

07-18-2007



EET

103428022

To the Director of the U.S. Patent

and documents or the new address(es) below.

7-10-07

1. Name of conveying party(ies)

Brian Mintah
Bassam J. Alshaer
John J. Krone
Jeffrey K. Berry

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

2. Name and address of receiving party(ies)

Name: Caterpillar Inc.

Internal Address:

Street Address: 100 NE Adams Street

City: Peoria

State: Illinois

Country: US Zip: 61629

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 06/20/07; 06/13/07; 06/19/07; 06/20/07

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael B. McNeil

Internal Address:

Street Address: 511 S. Madison Street

P.O. Box 2417

City: Bloomington

State: Indiana Zip: 47402

Phone Number: 812-333-5355

Fax Number: 812-333-3173

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 500226

Authorized User Name Jonathan F. Yates

9. Signature:

Jonathan F. Yates
Signature

7-10-07
Date

Jonathan F. Yates

Name of Person Signing

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

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

07/17/2007 DBYRNE 00000099 11827026

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(40.00 DP)

ASSIGNMENT

WHEREAS, Brian Mintah, residing at Washington, Illinois, hereinafter referred to as ASSIGNOR has invented together with Bassam J. Alshaer, John J. Krone, and Jeffrey K. Berry a new and useful

CONTROL SYSTEM AND METHOD FOR CAPTURING PARTIAL BUCKET LOADS IN AUTOMATED LOADING CYCLE

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 6/20/07; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring 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 ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;


1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE 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 ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE 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.

4. This assignment shall inure to the benefit of ASSIGNEE, its 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.

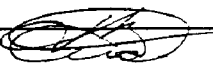
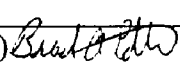


BRIAN MINTAH

6/20/07

Date

IN WITNESS OF the execution hereof by BRIAN MINTAH we have hereunto set our hands.

Witness (1) 	Date <u>06/20/2007</u>	Witness (2) 	Date <u>6/20/07</u>
Address: <u>Majumed Gabibulayev</u>		Address: <u>Brad Edler</u>	
<u>2410 W Miners Dr</u>		<u>6716 C Rd</u>	
<u>Dunlap, IL 61525</u>		<u>Waterloo, IL 62298</u>	

ASSIGNMENT

WHEREAS, Bassam J. Alshaer, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with John J. Krone, Jeffrey K. Berry and Brian Mintah a new and useful

CONTROL SYSTEM AND METHOD FOR CAPTURING PARTIAL BUCKET LOADS
IN AUTOMATED LOADING CYCLE

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 6/13/07; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring 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 ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE 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 ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE 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.

4. This assignment shall inure to the benefit of ASSIGNEE, its 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.

Bassam Alshaer
BASSAM J. ALSHAER

06/13/2007
Date

IN WITNESS OF the execution hereof by BASSAM J. ALSHAER we have hereunto set our hands.

Mohamed Omar 6/13/07
Witness (1) Mohamed Omar Date
Address: 2413 W Jubilee Ln
Dunlap, IL 61525
USA

Mustafa Alsaleh 6/13/07
Witness (2) Mustafa Alsaleh Date
Address: 1700 W Hickory Grove Rd 9-104
Dunlap, IL 61525
USA

ASSIGNMENT

WHEREAS, John J. Krone, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Jeffrey K. Berry, Brian Mintah and Bassam J. Alshaer a new and useful

**CONTROL SYSTEM AND METHOD FOR CAPTURING PARTIAL BUCKET LOADS
IN AUTOMATED LOADING CYCLE**

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 6/19/07; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring 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 ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE 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 ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE 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.

4. This assignment shall inure to the benefit of ASSIGNEE, its 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.

John J. Krone
JOHN J. KRONE

6/19/07
Date

IN WITNESS OF the execution hereof by JOHN J. KRONE we have hereunto set our hands.

Regis P. Kelly 20-Jun-07
Witness (1) Date

Address: 10172 BIRKINGHAM RD.
PEKIN, IL 61554

Brian L. Mintah June 20, 2007
Witness (2) Date

Address: 20704 Deer Bluffs DR
Chillicothe IL 61523

ASSIGNMENT

WHEREAS, Jeffrey K. Berry, residing at Yorkville, Illinois, hereinafter referred to as ASSIGNOR has invented together with Brian Mintah, Bassam J. Alshaer and John J. Krone a new and useful

CONTROL SYSTEM AND METHOD FOR CAPTURING PARTIAL BUCKET LOADS IN AUTOMATED LOADING CYCLE

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 6-20-07; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring 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 ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE 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 ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE 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.

4. This assignment shall inure to the benefit of ASSIGNEE, its 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.

Jeffrey K. Berry
JEFFREY K. BERRY

6-20-07
Date

IN WITNESS OF the execution hereof by JEFFREY K. BERRY we have hereunto set our hands.

M. J. [Signature] 6/20/07
Witness (1) Date
Address: 1543 London Ct.
Naperville, IL 60563

Mark Weiss 6/20/07
Witness (2) Date
Address: 250 Trudy Court
Buttavia, IL 60570