

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Francis E. Erbes</td> <td>02/28/2008</td> </tr> <tr> <td>Michael Grier</td> <td>01/09/2008</td> </tr> <tr> <td>Gary Harris</td> <td>04/03/2008</td> </tr> <tr> <td>Randall H. Bishop</td> <td>04/03/2008</td> </tr> </tbody> </table>		Name	Execution Date	Francis E. Erbes	02/28/2008	Michael Grier	01/09/2008	Gary Harris	04/03/2008	Randall H. Bishop	04/03/2008
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Francis E. Erbes	02/28/2008										
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Gary Harris	04/03/2008										
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Caterpillar Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 NE Adams Street</td> </tr> <tr> <td>City:</td> <td>Peoria</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>61629-9510</td> </tr> </table>		Name:	Caterpillar Inc.	Street Address:	100 NE Adams Street	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629-9510
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12150547</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12150547						
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Application Number:	12150547										
CORRESPONDENCE DATA											
<p>Fax Number: 8123333173  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 812 333-5355        Email: mmcneil@liellmcneil.com        Correspondent Name: Caterpillar Inc. c/o LIELL &amp; MCNEIL ATTO        Address Line 1: P.O. BOX 2417        Address Line 4: BLOOMINGTON, INDIANA 47402</p>											
ATTORNEY DOCKET NUMBER:	07-895										
NAME OF SUBMITTER:	Michael B. McNeil										
<p>Total Attachments: 6        source=07-895-AssignmentswCvrSht#page 1.tif</p>											

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source=07-895-AssignmentswCvrSht#page6.tif

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Francis E. Erbes, Michael Grier, Gary Harris

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

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

Execution Date(s) 2-28-08, 1-09-08, 4-03-08, 4-03-08

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other correction to previously recorded assignment reel/frame: 020923/0028

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

Name: Caterpillar, Inc.

Internal Address: \_\_\_\_\_

Street Address: 100 NE Adams St.

City: Peoria

State: Illinois

Country: US Zip: 61629

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

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

12150547

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: IN Zip: 47402

Phone Number: 812 333-5355

Docket Number: 07-895

Email Address: mmcneil@liellmcneil.com

**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 to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 500226

Authorized User Name Michael B. McNeil

**9. Signature: /Michael B. McNeil/**

2013-03-21

Signature

Date

Michael B. McNeil

Name of Person Signing

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

6

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

ATTACHED PAGE  
FOR  
RECORDATION FORM COVER SHEET

Continuation of Information Item 1

Randall H. Bishop

## ASSIGNMENT

WHEREAS, Francis E. Erbes, residing at Laredo, Texas, hereinafter referred to as ASSIGNOR has invented together with Michael Grier II, Gary Harris and Randall H. Bishop a new and useful

### HIGH PRECISION GRINDING AND REMANUFACTURING OF MACHINE COMPONENTS

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 2/28/68; 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.

Francis E. Erbes  
FRANCIS E. ERBES

2/28/68  
Date

IN WITNESS OF the execution hereof by FRANCIS E. ERBES we have hereunto set our hands.

Witness (1)

Date

Address:

8223 E. HARRIS LANE  
LAREDO TX  
78045

Witness (2)

Date

Address:

1918 Brentwood Dr  
Washington, IL 61571

ASSIGNMENT

WHEREAS, Michael Grier, residing at 426 Dunaway Rd, Selmer, Tn 38375, hereinafter referred to as ASSIGNOR has invented together with Gary Harris, Randall H. Bishop and Francis E. Erbes a new and useful

HIGH PRECISION GRINDING AND REMANUFACTURING OF MACHINE COMPONENTS

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 1/9/08; 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.

Michael Grier  
MICHAEL GRIER

1/19/08  
Date

IN WITNESS OF the execution hereof by MICHAEL GRIER II we have hereunto set our hands.

Darryl V. Hodges  
Witness (1) 382 CR 510  
Address: Corinth MS 38331  
1-9-08

William J. Erbes  
Witness (2) 7490 State Rt 22  
Address: Adamsville TN 38310  
1-9-08

ASSIGNMENT

WHEREAS, Gary Harris, residing at Anniston, Alabama, hereinafter referred to as ASSIGNOR has invented together with Randall H. Bishop, Francis E. Erbes and Michael Grier II a new and useful

HIGH PRECISION GRINDING AND REMANUFACTURING OF MACHINE COMPONENTS

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 4-23-08; 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;

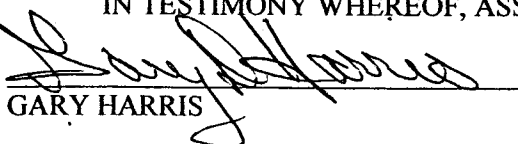
1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue 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.

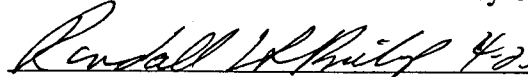
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.


IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

  
GARY HARRIS

4-23-08  
Date

IN WITNESS OF the execution hereof by GARY HARRIS we have hereunto set our hands.

  
Witness (1) 4-23-08  
Address: 3499 M.E. Elderly Rd  
MUNFORD, AL 36268

  
Witness (2) 4/23/08  
Address: 105 Chelsea LN  
Rainbow City, AL 35906

ASSIGNMENT

WHEREAS, Randall H. Bishop, residing at Munford, Alabama, hereinafter referred to as ASSIGNOR has invented together with Francis E. Erbes, Michael Grier II and Gary Harris a new and useful

HIGH PRECISION GRINDING AND REMANUFACTURING OF MACHINE COMPONENTS

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 4-23-08; 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.

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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.

Randall H. Bishop  
RANDALL H. BISHOP

4-23-08  
Date

IN WITNESS OF the execution hereof by RANDALL H. BISHOP we have hereunto set our hands.

[Signature] 4-23-08  
Witness (1) Date

Address: 1202 TURNER RD  
ANNISTON AL 36201

Robert K. Johnson 4/23/08  
Witness (2) Date

Address: 105 Chelsea Ln  
Rainbow City, AL 35906