



11-02-2007



103458556

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 08350.6577-00000  
Client Reference No. 06-577

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(ies): (1) Kenneth L. Stratton; (2) Jamie Shults; (3) Jean-Jacques Clar; (4) Derrick Darby; (5) Augusto J. Opdenbosch; and (6) Juan Carlos Santamaria	2. Name and address of receiving party(ies):  Name: Caterpillar Inc.
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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
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<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:
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Execution Date: (1) April 4, 2007; (2) March 20, 2007; (3) July 27, 2007; (4) March 17, 2007; (5) March 16, 2007; and (6) March 16, 2007
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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. Patent Application Number: 11/700,015

B. Patent Number(s):

Additional numbers attached? ☐ Yes ☒ No

4. Name and address of party to whom correspondence concerning document should be mailed:	5. Total number of applications and patents involved: 1
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Name: Christopher P. Isaac, Esq.

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

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

☒ Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)

☐ Authorized to be charged to deposit account

7. Deposit Account No.: 06-0916

8. 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:

Roland G. McAndrews  
Reg. No. 41,450

October 30, 2007

Date

Total number of pages including cover sheet, attachments and documents: 13

11/01/2007 MGETACHE 00000008 11700015

01 FC:8021

40.00 DP

PATENT  
REEL: 020065 FRAME: 0808

**ASSIGNMENT**

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

**SIMULATION SYSTEM IMPLEMENTING REAL-TIME MACHINE DATA**

for which We filed an application for United States Letters Patent on January 31, 2007 (Application No. 11/700,015); 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.

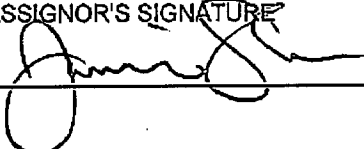
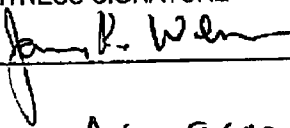
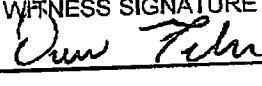
NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee are hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, 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, and all rights to claim priority on the basis of the above provisional application (if any), 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;

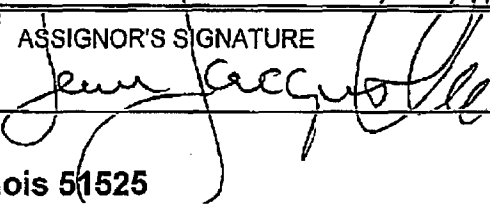
AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

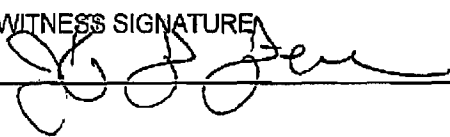
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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.

SOLE/JOINT INVENTION  
 (Worldwide Rights)  
 Attorney Docket No. 08350.6577-00000  
 Client Ref. No. 06-577

1. FULL NAME OF FIRST ASSIGNOR <b>Kenneth L. Stratton</b>		ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>616 Hickory Grove Ct, Dunlap, Illinois 61525</b>			CITIZENSHIP <b>USA</b>
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS			CITIZENSHIP
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS			CITIZENSHIP
1. FULL NAME OF SECOND ASSIGNOR <b>Jamie Shults</b>		ASSIGNOR'S SIGNATURE 	DATE <b>3/20/07</b>
ADDRESS <b>130 W Hanssler PL, Peoria, Illinois 61604</b>			CITIZENSHIP <b>USA</b>
1. WITNESS NAME <b>James R. Wilson</b>		WITNESS SIGNATURE 	DATE <b>3/20/07</b>
ADDRESS <b>10782 N. RiverPoint Ct. Tucson, Ariz 85737</b>			CITIZENSHIP <b>U.S.</b>
2. WITNESS NAME <b>DREW FENR</b>		WITNESS SIGNATURE 	DATE <b>3/20/07</b>
ADDRESS <b>413 Stoneway Drive Marton, IL</b>			CITIZENSHIP <b>U.S.</b>

3. FULL NAME OF THIRD ASSIGNOR <b>Jean-Jacques Clar</b>	ASSIGNOR'S SIGNATURE 	DATE 7/27/07
ADDRESS <b>526 S Breckenridge Drive, Dunlap, Illinois 51525</b>		CITIZENSHIP <b>Canada</b>

1. WITNESS NAME <b>JACOB T. FENN</b>	WITNESS SIGNATURE 	DATE 7/27/07
ADDRESS <b>16410 S. SAHUARITA PLACE</b>		CITIZENSHIP <b>U.S.</b>
<b>SAHUARITA AZ, 85629</b>		

2. WITNESS NAME <b>Jason Pagnotta</b>	WITNESS SIGNATURE 	DATE 7/27/07
ADDRESS <b>8007 Tree Frog Trail</b>		CITIZENSHIP <b>USA</b>
<b>Tucson, AZ 85735</b>		

4. FULL NAME OF FOURTH ASSIGNOR <b>Derrick Darby</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>5379 Redfield Drive, Dunwoody, GA 30338</b>		CITIZENSHIP <b>USA</b>
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME FIFTH ASSIGNOR <b>Augusto J. Opdenbosch</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>1842 Liberty Lane, Roswell, GA 30075</b>		CITIZENSHIP
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME SIXTH ASSIGNOR <b>Juan Carlos Santamaria</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>1295 Chattahooche Run Drive, Suwanee, GA 30024</b>		CITIZENSHIP
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
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We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

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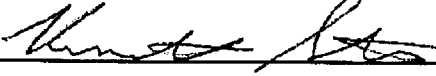
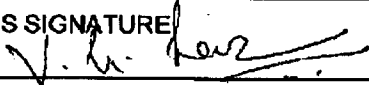

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is **100 N.E. Adams Street, Peoria, IL 61629-6490** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in 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 are 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, and all rights to claim priority on the basis of the above provisional application (if any), 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;

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IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR <b>Kenneth L. Stratton</b>	ASSIGNOR'S SIGNATURE 	DATE 4-4-07
ADDRESS <b>616 Hickory Grove Ct, Dunlap, Illinois 61525</b>		CITIZENSHIP <b>USA</b>
1. WITNESS NAME <b>SAIRAM VELAMAKANNZ</b>	WITNESS SIGNATURE 	DATE 4 <sup>th</sup> APR 2007
ADDRESS <b>1911 W CIMARRON DRIVE</b>		CITIZENSHIP <b>INDIA</b>
<b>PEORIA, IL- 61614</b>		
2. WITNESS NAME <b>MICHAEL S. MCDANIEL</b>	WITNESS SIGNATURE 	DATE 4-APRIL, 2007
ADDRESS <b>827 N. REBECCA PLACE</b>		CITIZENSHIP <b>USA</b>
<b>PEORIA, IL 61606</b>		
2. FULL NAME OF SECOND ASSIGNOR <b>Jamie Shults</b>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>130 W Hanssler PL, Peoria, Illinois 61604</b>		CITIZENSHIP <b>USA</b>
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ADDRESS <b>526 S Breckenridge Drive, Dunlap, Illinois 51525</b>		CITIZENSHIP <b>Canada</b>	
1. WITNESS NAME <i>Daryl Belshan</i>		WITNESS SIGNATURE <i>Daryl Belshan</i>	DATE <i>4-19-07</i>
ADDRESS <i>912 W. Loire Ct. Apt. 202</i>		CITIZENSHIP <i>USA</i>	
<i>Peoria, IL 61614</i>			
2. WITNESS NAME <i>Yifeng Lin</i>		WITNESS SIGNATURE <i>Yifeng Lin</i>	DATE <i>4-19-07</i>
ADDRESS <i>2215 W Willow Knolls Dr., Unit 607</i>		CITIZENSHIP <i>P.R. China</i>	
<i>Peoria, IL 61614</i>			
4. FULL NAME OF FOURTH ASSIGNOR <b>Derrick Darby</b>		ASSIGNOR'S SIGNATURE	DATE
ADDRESS <b>5379 Redfield Drive, Dunwoody, GA 30338</b>		CITIZENSHIP <b>USA</b>	
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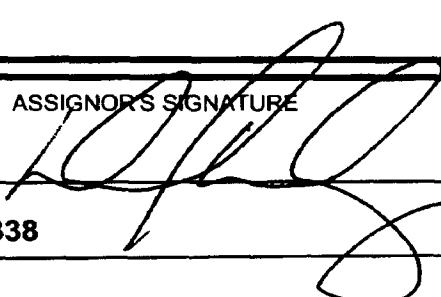

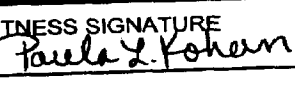
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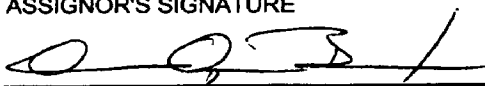


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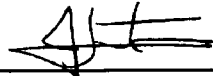

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2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
1. FULL NAME OF FOURTH ASSIGNOR <b>Derrick Darby</b>		ASSIGNOR'S SIGNATURE 	DATE <b>3-17-2007</b>
ADDRESS <b>5379 Redfield Drive, Dunwoody, GA 30338</b>		CITIZENSHIP <b>USA</b>	
1. WITNESS NAME <b>Sally DeBardelaben</b>		WITNESS SIGNATURE 	DATE <b>3-16-2007</b>
ADDRESS <b>11020 Big Lake, Jasper, GA 30143</b>		CITIZENSHIP <b>USA</b>	
2. WITNESS NAME <b>Paula Kohan</b>		WITNESS SIGNATURE 	DATE <b>3-16-2007</b>
ADDRESS <b>345 Seneca Drive, Lawrenceville, GA 30044</b>		CITIZENSHIP <b>USA</b>	

2. FULL NAME FIFTH ASSIGNOR <b>Augusto J. Opdenbosch</b>	ASSIGNOR'S SIGNATURE 	DATE 3/16/07
ADDRESS <b>1842 Liberty Lane, Roswell, GA 30075</b>		CITIZENSHIP BELGIUM
1. WITNESS NAME Sally DeBardelaben	WITNESS SIGNATURE 	DATE 3-16-2007
ADDRESS 11020 Big Canoe, Jasper, GA 30143		CITIZENSHIP USA
2. WITNESS NAME Paula Kohan	WITNESS SIGNATURE 	DATE 3-16-2007
ADDRESS 345 Seneca Drive, Lawrenceville, GA 30044		CITIZENSHIP USA

2. FULL NAME SIXTH ASSIGNOR <b>Juan Carlos Santamaria</b>	ASSIGNOR'S SIGNATURE 	DATE 3/16/2007
ADDRESS <b>1295 Chattahooche Run Drive, Suwanee, GA 30024</b>		CITIZENSHIP VENEZUELA
1. WITNESS NAME Sally DeBardelaben	WITNESS SIGNATURE 	DATE 3-16-2007
ADDRESS 11020 Big Canoe, Jasper, GA 30143		CITIZENSHIP USA
2. WITNESS NAME Paula Kohan	WITNESS SIGNATURE	DATE 3-16-2007
ADDRESS 345 Seneca Drive, Lawrenceville, GA 30044		CITIZENSHIP USA