

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HONGLIU DU	05/06/2011
PATRICK W. SULLIVAN	05/06/2011
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 N.E. ADAMS
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629-6490
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13102864
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(312) 616-5600
Email:	ASSIGNMENTS@LEYDIG.COM
Correspondent Name:	GREGORY C. BAYS
Address Line 1:	180 N. STETSON AVE.
Address Line 2:	TWO PRUDENTIAL PLAZA, STE. 4900
Address Line 4:	CHICAGO, ILLINOIS 60601-6731
ATTORNEY DOCKET NUMBER:	707663
NAME OF SUBMITTER:	GREGORY C. BAYS
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

CH \$40.00 13102864

Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6780

ASSIGNMENT

Whereas, we,

Hongliu Du, of 3604 Kestral Dr., Naperville, IL 60564, and

Patrick W. Sullivan, of 17012 Circle Drive West, Tinley Park, IL 60477

have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR CONTROLLING MULTIPLE VARIABLE
DISPLACEMENT HYDRAULIC PUMPS

for which invention we have executed an application for a U.S. patent, which was filed on
May 6, 2011, under U.S. Application No. 13/102,864, and

Whereas, Caterpillar Inc., of 100 N.E. Adams, Peoria, IL 61629-6490, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

We hereby authorize the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

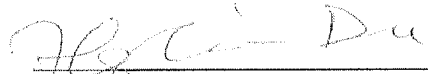
In re Application of: Du et al.
Attorney Docket No.: 707662
Cat Ref. No.: 10-0135

Upon said consideration, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

We hereby covenant and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.


In witness whereof, we have hereunder set our hands on the dates shown below.

Date 5-6-2011



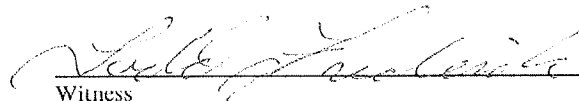
Hongliu Du

Date 5-6-2011



Witness

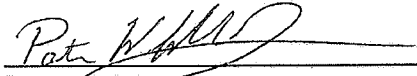
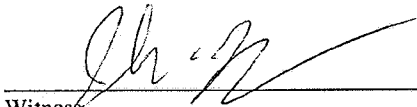

Date 5-6-2011



Witness

In re Application of: Du et al.
Attorney Docket No.: 707663
Cat Ref. No.: 10-0372

In witness whereof, we have hereunder set our hands on the dates shown below.

Date	<u>5/6/2011</u>	 _____ Patrick W. Sullivan
Date	<u>5/6/2011</u>	 _____ Witness
Date	<u>5/6/2011</u>	 _____ Witness