

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bibhrajit HALDER</td> <td>10/06/2010</td> </tr> <tr> <td>Andrew J. VITALE</td> <td>10/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	Bibhrajit HALDER	10/06/2010	Andrew J. VITALE	10/06/2010						
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Andrew J. VITALE	10/06/2010												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Caterpillar Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 N.E. Adams Street</td> </tr> <tr> <td>Internal Address:</td> <td>Intellectual Property Department</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 N.E. Adams Street	Internal Address:	Intellectual Property Department	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629-9510
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<b>PROPERTY NUMBERS Total: 1</b>													
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Application Number:	12902929												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (202)408-4400</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-408-4000</p> <p>Email: ryan.stockett@finnegan.com</p> <p>Correspondent Name: CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.</p> <p>Address Line 1: 901 New York Avenue, NW</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413</p>													
ATTORNEY DOCKET NUMBER:	08350.9465-00000												
NAME OF SUBMITTER:	Ryan C. Stockett												
<p>Total Attachments: 3</p> <p>source=assignment#page1.tif</p> <p>source=assignment#page2.tif</p>													

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**PATENT**  
**REEL: 025127 FRAME: 0422**



FORM PTO-1595  
1-31-92

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 08350.9465-00000  
Attorney Customer Number: 58,982

To the Director of the U.S. Patent and Trademark Office:  
Please record the attached original documents or copy thereof.

Mail Stop Assignment Recordation Services

1. Name of conveying party: a) Bibhrajit HALDER b) Andrew J. VITALE		2. Name and address of receiving party(ies): Name: Caterpillar Inc.	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address: Intellectual Property Department	
3. Nature of conveyance:		Street Address: 100 N.E. Adams Street	
<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City: Peoria	
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: IL	Zip Code: 61629-9510
<input type="checkbox"/> Other:		Additional name(s) & Address(es) attached?	
Execution Date: a) October 6, 2010; b) October 6, 2010		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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) October 6, 2010; b) October 6, 2010			
A. Patent Application Number(s):		B. Patent Number(s):	
Additional numbers attached?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Name and address of party to whom correspondence concerning document should be mailed: Name: Christopher P. Isaac		Total number of applications and registrations involved: 1	
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		5. Total fee (37 CFR 3.41): \$40	
Street Address: 901 New York Avenue, N.W.		<input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account)	
City: Washington, D.C.		<input type="checkbox"/> Authorized to be charged to deposit account	
State:	Zip: 20001	6. Deposit Account No. 06-0916	
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.			
Ryan C. Stockett, Reg. No. 53,642		October 12, 2010	
Signature		Date	
Total number of pages including cover sheet, attachments and documents: 3			

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 08350.9465-00000  
Client Ref. No. 09-465

### ASSIGNMENT

WHEREAS I, the below named inventor, [hereinafter referred to as Assignor], have made an invention entitled: **AUTONOMOUS MACHINE CONTROL SYSTEM** for which I executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on ( ) ( ) filed on ( ); and


WHEREAS, **Caterpillar Inc.**, a corporation of **Delaware** whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, provisional application Serial No. , filed , and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application, as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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 <b>Bibhrajit HALDER</b>	ASSIGNOR'S SIGNATURE 	DATE <b>06 Oct 2010</b>
ADDRESS <b>2118 W. Gerald Drive, Peoria, IL 61615</b>		CITIZENSHIP <b>INDIAN</b>

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 08350.9465-00000  
Client Ref. No. 09-465

1. WITNESS NAME <i>William DENNIS DONLAN</i>	WITNESS SIGNATURE <i>William Dennis Donlan</i>	DATE <i>6 OCT 2010</i>
ADDRESS <i>5514 N. LEAWOOD CT, PEORIA, IL 61615</i>		CITIZENSHIP <i>USA</i>
2. WITNESS NAME <i>Douglas J. Roberts</i>	WITNESS SIGNATURE <i>Douglas J Roberts</i>	DATE <i>10-6-2010</i>
ADDRESS <i>5605 W. Ancient Oak, Peoria IL 61615</i>		CITIZENSHIP <i>US</i>

2. FULL NAME OF SOLE OR FIRST ASSIGNOR <i>Andrew J. VITALE</i>	ASSIGNOR'S SIGNATURE <i>Andrew Vitale</i>	DATE <i>6 OCT 2010</i>
ADDRESS <i>3105 West Wilshire Drive, Peoria, IL 61614</i>		CITIZENSHIP <i>USA</i>
1. WITNESS NAME <i>William DENNIS DONLAN</i>	WITNESS SIGNATURE <i>William Dennis Donlan</i>	DATE <i>6 OCT 2010</i>
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