

09-15-2006

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 08350.6214

103307613

To the Director of the U.S. Patent and T  
Please record the attached original doc

Mail Stop Assignment Recordation Services

1. Name of conveying parties:  
(1) Chad T. BRICKNER;  
(2) Christopher K. HOADLEY; and  
(3) Bret J. JANSON

2. Name and address of receiving party:

Name: Caterpillar Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

Street Address: 100 N.E. Adams Street

☒ Assignment☐ Merger

City: Peoria

☐ Security Agreement☐ Change of Name

State:

Illinois

Zip Code:

61629-6490

☐ Joint Research  
Agreement☐ Government Interest  
Assignment

Additional name(s) &amp; Address(es) attached?

☐ Executive Order 9494,  
Confirmatory License☐ Other:☐ Yes☒ NoExecution Date: (1) August 31, 2006; (2) August 31, 2006; and  
(3) September 1, 2006.

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: (1) August 31, 2006; (2) August 31, 2006; and (3) September 1, 2006.

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☐ No

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

6. Total number of applications and patents involved:  
1

Name: Elizabeth M. Burke, Esq.

7. Total fee (37 CFR 1.21(h) and 3.41): \$40

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.☒ Enclosed (Please charge deficiency or credit  
overpayment to deposit account 06-0916)

Street Address: 901 New York Avenue, N.W.

☐ Authorized to be charged to deposit account

City: Washington, D.C.

State: Zip: 20001-4413

8. Deposit Account No.: 06-0916

9. 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.

Signed:

  
Elizabeth M. Burke  
Reg. No. 38,758

September 11, 2006

Date

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

10

5/2006

09/13/2006 MBIZUNES 00000012 11518128

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PATENT  
REEL: 018298 FRAME: 0336

## SOLE/JOINT INVENTION

(Worldwide Rights)

Attorney Docket No. 08350.6214-00000

Client Ref. No. 06-214

## ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors, have made an invention entitled:

## IMPLEMENT CONTROL SYSTEMS BASED ON INPUT POSITION AND VELOCITY

for which We executed an application for United States Letters Patent concurrently herewith; and

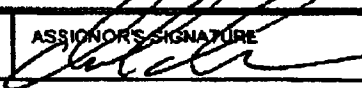
WHEREAS, Caterpillar Inc, a corporation of Delaware, whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-8490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and 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, We, as Assignors have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention 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, 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 We 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us 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, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Chad T. BRICKNER	ASSIGNOR'S SIGNATURE 	DATE 8/21/2006
ADDRESS 2534 Hillsboro Blvd., Aurora, Illinois 60503-6732		CITIZENSHIP U.S.

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 08350.6214-00000  
Client Ref. No. 08-214

1. WITNESS NAME DOMINIK SKWARNICKI	WITNESS SIGNATURE <i>Dominik Skwarnicki</i>	DATE 8/31/06
ADDRESS 1418 N MOHAWK ST, APT 1N, CHICAGO, IL 60610		CITIZENSHIP U.S.

2. WITNESS NAME ADAM HENDZEL	WITNESS SIGNATURE <i>Adam Hendzel</i>	DATE 8/31/06
ADDRESS 5303 VELVET BENT CT NAPERVILLE, IL 60564		CITIZENSHIP US

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Christopher K. HOADLEY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 11464 00E Street, Kewanee, Illinois 61443		CITIZENSHIP U.S.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
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Client Ref. No. 06-214

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Brett J. JANSON	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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ADDRESS 2534 Hillsboro Blvd., Aurora, Illinois 60503-6732		CITIZENSHIP U.S.

Listing of Inventors Continued on Page 2 hereof ☒ Yes ☐ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Christopher K. HOADLEY	ASSIGNOR'S SIGNATURE <i>Christopher K. Hoadley</i>	DATE 2006-08-31
ADDRESS 11464 00E Street, Kewanee, Illinois 61443		CITIZENSHIP U.S.

1. WITNESS NAME <i>Julie Schmidt</i>	WITNESS SIGNATURE <i>Julie Schmidt</i>	DATE 2006-08-31
ADDRESS <i>206 cloverfield Dr. Chillicothe, IL 61523</i>		CITIZENSHIP U.S.

2. WITNESS NAME <i>Eric Schultz</i>	WITNESS SIGNATURE <i>E. Schultz</i>	DATE 2006-08-31
ADDRESS <i>1609 Oak Ridge Washington, IL 61571</i>		CITIZENSHIP U.S.

3. FULL NAME OF THIRD ASSIGNOR, IF ANY <b>Brett J. JANSON</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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3. FULL NAME OF THIRD ASSIGNOR, IF ANY Brett J. JANSON	ASSIGNOR'S SIGNATURE <i>Brett Janson</i>	DATE 9/1/06
ADDRESS 116 Cherbourg Ct., East Peoria, Illinois 61611		CITIZENSHIP U.S.

1. WITNESS NAME Steven C. Budde	WITNESS SIGNATURE <i>Steven C Budde</i>	DATE 9/1/06
ADDRESS 724 S. Prairieview Dr., Dunlap, IL 61525		CITIZENSHIP U.S.

2. WITNESS NAME BRETT MASEAR	WITNESS SIGNATURE <i>Brett Masear</i>	DATE 9-1-06
ADDRESS 214 S. Jackson, Birmfield, IL 61517		CITIZENSHIP U.S.