

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Philippe Vande Kerckhove	01/06/2010
James A. Aardema	01/05/2010
Kalpesh Patel	01/05/2010
Pengfei Ma	01/05/2010

RECEIVING PARTY DATA

Name:	Caterpillar Inc.
Street Address:	100 NE Adams St.
Internal Address:	AH9510
City:	Peoria
State/Country:	ILLINOIS
Postal Code:	61629-9510

Name:	Shin Caterpillar Mitsubishi Ltd.
Street Address:	200 Main
City:	Akashi
State/Country:	JAPAN
Postal Code:	55555

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12605465

CORRESPONDENCE DATA

Fax Number: (309)675-1236
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 309-675-5140

Email: US_Docket_Clerk@cat.com

Correspondent Name: Caterpillar Inc. Intellectual Property D

CH \$40.00 12605465

501069906

PATENT
REEL: 023813 FRAME: 0571

Address Line 1:	AH 9510
Address Line 2:	100 N.E. Adams Street
Address Line 4:	PEORIA, ILLINOIS 61629-9510

ATTORNEY DOCKET NUMBER:	06-310.1
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NAME OF SUBMITTER:	Kelly Umholtz
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Total Attachments: 4
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ASSIGNMENT

WHEREAS, PHILIPPE VANDE KERCKHOVE, residing at Overijse, Belgium, hereinafter referred to as ASSIGNOR has invented together with Pengfei Ma, James A. Aardema and Kalpesh Patel a new and useful

HYDRAULIC SYSTEM HAVING AN EXTERNAL PRESSURE COMPENSATOR

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on _____; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, and Shin Caterpillar Mitsubishi Ltd., a corporation organized under the laws of Japan, having a place of business at Tokyo, Japan, hereinafter collectively referred to as ASSIGNEES, are desirous of jointly acquiring, each having an undivided interest, the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEES, the receipt of which is hereby acknowledged by ASSIGNOR;

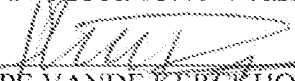
1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEES the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEES, ASSIGNOR agrees to communicate to ASSIGNEES any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEES in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc., and Shin Caterpillar Mitsubishi Ltd., jointly.

4. This assignment shall inure to the benefit of ASSIGNEES, their successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

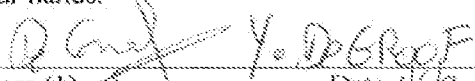


PHILIPPE VANDE KERCKHOVE

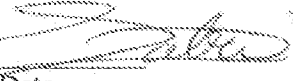
01/06/2010

Date

IN WITNESS OF the execution hereof by PHILIPPE VANDE KERCKHOVE we have hereunto set our hands.



Witness (1) Y. De Groof Date 1/6/2010
Address: 385 Route de Trognez
6031 Roubaix / Sambre
Belgium / Europe



Witness (2) BRUNO LABIE Date _____
Address: 22 RUE DE L'AGACE
7061 CASTEAU
BELGIUM

ASSIGNMENT

WHEREAS, JAMES A. AARDEMA, residing at Plymouth, Minnesota, hereinafter referred to as ASSIGNOR has invented together with Pengfei Ma, Philippe Vande Kerckhove and Kalpesh Patel a new and useful

HYDRAULIC SYSTEM HAVING AN EXTERNAL PRESSURE COMPENSATOR

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on _____; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, and Shin Caterpillar Mitsubishi Ltd., a corporation organized under the laws of Japan, having a place of business at Tokyo, Japan, hereinafter collectively referred to as ASSIGNEES, are desirous of jointly acquiring, each having an undivided interest, the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEES, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEES the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEES, ASSIGNOR agrees to communicate to ASSIGNEES any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEES in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc., and Shin Caterpillar Mitsubishi Ltd., jointly.


4. This assignment shall inure to the benefit of ASSIGNEES, their successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

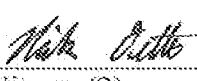
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


JAMES A. AARDEMA

1/5/2010
Date

IN WITNESS OF the execution hereof by JAMES A. AARDEMA we have hereunto set our hands.


Witness (1) 1/5/2010
Date
Address: 2620 Inglewood Ave S
St. Louis Park, MN 55416


Witness (2) 1/5/2010
Date
Address: 10338 Quail Circle N
Brooklyn Park, MN 55443

ASSIGNMENT

WHEREAS, KALPESH PATEL, residing at Romeoville, Illinois, hereinafter referred to as ASSIGNOR has invented together with Pengfei Ma, Philippe Vande Kerckhove and James A. Aardema a new and useful

HYDRAULIC SYSTEM HAVING AN EXTERNAL PRESSURE COMPENSATOR

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on _____; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, and Shin Caterpillar Mitsubishi Ltd., a corporation organized under the laws of Japan, having a place of business at Tokyo, Japan, hereinafter collectively referred to as ASSIGNEES, are desirous of jointly acquiring, each having an undivided interest, the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEES, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEES the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEES, ASSIGNOR agrees to communicate to ASSIGNEES any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEES in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc., and Shin Caterpillar Mitsubishi Ltd., jointly.

4. This assignment shall inure to the benefit of ASSIGNEES, their successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

<u><i>Kalpesh Patel</i></u> KALPESH PATEL	<u>1/5/2010</u> Date
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IN WITNESS OF the execution hereof by KALPESH PATEL we have hereunto set our hands.

<u><i>Jason M. Strong</i></u> <u>1/05/10</u> Witness (1) Date Address: <u>1483 Raven Dr.</u> <u>Bolingbrook, IL 60440</u>	<u><i>Don Mathen</i></u> <u>1-5-10</u> Witness (2) Date Address: <u>17062 S. Weber</u> <u>Ed. Lockport IL 60441</u>
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ASSIGNMENT

WHEREAS, PENGFEI MA, residing at Naperville, Illinois, hereinafter referred to as ASSIGNOR has invented together with Philippe Vande Kerckhove, James A. Aardema and Kalpesh Patel a new and useful

HYDRAULIC SYSTEM HAVING AN EXTERNAL PRESSURE COMPENSATOR

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on _____; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, and Shin Caterpillar Mitsubishi Ltd., a corporation organized under the laws of Japan, having a place of business at Tokyo, Japan, hereinafter collectively referred to as ASSIGNEES, are desirous of jointly acquiring, each having an undivided interest, the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEES, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEES the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEES, ASSIGNOR agrees to communicate to ASSIGNEES any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEES in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc., and Shin Caterpillar Mitsubishi Ltd., jointly.

4. This assignment shall inure to the benefit of ASSIGNEES, their successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

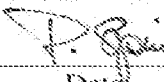
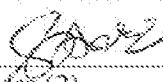


PENGFEI MA

01/05/10

Date

IN WITNESS OF the execution hereof by PENGFEI MA we have hereunto set our hands.

<p><u>PETER SPRING</u>  <u>01/05/10</u>  <u>1/5/10</u> Witness (1) _____ Date _____ Address: _____ <u>135 CIRCLE DR W</u> <u>MONTGOMERY, IL 60538</u></p>	<p>_____ Witness (2) _____ Date _____ Address: <u>2763 FORT SUMNER CT</u> <u>AURORA, IL 60503</u></p>
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PATENT