Form PTO-1595 (Rev. 10/02)

REC

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OMB No. 0651-0027 (exp. 6/30/2005)

103284757

S. DEPARTMENT OF COMMERCE	
U.S. Patent and Trademark Office	

Name of conveying party(ies):	Name and address of receiving party(ies)
Thomas A. Brosowske	
Aaron J. Weber Scott A. Snoble	Name: Caterpillar Inc.
Thomas L. Atwell	Internal Address:
Joseph R. Derk Cristian V. Striletchi	
Dwight V. Stone Additional name of conveying party(ies) attached? ☐ Yes ☒ □	No.
Additional flame of conveying party(les) attached? Yes	40
3. Nature of conveyance:	Street Address: 100 NE Adams Street
	Street Address.
☐ Security Agreement ☐ Change of Name	City Pagria State II 71- 644
☐ Other	City: Peoria State: IL Zip: 616
-	Additional Name(s) & address(es) attached? ☐ Yes 🏻
Execution Date: 5/16/06; 6/6/06; 7/6/06; 6/30/06; 5/12/06; 5/26/06; 6/20/	06
4. Application number(s) or patent number(s):	
A. Patent Application No.(s)	tion, the execution date of the application is: 5/16/06; 6/5/06; 7/6/0 B. Patent No.(s) 6/30/06; 5/12/06; 5/26/06; 6/
	1
Additional numbers	attached? Yes No
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Jonathan F. Yates	
concerning this document should be mailed: Name: Jonathan F. Yates	7. Total fee (37 CFR 3.41) \$ 40
concerning this document should be mailed:	7. Total fee (37 CFR 3.41) \$ 40
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concerning this document should be mailed: Name: Jonathan F. Yates Internal Address:	7. Total fee (37 CFR 3.41) \$ 40
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street	7. Total fee (37 CFR 3.41) \$ 40 ☐ Enclosed ☐ Authorized to be charged to deposit account
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street P.O. Box 2417	7. Total fee (37 CFR 3.41) \$ 40 Enclosed Authorized to be charged to deposit account 8. Deposit account number:
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street	7. Total fee (37 CFR 3.41) \$ 40 Enclosed Authorized to be charged to deposit account 8. Deposit account number:
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street P.O. Box 2417 City: Bloomington State: IN Zip: 47402	7. Total fee (37 CFR 3.41) \$ 40 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 500226
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street P.O. Box 2417 City: Bloomington State: IN Zip: 47402	7. Total fee (37 CFR 3.41) \$ 40 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 500226 (Attach duplicate copy of this page if paying by deposit account
concerning this document should be mailed: Name: Jonathan F. Yates Internal Address: Street Address: 511 S. Madison Street P.O. Box 2417 City: Bloomington State: IN Zip: 47402 DO NOT U	7. Total fee (37 CFR 3.41) \$ 40
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40.00 of Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

01 FC:8021

PATENT

REEL: 018136 FRAME: 0648

WHEREAS, Thomas A. Brosowske, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Joseph R. Derk, Dwight V. Stone, Cristian V. Striletchi, Aaron J. Weber, Scott A. Snoble and Thomas L. Atwell a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

for which ASSIGNOR is about to file an internation	al application	n and/or ma	ake application for Letter	S
Patent in the United States of America, such invention	on being desc	cribed and	identified by said	
application having an attached International Applica	ition Request	and/or an	attached Declaration and	l
Power of Attorney executed by ASSIGNOR on	Max 16.	2006	; and	
		· , , , , , , , , , , , , , , , , , , ,	<u> </u>	

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.

THOMAS A. BROSOWSKE

IN WITNESS OF the execution hereof by THOMAS A. BROSOWSKE we have hereunto set our hands.

| In Company | In Many |

05-818

WHEREAS, Aaron J. Weber, residing at Fort Wayne, Indiana, hereinafter referred to as ASSIGNOR has invented together with Scott A. Snoble, Thomas L. Atwell, Thomas A. Brosowske, Joseph R. Derk, Dwight V. Stone and Cristian V. Striletchi a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

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
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument. AARON J. WEBER Date
IN WITNESS OF the execution, hereof by AARON J. WEBER, we have hereunto set our hands. 6/6/06 Witness (2) Date Address: Zuz 7 (-olden Harvest Address: 9/6 U. LoTRE CT #202 Furthwayne IN 46845 PEORIA, IL 6/6/4

05-818

WHEREAS, Scott A. Snoble, residing at Pekin, Illinois, hereinafter referred to as ASSIGNOR has invented together with Thomas L. Atwell, Thomas A. Brosowske, Joseph R. Derk, Dwight V. Stone, Cristian V. Striletchi and Aaron J. Weber a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

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
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.
\mathcal{C}
Dott a. Dnable Tily 6, 2006
SCOTT A. SNOBLE Date
IN WITNESS OF the execution hereof by SCOTT A. SNOBLE we have hereungo senour hands.
Witness (1) Date Witness (2) Date Address: 6623 10 2 Senment
711 Devon Dr. J Peoria IL 611.14
Matamaria II (21549

05-818

WHEREAS, Thomas L. Atwell, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Thomas A. Brosowske, Joseph R. Derk, Dwight V. Stone, Cristian V. Striletchi, Aaron J. Weber and Scott A. Snoble a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

for which ASSIGNOR is about to file an international	al application and/or mal	ke application for Letters
Patent in the United States of America, such invention		
application having an attached International Applica	tion Request and/or an a	ttached Declaration and
Power of Attorney executed by ASSIGNOR on	6/30/06	: 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.

Thomas L. ATWEL	atwell	6/30/06 Date	
IN WITNESS OF the e Witness (1) Address: 605 4	Date Corr.ngton 6/604	Michael Smill Witness (2) Address: 2704 M.	(c/3c/2006 Date
05-818			

WHEREAS, Joseph R. Derk, residing at Morton, Illinois, hereinafter referred to as ASSIGNOR has invented together with Dwight V. Stone, Cristian V. Striletchi, Aaron J. Weber, Scott A. Snoble, Thomas L. Atwell and Thomas A. Brosowske a new and useful

	COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME
	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 5/12/06; 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 asknowledged by ASSIGNOR.
	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.
	Je 12-66
	JOSEPH R. DERK Date
	IN WITNESS OF the execution hereof by JOSEPH R. DERK we have hereunto set our hands.
_	trashuesta 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Witness (1) Date / 12/200/ Witness (2) Date / 12/200/ Address: 5305 Georgetus Cd
	Address: 1111/ X/ Northbrail Dr. Address: 3300 Govergetorn Rd.

05-818

WHEREAS, Cristian V. Striletchi, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Aaron J. Weber, Scott A. Snoble, Thomas L. Atwell, Thomas A. Brosowske, Joseph R. Derk and Dwight V. Stone a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

for which ASSIGNOR is about to file an interna	tional application and/or mal	ke application for Letters
Patent in the United States of America, such inv	ention being described and ic	dentified by said
application having an attached International App		
Power of Attorney executed by ASSIGNOR on	5-26-06	; and
UHIEDEAG C. W. t. D.		

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;

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- 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, ASSIGN	NOR has executed this instrument.	
Cistien Miteteli	05/26/2006	
CRISTIAN V. STRILETCHI	Date	
IN WITNESS OF the execution hereof by CRIS hands. Prasacl Pinna allowed Witness (1) Address: 10000 N Highings La	STIAN V. STRILETCHI we have hereunt Witness (2) Address: >> 3 E 5th 5th	o set our Date
Dynlag	Galosburg IL	
1461525	61401	 .
05-818		

WHEREAS, Dwight V. Stone, residing at East Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Cristian V. Striletchi, Aaron J. Weber, Scott A. Snoble, Thomas L. Atwell, Thomas A. Brosowske and Joseph R. Derk a new and useful

COMPLIANT GEAR ASSEMBLY AND WORK MACHINE USING SAME

C. III AGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
for which ASSIGNOR is about to file an international application and/or make application for Letter
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 $6/20/2006$; and
WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria,

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;

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- 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 TESTIMO Wylt DWIGHT V. STONE	-V. Stone	GNOR has executed this instrum 6/20/200 Date	
IN WITNESS OF the Witness (1) Address:	execution hereof by DW - L C 20/06 Date	VIGHT V. STONE we have here Witness (2) Address:	eunto set our hands. 6/20/06 Date
LOREKA,	BUD LN.	1501 West Coneflowe Promu, IL	r (Apt 2311) 61615

PATENT REEL: 018136 FRAME: 0655

RECORDED: 07/27/2006