



02-08-2008  
103480777

U.S. Department of Commerce  
Patent and Trademark Office  
Customer No.: 58,982  
Attorney Docket No. 08350.7618-00000

To the Director of the U.S. Patent and Trademark Office  
Please record the attached original document

Mail Stop Assignment Recordation Services

2-5-08

1. Name of conveying party: 1. Hong-Chin LIN 2. James Eugene SCHIMPF 3. James Thomas FERRIER		2. Name and address of receiving party: Name: Caterpillar Inc.	
Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address:	
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
<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	Zip Code:	61629-6490
<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date:	1. February 4, 2008 2. January 28, 2008 3. February 1, 2008		
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): 11/987,526		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:		Total number of applications and patents involved: One (1)	
Name:	Bruce C. Zotter		6. 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 No. 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		
State:	D.C.	Zip:	20001-4413
7. Deposit Account No.: 06-0916			
8. 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:			February 5, 2008
	Bruce C. Zotter Reg. No. 27,680		Date
Total number of pages including cover sheet, attachments and documents:			10

5/2006

02/07/2008 NJAKH1 00000042 11987526  
01 FC:8821 48,88 09

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

**ASSIGNMENT**

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

**HYDRAULIC FLOW CONTROL SYSTEM AND METHOD**

for which We filed an application for United States Letters Patent on November 30, 2007 (Serial No. 11/987,526); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other 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, provisional application Serial No. \_\_\_\_\_, filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent 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 the United States and any foreign country, 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Hong-Chin Lin	ASSIGNOR'S SIGNATURE <i>Hong-Chin Lin</i>	DATE 2/4/08
ADDRESS 611 Revere Road, Glenview, IL 60025	CITIZENSHIP U.S.A.	

Listing of Inventors Continued on Page 2 hereof  Yes  No

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

1. WITNESS NAME <i>Rami Nasrallah</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>2/4/08</i>
ADDRESS <i>2147 Allegre Circle, Apt 205, N/A Naperville, IL 60563</i>		CITIZENSHIP <i>USA</i>

2. WITNESS NAME <i>Yun-Ken Ho</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>Feb. 4 '08</i>
ADDRESS <i>1436 Cheka Ln, Naperville, IL 60565</i>		CITIZENSHIP <i>Taiwan, ROC</i>

2. FULL NAME OF SECOND ASSIGNOR, IF ANY <i>James Eugene Schimpf</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>23860 West Plainsman Circle, Plainfield, IL 60586</i>		CITIZENSHIP <i>U.S.A.</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

3. FULL NAME OF THIRD ASSIGNOR, IF ANY James Thomas Ferrier	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2361 Cottonwood Drive, Elgin, IL 60123		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

**ASSIGNMENT**

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

**HYDRAULIC FLOW CONTROL SYSTEM AND METHOD**

for which We filed an application for United States Letters Patent on November 30, 2007 (Serial No. 11/987,526); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other 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, provisional application Serial No. \_\_\_\_\_, filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent 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 the United States and any foreign country, 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Hong-Chin Lin	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 611 Revere Road, Glenview, IL 60025		CITIZENSHIP U.S.A.

Listing of Inventors Continued on Page 2 hereof  Yes  No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

2. FULL NAME OF SECOND ASSIGNOR, IF ANY James Eugene Schimpf	ASSIGNOR'S SIGNATURE <i>James E. Schimpf</i>	DATE Jan 28, 2008
ADDRESS 23860 West Plainsman Circle, Plainfield, IL 60586	CITIZENSHIP U.S.A.	

1. WITNESS NAME <i>Kay Schimpf</i>	WITNESS SIGNATURE <i>Kay F. Schimpf</i>	DATE 1-28-08
ADDRESS <i>23860 West Plainsman Circle</i>	CITIZENSHIP USA	
<i>Plainfield, IL 60586</i>		

2. WITNESS NAME <i>Daniel J Schimpf</i>	WITNESS SIGNATURE <i>Daniel J Schimpf</i>	DATE 1/29/08
ADDRESS <i>23860 West Plainsman Circle</i>	CITIZENSHIP USA	
<i>Plainfield, IL 60586</i>		

3. FULL NAME OF THIRD ASSIGNOR, IF ANY James Thomas Ferrier	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2361 Cottonwood Drive, Elgin, IL 60123		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

**ASSIGNMENT**

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

**HYDRAULIC FLOW CONTROL SYSTEM AND METHOD**

for which We filed an application for United States Letters Patent on November 30, 2007 (Serial No. 11/987,526); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other 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, provisional application Serial No. \_\_\_\_\_, filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent 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 the United States and any foreign country, 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Hong-Chin Lin	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 611 Revere Road, Glenview, IL 60025		CITIZENSHIP U.S.A.

Listing of Inventors Continued on Page 2 hereof  Yes  No



SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY James Eugene Schimpf	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 23860 West Plainsman Circle, Plainfield, IL 60586		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.7618-00000  
 Client Ref. No. 07-618

3. FULL NAME OF THIRD ASSIGNOR, IF ANY James Thomas Ferrier	ASSIGNOR'S SIGNATURE <i>J. T. Ferrier</i>	DATE 2/1/08
ADDRESS 2361 Cottonwood Drive, Elgin, IL 60123		CITIZENSHIP U.S.A.

1. WITNESS NAME Andrew Van Hulle	WITNESS SIGNATURE <i>Andrew Van Hulle</i>	DATE 2/1/08
ADDRESS 1214 LONE OAK TR AURORA, IL 60506		CITIZENSHIP U.S.A.

2. WITNESS NAME Joseph T Frystak	WITNESS SIGNATURE <i>J. T. Frystak</i>	DATE 2/1/08
ADDRESS 2876 Fairmont Ave Aurora, IL 60503		CITIZENSHIP USA