PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bryan J. EVERETT	06/06/2011
Michael SIEMER	06/07/2011
Craig L. KOEHRSEN	06/07/2011
Andrew J. VITALE	06/07/2011
John R. ELLWOOD	06/07/2011

RECEIVING PARTY DATA

Name:	Caterpillar Inc.	
Street Address:	100 N.E. Adams Street	
Internal Address:	Intellectual Property Department	
City:	Peoria	
State/Country:	ILLINOIS	
Postal Code:	61629-9510	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13198480

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: ryan.stockett@finnegan.com

Correspondent Name: CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.

Address Line 1: 901 New York Avenue, NW

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413

ATTORNEY DOCKET NUMBER: 08350.0217-00000

NAME OF SUBMITTER: Virginia McNelis-Clark

PATENT

REEL: 026703 FRAME: 0679

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Total Attachments: 9 source=0217assignment#page1.tif source=0217assignment#page3.tif source=0217assignment#page4.tif source=0217assignment#page5.tif source=0217assignment#page6.tif source=0217assignment#page7.tif source=0217assignment#page8.tif source=0217assignment#page8.tif source=0217assignment#page8.tif

U.S. Department of Commerce RECORDATION FORM COVER SHEET Patent and Trademark Office PATENTS ONLY FORM PTO-1595 Attorney Docket No. 08350.0217-00000 1-31-92 Attorney Customer Number: 58,982 Mail Stop Assignment Recordation Services To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party: a) Bryan J. EVERETT b) Michael SIEMER Caterpillar Inc. Name: c) Craig L. KOEHRSEN d) Andrew J. VITALE e) John R. ELLWOOD Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No Internal Address: Intellectual Property Department Street Address: 100 N.E. Adams Street 3. Nature of conveyance: Peoria \boxtimes City: Assignment Merger Zip Code: 61629-9510 State: IL Change of Name Security Agreement Other: Additional name(s) & Address(es) attached? a) June 6, 2011 **Execution Date:** ☐ Yes ☑ No b) June 7, 2011 c) June 7, 2011 d) June 7, 2011 e) June 7, 2011 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: a) June 6, 2011; b) June 6, 2011; c) June 7, 2011; d) June 7, 2011; e) June 7, 2011 Patent Number(s): Patent Application Number(s): A. Additional numbers attached? ☐ Yes ☑ No Total number of applications and registrations involved: 1 4. Name and address of party to whom correspondence concerning document should be mailed: Total fee (37 CFR 3.41): \$40 Christopher P. Isaac 5. Name: \boxtimes Enclosed (Please charge deficiency to deposit account) Authorized to be charged to deposit account Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, N.W. Washington, D.C. City: 6. Deposit Account No. 06-0916 State: Zip: 20001 7. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature Date

Total number of pages including cover sheet, attachments and documents: 9

Ru C. Statett

Rvan C. Stockett, Reg. No. 53,642

August 4, 2011

ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assign MACHINE CONTROL SYSTEM HAVING AUTONOMOUS RESOURCE QUEUIN for United States Letters Patent concurrently herewith or filed an application for U () (); and	IG for which I executed an application		
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office Department, 100 N.E. Adams Street, Peoria, IL 61629-9510 (hereinafter referre securing the entire right, title, and interest in and to this invention in all countries to application for United States Letters Patent on this invention and the Letters Patent	ed to as Assignee), is desirous of hroughout the world, and in and to the		
NOW THEREFORE, be it known that for and in consideration of the sum other good and valuable consideration the receipt of which from Assignee is herel sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and successors and assigns, my entire right, title, and interest in and to this invention, 61/418,316, filed November 30, 2010, and this application, and all divisions, and of Patent of the United States which may be granted thereon, and all reissues there basis of the above provisional application, as well as all rights to claim priority on applications for Letters Patent which may hereafter be filed for this invention in an which may be granted on this invention in any foreign country, and all extensions, hereby authorize and request the Commissioner of Patents and Trademarks of the foreign country whose duty it is to issue patents on applications as described aborinvention to Assignee, its successors and assigns, in accordance with the terms of	by acknowledged, I, as Assignor, have diset over unto the Assignee, its lawful provisional application Serial No. continuations thereof, and all Letters of, and all rights to claim priority on the the basis of this application, and all by foreign country and all Letters Patent renewals, and reissues thereof; and I be United States and any official of any ve, to issue all Letters Patent for this		
AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;			
AND, I HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.			
IN TESTIMONY WHEREOF, I have hereunto set my hands.			
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Bryan J. EVERETT ASSIGNOR'S SIGNATURE	DATE Le Jun 2011		
ADDRESS 5126 N Isabell, Peoria, IL 61614	CITIZENSHIP USA		

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1. WITNESS NAME Lamos Lamphrey	WITNESS SIGNATURE Joy	DATE 27 Sone 2011
6363 Majors La	ne	CITIZENSHIP
Decafer EL	6252(
2. WITNESS NAME Exian O'Deill	WITNESS SIGNATURE WWW	27-Jun-11
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FULL NAME OF SECOND ASSIGNOR Michael SIEMER	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Craig L. KOEHRSEN	ASSIGNOR'S SIGNATURE	DATE JUNE 2011
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1. WITNESS NAME Eric Schultz	WITNESS SIGNATURE	DATE 7 JUNE 201/
1609 On 6 Ridge Washin	y km Il 61571	VSA-
	WITNESS, SIGNATURE	DATE
2. WITHESS NAME WILLIAM DONEAN	William Starlin	7 JUNE 2011
ADDRESS 5914 N LEAULUP CT	PEORIA IL 61614	US A
	I (and an united)	DATE
4. FULL NAME OF FOURTH ASSIGNOR Andrew J. VITALE	ASSIGNOR'S SIGNATURE	DATE SUMP 2011
4. FULL NAME OF FOURTH ASSIGNOR Andrew J. VITALE ADDRESS 3105 West Wilshire Drive, Peoria, IL 61614	ASSIGNOR'S SIGNATURE	DATE SUME 2011 CITIZENSHIP USA
Andrew J. VITALE	ASSIGNOR'S SIGNATURE	CITIZENSHIP
Andrew J. VITALE ADDRESS 3105 West Wilshire Drive, Peoria, IL 61614	ASSIGNOR'S SIGNATURE WITNESS SIGNATURE	DATE 7 June 2011
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Andrew J. VITALE ADDRESS 3105 West Wilshire Drive, Peoria, IL 61614 1. WITNESS NAME Fri Schult ADDRESS (609 O-k Rudge (1/215h)	WITNESS SIGNATURE y Du T (6/57)	DATE 7 Jue ZVII CITIZENSHIP
Andrew J. VITALE ADDRESS 3105 West Wilshire Drive, Peoria, IL 61614 1. WITNESS NAME Fri Schult ADDRESS (609 O-k Rudge (1/215h)	WITNESS SIGNATURE WITNESS SIGNATURE WITNESS SIGNATURE WILLIAM TOMAN	DATE 7 Jue ZNII CITIZENSHIP US/

5. FULL NAME OF FIFTH ASSIGNOR John R. ELLWOOD	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 45 Gaba Tepe St, Moorooka, Queensland 4105, Australia		CITIZENSHIP AUSTRALIAN
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
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ASSIGNMENT

WHEREAS I, the below named inventor, MACHINE CONTROL SYSTEM HAVING AUTOI for United States Letters Patent concurrently here () (filed on	ewith or filed an application for United States Lette	ecuted an application
\	on of Delaware whose post office address is Intel 61629-9510 (hereinafter referred to as Assigned to this invention in all countries throughout the wo	e), is desirous of orld, and in and to the
other good and valuable consideration the receips sold, assigned, transferred, and set over, and do successors and assigns, my entire right, title, and 61/418,316, filed November 30, 2010, and this apparent of the United States which may be granted basis of the above provisional application, as well applications for Letters Patent which may hereaft which may be granted on this invention in any for hereby authorize and request the Commissioner foreign country whose duty it is to issue patents of	and in consideration of the sum of One Dollar (\$1 to f which from Assignee is hereby acknowledged hereby sell, assign, transfer, and set over unto the interest in and to this invention, provisional application, and all divisions, and continuations the difference, and all reissues thereof, and all rights to a sall rights to claim priority on the basis of this a ter be filed for this invention in any foreign country reign country, and all extensions, renewals, and re of Patents and Trademarks of the United States as an applications as described above, to issue all Less, in accordance with the terms of this Assignment	I, I, as Assignor, have e Assignee, its lawful cation Serial No. reof, and all Letters o claim priority on the application, and all and all Letters Patent eissues thereof; and I and any official of any etters Patent for this
AND, I HEREBY covenant that I have the have not executed and will not execute any agree	e full right to convey the interest assigned by this a ement in conflict with this Assignment;	Assignment, and I/We
Assignee, its successors and assigns, any facts by proceeding, sign all lawful papers when called up necessary or desirable to perfect the title to this in divisional, continuation, and reissue applications, Assignee, its successors and assigns, to obtain a	gree that I/We will, without further consideration, c known to me respecting this invention, and testify on to do so, execute and deliver any and all pape nvention in said Assignee, its successors or assig , make all rightful oaths and generally do everything and enforce proper patent protection for this invention any expense incident to the execution of such pa	in any legal ers that may be ins, execute all ng possible to aid tion in the United States
IN TESTIMONY WHEREOF, I have here	eunto set my hands.	
FULL NAME OF SOLE OR FIRST ASSIGNOR Bryan J. EVERETT	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 5126 N Isabell, Peoria, IL 61614		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME MORRIS REID	WITNESS SIGNATURE M. Revol	DATE 7 /JUN/2011
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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ADDRESS 45 Gaba Tepe St, Moorooka, Queensland 4105, Australia		CITIZENSHIP AUSTRALIAN
1. WITNESS NAME MORKIS FIEID	WITNESS SIGNATURE M. Reucl	DATE 7 JUN/2011
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2. WITNESS NAME DAKRYL GOLLINS	WITNESS SIGNATURE	DATE / Jun (2011
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PATENT REEL: 026703 FRAME: 0689

RECORDED: 08/04/2011