

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 Beyer</td> <td>05/31/2012</td> </tr> <tr> <td>Adam Vaccari</td> <td>08/21/2012</td> </tr> <tr> <td>Christopher Rhoades</td> <td>05/31/2012</td> </tr> <tr> <td>Adam Nackers</td> <td>05/31/2012</td> </tr> <tr> <td>Brian Lister</td> <td>05/31/2012</td> </tr> <tr> <td>Mike Bamgrover</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael Beyer	05/31/2012	Adam Vaccari	08/21/2012	Christopher Rhoades	05/31/2012	Adam Nackers	05/31/2012	Brian Lister	05/31/2012	Mike Bamgrover	05/31/2012
Name	Execution Date														
Michael Beyer	05/31/2012														
Adam Vaccari	08/21/2012														
Christopher Rhoades	05/31/2012														
Adam Nackers	05/31/2012														
Brian Lister	05/31/2012														
Mike Bamgrover	05/31/2012														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Caterpillar Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 N.E. Adams</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>61629-6490</td> </tr> </table>		Name:	Caterpillar Inc.	Street Address:	100 N.E. Adams	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629-6490				
Name:	Caterpillar Inc.														
Street Address:	100 N.E. Adams														
City:	Peoria														
State/Country:	ILLINOIS														
Postal Code:	61629-6490														
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>13485390</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13485390										
Property Type	Number														
Application Number:	13485390														
CORRESPONDENCE DATA															
Fax Number:	3126165700														
Phone:	(312) 616-5664														
Email:	assignments@leydig.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:	Gregory C. Bays														
Address Line 1:	Leydig, Voit & Mayer, Ltd.														
Address Line 2:	180 North Stetson Ave., Suite 4900														
Address Line 4:	Chicago, ILLINOIS 60601-6731														
ATTORNEY DOCKET NUMBER:	710328														

CH \$40.00 13485390

NAME OF SUBMITTER:

Gregory C. Bays

Total Attachments: 7

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

PATENT

REEL: 028927 FRAME: 0644

ASSIGNMENT

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

SYSTEM AND METHOD FOR CONTROLLING SHIFT HUNTING IN VARIABLE TRANSMISSIONS

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

WHEREAS, **CATERPILLAR INC.**, a corporation of Delaware whose post office address is 100 N. E. Adams, Peoria, Illinois 61629-6490 (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 (U.S.
Application No. 13/485,390, filed May 31, 2012).


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


1. FULL NAME OF FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Michael Beyer	<i>Michael Beyer</i>	5/31/12
ADDRESS		CITIZENSHIP
4502 E Terrace Dr.		US
Chillicothe, IL 61523		


1. WITNESS NAME	WITNESS SIGNATURE	DATE
KEVIN DAVIS	<i>Kevin Davis</i>	5/31/12
ADDRESS		CITIZENSHIP
700 Grandyle Dr		US
Washington, IL 61571		

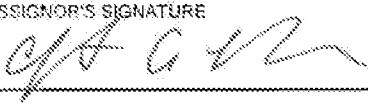
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Matt Meeds	<i>Matt Meeds</i>	5/31/12
ADDRESS		CITIZENSHIP
1609 W Viking Ct, Apt 304		USA
Peoria, IL 61614		

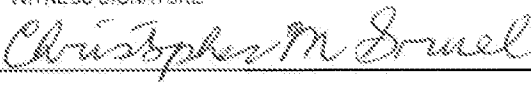
SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 710328
Client Ref. No. 11-0997

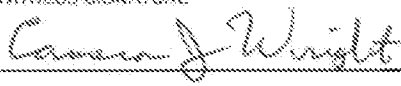
1. FULL NAME OF SECOND ASSIGNOR Adam Vaccari	ASSIGNOR'S SIGNATURE 	DATE 8/21/12
ADDRESS 418 W Stansgate Rd Peoria IL 61614		CITIZENSHIP US

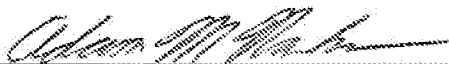
1. WITNESS NAME Phil Bauser	WITNESS SIGNATURE 	DATE 8/21/12
ADDRESS 21598 Connell Rd Tremont, IL 61568		CITIZENSHIP US

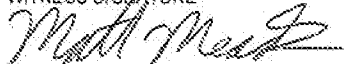
2. WITNESS NAME KARA DOGLIO	WITNESS SIGNATURE 	DATE 8/26/12
ADDRESS 504 NE Monroe Peoria IL 61603		CITIZENSHIP US

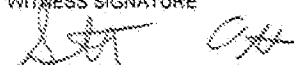
1. FULL NAME OF THIRD ASSIGNOR Christopher Rhoades	ASSIGNOR'S SIGNATURE 	DATE 5/31/12
ADDRESS 1414 Stephanie Ln Metamora IL 61548		CITIZENSHIP USA

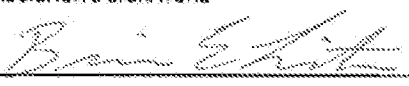
1. WITNESS NAME Christopher M. Gruel	WITNESS SIGNATURE 	DATE 5/31/12
ADDRESS 6010 Brookmere St Edwards IL 61528		CITIZENSHIP USA

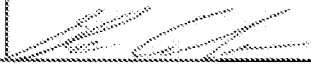
2. WITNESS NAME Cameron J. Wright	WITNESS SIGNATURE 	DATE 5/31/2012
ADDRESS 608 W. Forest Hill Ave Peoria, IL 61604		CITIZENSHIP USA

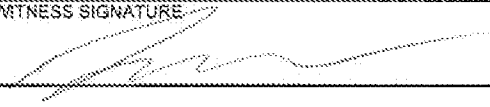
1. FULL NAME OF FOURTH ASSIGNOR Adam Nackers	ASSIGNOR'S SIGNATURE 	DATE 5/31/2012
ADDRESS 314 E. White Oak Ct. East Peoria, IL 61611		CITIZENSHIP USA


1. WITNESS NAME Matt Meads	WITNESS SIGNATURE 	DATE 5/31/2012
ADDRESS 1609 W Viking Ct, Apt 304 Peoria, IL 61614		CITIZENSHIP USA

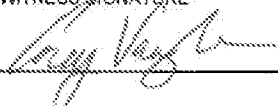
2. WITNESS NAME Steven Ott	WITNESS SIGNATURE 	DATE 5/31/2012
ADDRESS 1505 MacKenzie St. Washington, IL 61571		CITIZENSHIP USA


1. FULL NAME OF FIFTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Brian Lister		May 31, 2012
ADDRESS	CITIZENSHIP	
7827 Rosewood Ct.	USA	
EDWARDS, IL 61528		

1. WITNESS NAME	WITNESS SIGNATURE	DATE
GLEN CALVERT		5/31/12
ADDRESS	CITIZENSHIP	
606 FIREHORN DR	USA	
WASHINGTON IL 61571		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
DANIEL G NEAR		5/31/12
ADDRESS	CITIZENSHIP	
1240 MAPLE LAKE	USA	
C. PEORIA, IL 61611-1240		

1. FULL NAME OF SIXTH ASSIGNOR Mike Barngrover	ASSIGNOR'S SIGNATURE 	DATE 5-31-2012
ADDRESS 13724 W Schlink Rd, Brimfield, IL 61517		CITIZENSHIP US

1. WITNESS NAME Corey Vaughn	WITNESS SIGNATURE 	DATE 5/31/12
ADDRESS 11304 N. Fox Meadow Dr, Peoria, IL 61617		CITIZENSHIP USA

2. WITNESS NAME Luke R. Sholey	WITNESS SIGNATURE 	DATE 5/21/2012
ADDRESS 7032 N. Angelfire Dr. Peoria, IL 61614		CITIZENSHIP USA