>	DATE <i>10/14/2011</i>
ADDRESS 2401 W. Alta Road, Apt. 2603, Peoria, IL 61615		CITIZENSHIP Colombia

1. WITNESS NAME	WITNESS SIGNATURE	DATE
JERRY A. WEAR		10/14/2011
ADDRESS		CITIZENSHIP
192 E Sunset Way		US
East Peoria, IL		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Benjamin T. Nelson		10/14/2011
ADDRESS		CITIZENSHIP
3111 N. Sheridan Rd		US
Peoria, IL		

2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Lawrence J. TOGNETTI		
ADDRESS		CITIZENSHIP
7407 N. Patton Lane, Peoria, IL 61614		U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Bryan J. HILLMAN	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1523 W. Marlene Avenue, Peoria, IL 61614		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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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, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to 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;

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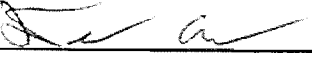
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Lawrence J. TOGNETTI	<i>Lawrence J. Tognetti</i>	10/20/2011
ADDRESS 7407 N. Patton Lane, Peoria, IL 61614		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Darren Blum	<i>Darren Blum</i>	10/20/2011
ADDRESS 716 W. Leno Ct. #102 Peoria, IL 61614		CITIZENSHIP USA

2. WITNESS NAME	WITNESS SIGNATURE	DATE
David Abrams	<i>David Abrams</i>	10-20-2011
ADDRESS 8874 Cherokee Circle Bloomington IL 61705		CITIZENSHIP U.S.A.

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Bryan J. HILLMAN	ASSIGNOR'S SIGNATURE 	DATE 10/30/11
ADDRESS 1523 W. Marlene Avenue, Peoria, IL 61614		CITIZENSHIP U.S.A.

1. WITNESS NAME Daren Blum	WITNESS SIGNATURE Daren Blum	DATE 10/20/2011
ADDRESS 716 W. Lince Ct #102		CITIZENSHIP USA
Peoria, IL 61614		

2. WITNESS NAME David Abrams	WITNESS SIGNATURE 	DATE 10/20/2011
ADDRESS 8874 Cherokee Circle		CITIZENSHIP U.S.A.
Bloomington IL 61705		