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**PATENTS ONLY**J.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

John B. Walenta Timothy M. Hoeft  
Charles F. Berndt Gary D. Keil  
Thomas E. Clements  
Steven M. CrossAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name:  
Caterpillar Inc.  
Internal Address:  
100 NE Adams  
Peoria IL 61629-6490Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherExecution Date: 12/18/2003 12/18/2003  
12/18/2003 12/19/2003  
12/19/2003

## 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 is: 12/18/2003

A. Patent Application No.(s)

10745107

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Clifton G. Green  
Caterpillar Inc.  
Intellectual Property Department, AB6490  
100 N. E. Adams Street  
Peoria IL 61629-6490

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41) ..... \$ 40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

03-1129

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## 9. Signature.

Docket Number: 02-458

Clifton G. Green

Name of Person Signing

Signature

12/22/2003

Date

Total number of pages including cover sheet, attachments, and documents: 04

01/07/2004 ECOOPER 00000142 031129 10745107 documents to be recorded with cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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40.00 DA

PATENT  
REEL: 014849 FRAME: 0786

## **ASSIGNMENT**

WHEREAS, John B. Walenta, Charles F. Berndt, Thomas E. Clements, Steven M. Cross, Timothy M. Hoeffft, and Gary D. Keil, residing respectively at Peoria, Illinois; Pekin, Illinois; Peoria, Illinois; Peoria, Illinois; Morton, Illinois; and Hanna City, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

### **CARBIDE METHOD AND ARTICLE FOR HARD FINISHING RESULTING IN IMPROVED WEAR RESISTANCE**

for which ASSIGNORS are 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 ASSIGNORS on 12/18/03, 12/18/03, 12/19/03, 12/19/03, 12/18/03, and 12/19/03; 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 ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS;

1. ASSIGNORS hereby sell, assign, transfer and convey 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 ASSIGNORS have the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNORS agree 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. ASSIGNORS hereby authorize and request 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 ASSIGNORS, ASSIGNORS' heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

John B. Walenta  
JOHN B. VALENTA

12/18/03  
Date

IN WITNESS OF the execution hereof by JOHN B. VALENTA we have hereunto set our hands.

John P. Pater 12/18/03  
Witness (1) Date

Address: 501 N. MAGNOLIA  
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Joe Heedha 12/18/03  
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Charles F. Berndt  
CHARLES F. BERNDT

12/18/03  
Date

IN WITNESS OF the execution hereof by CHARLES F. BERNDT we have hereunto set our hands.

John F. Rock 12/18/03  
Witness (1) Date

Address: 113 BRENTWOOD DR.  
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Paul A. McManama 12/18/03  
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Thomas E. Clements  
THOMAS E. CLEMENTS

12/19/03  
Date

IN WITNESS OF the execution hereof by THOMAS E. CLEMENTS we have hereunto set our hands.

Patricia A. Allen 12-19-03  
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Steven M. Cross  
STEVEN M. CROSS

12/19/03  
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IN WITNESS OF the execution hereof by STEVEN M. CROSS we have hereunto set our hands.

Allen D. Baggett 12-19-03  
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Timothy M. Hoeft  
TIMOTHY M. HOEFFT

12/18/03  
Date

IN WITNESS OF the execution hereof by TIMOTHY M. HOEFFT we have hereunto set our hands.

Don Baker 12/18/03  
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Randall R. Conklyn 12/18/03  
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Gary D. Keil  
GARY D. KEIL

12/19/03  
Date

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

Kathy Hank 12/19  
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Fredrick Atwood 12/19/03  
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