

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
William` J. Tate	10/19/2010
Alexander C. Crosman	10/19/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Caterpillar Inc.
<b>Street Address:</b>	100 NE Adams Street
<b>Internal Address:</b>	AH9510
<b>City:</b>	Peoria
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61629-9510
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12939362
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(309)675-1236
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	309-675-5140
Email:	US_Docket_Clerk@cat.com
Correspondent Name:	Caterpillar Inc. Intellectual Property D
Address Line 1:	AH 9510
Address Line 2:	100 N.E. Adams Street
Address Line 4:	PEORIA, ILLINOIS 61629-9510
ATTORNEY DOCKET NUMBER:	09-316
NAME OF SUBMITTER:	Kelly Umholtz

**CH \$40.00 12939362**

Total Attachments: 2  
 source=09-316-US-Assignment-2010-11-04#page1.tif

**501341019**

**PATENT  
 REEL: 025313 FRAME: 0904**



**ASSIGNMENT**

WHEREAS, WILLIAM J TATE, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Alexander C Crosman a new and useful

**SYSTEM AND METHOD FOR CONTROLLING TRACTION**

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, 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.

William J Tate  
WILLIAM J TATE

10-19-10  
Date

IN WITNESS OF the execution hereof by WILLIAM J TATE we have hereunto set our hands,

[Signature] 10/19/10  
Witness (1) Date  
Address: 161 E Oak Cliff Ct #117  
Peoria, IL 61614

[Signature] 10/19/10  
Witness (2) Date  
Address: 2305 W Levee Road  
Peoria, IL 61615

ASSIGNMENT

WHEREAS, ALEXANDER C CROSMAN, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with William J Tate a new and useful

SYSTEM AND METHOD FOR CONTROLLING TRACTION

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 Oct 19, 2010; 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.

Alexander C Crosmán  
ALEXANDER C CROSMAN

Oct 19, 2010  
Date

IN WITNESS OF the execution hereof by ALEXANDER C CROSMAN we have hereunto set our hands.

[Signature] 10/19/10  
Witness (1) Date  
Address: 169 E Oak Cliff Ct #117  
Peoria, IL 61614

[Signature] 10/19/10  
Witness (2) Date  
Address: 2805 W. Hancock  
Peoria, IL 61615

PATENT