

01-31-2007



103368317

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

Mail Stop Assignment Recordation Services

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

01-26-07

1. Name of conveying parties: (1) Chad T. BRICKNER; (2) Christopher K. HOADLEY; and (3) Brett J. JANSON	2. Name and address of receiving party: Name: Caterpillar Inc.
--	---

Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Internal Address:
--	-------------------

3. Nature of conveyance:	Street Address: 100 N.E. Adams Street
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<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City: Peoria
--	---------------------------------	--------------

<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: Illinois	Zip Code: 61629-6490
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<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:
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Execution 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? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916) <input type="checkbox"/> 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.	
City: Washington, D.C.	

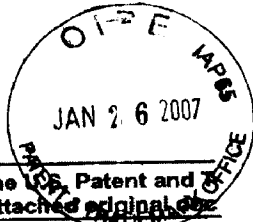
State: Zip: 20001-4413	8. Deposit Account No.: 06-0916
------------------------	---------------------------------

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 January 26, 2007
 Elizabeth M. Burke Date
 Reg. No. 38,758

Total number of pages including cover sheet, attachments and documents: 10

5/2006
01/30/2007 DBYRNE 00000079 11518128
01 FC:8021 40.00 OP



09-15-2006



103307613

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

Mail Stop Assignment Recordation Services

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

1. Name of conveying parties: (1) Chad T. BRICKNER; (2) Christopher K. HOADLEY; and (3) Bret J. JANSON <i>Brett</i>	2. Name and address of receiving party: Name: Caterpillar Inc.
--	---

Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Internal Address:
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3. Nature of conveyance:	Street Address: 100 N.E. Adams Street
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<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City: Peoria
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<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: Illinois	Zip Code: 61629-6490
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<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:	

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

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Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

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Name: Elizabeth M. Burke, Esq.	7. Total fee (37 CFR 1.21(h) and 3.41): \$40
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--	--

Street Address: 901 New York Avenue, N.W.	<input type="checkbox"/> Authorized to be charged to deposit account
---	--

City: Washington, D.C.	8. Deposit Account No.: 06-0916
------------------------	---------------------------------

State: Zip: 20001-4413	
------------------------	--

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* 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 MBIZUMES 00000012 11518128
04 FC:8021 40.00 DP

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

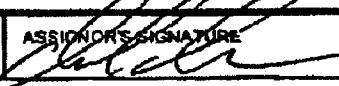
WHEREAS, Caterpillar Inc, a corporation of Delaware, whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-8490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and 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 8/31/2006
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. 08350.6214-0000
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

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 61629-6490 (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
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>Zoie 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 Brett J. JANSON	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
 (Worldwide Rights)
 Attorney Docket No. 08350.6214-00000
 Client Ref. No. 06-214

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ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.5753-00000
Client Ref. No. 05-753

3. FULL NAME OF FOURTH ASSIGNOR, IF ANY Andrew J. KONSKY		ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1051 Mallard Way, Washington, IL 61571		CITIZENSHIP U.S.	
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	



UNITED STATES PATENT AND TRADEMARK OFFICE

DWH+ -CPI -AXC -CH

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 25, 2006

FINNEGAN, HENDERSON, FARABOW, GARRETT
LLP
901 NEW YORK AVENUE, NW
WASHINGTON, DC 20001-4413

PTAS



SEP 29 2006

FINNEGAN, HENDERSON, FARABOW,
GARRETT AND DUNNER, LLP
UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/11/2006

REEL/FRAME: 018298/0336
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 08350.6214

ASSIGNOR:

BRICKNER, CHAD T.

DOC DATE: 08/31/2006

ASSIGNOR:

HOADLEY, CHRISTOPHER K.

DOC DATE: 08/31/2006

ASSIGNOR:

JANSON, ~~BRET~~ J.
BRETT

DOC DATE: 09/01/2006

ASSIGNEE:

CATERPILLAR INC.
100 N.E. ADAMS STREET
PEORIA, ILLINOIS 61629-6490

SERIAL NUMBER: 11518128

FILING DATE: 09/11/2006

PATENT NUMBER:

ISSUE DATE:

TITLE: IMPLEMENT CONTROL SYSTEM BASED ON INPUT POSITION AND VELOCITY

DK 70
9-29-06