

02-06-2006

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.2264
Attorney Customer Number: 22,852To the Director of the U.S. Patent and
Please record the attached original document

103172494

Mail Stop Assignment Recordation Services

1. Name of conveying party(ies):
a) David P. SMITH
b) Igor STRASHNY
c) Daniel T. MATHER

2. Name and address of receiving party(ies):

Name: Caterpillar Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address: Intellectual Property Department

3. Nature of conveyance:

Street Address: 100 N.E. Adams Street

☒ Assignment☐ Merger

City: Peoria

☐ Security Agreement☐ Change of Name

State: IL Zip Code: 61629-6490

☐ Other:

Additional name(s) & Address(es) attached?

Execution Date: a) January 19, 2006
b) January 19, 2006
c) January 19, 2006☐ Yes ☒ No

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) January 19, 2006; b) January 19, 2006; and c) January 19, 2006

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes ☒ No

4. Name and address of party to whom correspondence concerning document should be mailed:

5. Total number of applications and registrations involved:
1

Name: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

6. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ 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

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.

Ryan C. Stockett, Reg. No. 53,642

January 30, 2006

Signature

Date

Total number of pages including cover sheet, attachments and documents: 7

ASSIGNMENT

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

HYDRAULIC SYSTEM HAVING IN-SUMP ENERGY RECOVERY DEVICE

for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____ (Serial No. _____); and

WHEREAS, **Caterpillar Inc.** (a Delaware corporation) whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 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, I, as Assignor, 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 entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____, 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, 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 I 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, I HEREBY covenant that I 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 HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me 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, I have hereunto set my hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR David P. SMITH	ASSIGNOR'S SIGNATURE <i>David P. Smith</i>	DATE 19 Jan 06
ADDRESS 18530 W 3000N Rd LOT 279, Reddick, IL 60961		CITIZENSHIP USA

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME <i>Pan. Lente</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>1/19/06</i>
ADDRESS <i>26556 W. HIGHLAND DRIVE</i>		CITIZENSHIP <i>U.S</i>
<i>CHANNATION, IL 60410</i>		

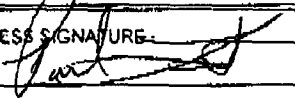
2. WITNESS NAME <i>Yan Annie Tan</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>1/19/06</i>
ADDRESS <i>1621 Country Lakes Dr. Apt 103</i>		CITIZENSHIP <i>China</i>
<i>Naperville, IL 60563</i>		


2. FULL NAME OF SECOND ASSIGNOR <i>Igor STRASHNY</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>1, rue De La Republique 38000, Grenoble, FRANCE</i>		CITIZENSHIP <i>FRANCE</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR <i>Daniel T. MATHER</i>	ASSIGNOR'S SIGNATURE <i>Dan Mather</i>	DATE <i>19 Jan '06</i>
ADDRESS <i>16820 S. Weber Road, Lockport, IL 60441</i>		CITIZENSHIP <i>USA</i>

1. WITNESS NAME Paul Lantz	WITNESS SIGNATURE 	DATE 1/19/06
ADDRESS 26556 Highland Drive		CITIZENSHIP U-S
CHannah, IL		

2. WITNESS NAME Annie Tan	WITNESS SIGNATURE 	DATE 1/19/06
ADDRESS 1624 Country Lakes Dr., Apt 103		CITIZENSHIP China
Naperville, IL		

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for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____ (Serial No. _____); and

WHEREAS, Caterpillar Inc. (a Delaware corporation) whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 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, I, as Assignor, 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 entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____, 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, 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 I 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, I HEREBY covenant that I 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 HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me 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, I have hereunto set my hands.

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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 Igor STRASHNY	ASSIGNOR'S SIGNATURE <i>Igor Strashny</i>	DATE Jan 13, 2006
ADDRESS 1, rue De La Republique 38000, Grenoble, FRANCE		CITIZENSHIP FRANCE USA

1. WITNESS NAME <i>Neil Roth</i>	WITNESS SIGNATURE <i>Neil Roth</i>	DATE Jan 23, 2006
ADDRESS <i>La Semelene 38610 Veron France</i>		CITIZENSHIP USA

2. WITNESS NAME <i>BRIAN S. HOWARD</i>	WITNESS SIGNATURE <i>Brian Howard</i>	DATE 23 JAN 2006
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3. FULL NAME OF THIRD ASSIGNOR Daniel T. MATHER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 16820 S. Weber Road, Lockport, IL 60441		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP