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U.S. Department of Commerce
Patent and Trademark Office
CAT Ref.: 06-918
Attorney Docket No.
08350.6918-00000

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

Mail Stop Assignment Recordation Service

1. Name of conveying party(ies): (1)Anthony J. GRICHNIK, (2) Michael Lee TAYLOR, (3) Christos NIKOLOPOULOS, (4) James Robert MASON, (5)Meredith Jaye CLER, and (6) Gabriel Carl HART		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: Illinois	Zip Code: 61629-6490
<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) October 31, 2007; (2) October 30, 2007; (3) October 31, 2007; (4) October 31, 2007; (5) October 31, 2007; (6) October 31, 2007			
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) October 31, 2007; (2) October 30, 2007; (3) October 31, 2007; (4) October 31, 2007; (5) October 31, 2007; (6) October 31, 2007			
A. Patent Application Number(s):		B. Patent Number(s):	
Additional numbers attached?		<input type="checkbox"/> Yes <input checked="" 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 one (1)	
Name: Nathan A. Sloan (202) 408-4000		7. Total fee (37 CFR 1.21(h) and 3.41): \$40	
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		<input checked="" type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)	
Street Address: 901 New York Avenue, N.W.		<input type="checkbox"/> 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:		11/05/2007 CNGUYEN2 00000001 11/979409 05 FC:8021 40.00 OP	
Nathan A. Sloan Registration No. 56,249		November 2, 2007 Date	
Total number of pages including cover sheet, attachments and documents: five (21)			

ASSIGNMENT

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

METHOD AND SYSTEM FOR REDUCING A DATA SET

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

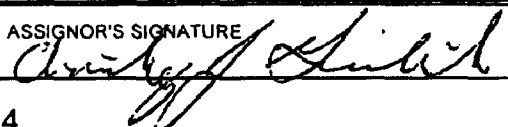
WHEREAS, **Caterpillar Inc.**, a corporation of Delaware, whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and 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, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____ (if any), 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 me/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 Anthony J. GRICHNIK	ASSIGNOR'S SIGNATURE 	DATE 31 Oct '07
ADDRESS 3221 N. Sheridan Road, Peoria, IL 61604		CITIZENSHIP U.S.A.

1. WITNESS NAME DEEP BANDYOPADHYAY	WITNESS SIGNATURE 	DATE 31-Oct-07
ADDRESS 100 WOODVIEW LANE, E PEORIA, IL 61611		CITIZENSHIP INDIA

2. WITNESS NAME Timothy J. Felty	WITNESS SIGNATURE 	DATE 31-Oct-07
ADDRESS 6815 N Terra Vista Dr #504		CITIZENSHIP U.S.A.

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Michael Lee TAYLOR	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 120 Maple Ridge Drive, Morton, IL 61550		CITIZENSHIP U.S.A.

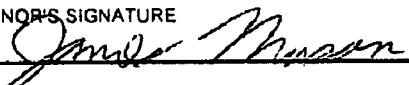
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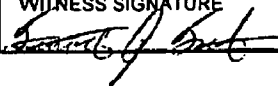
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christos NIKOLOPOULOS	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 126 S. Columbus Street, North Pekin, IL 61554		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
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4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Robert MASON	ASSIGNOR'S SIGNATURE 	DATE 10/31/07
ADDRESS 3400 N Knoxville Ave, Apt A5 Peoria, IL 61603		CITIZENSHIP U.S.A.

1. WITNESS NAME DEEP BANDYOPADHYAY	WITNESS SIGNATURE 	DATE 31-OCT-07
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5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Meredith Jaye CLER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 414 W. Elizabeth Ave #3B, Peoria, IL 61606		CITIZENSHIP U.S.A.

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SOLE/JOINT INVENTION

(Worldwide Rights)

Attorney Docket No. 08350.6918-00000

Client Ref. No. 06-918

Customer No. 58,982

ASSIGNMENT

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ADDRESS 120 Maple Ridge Drive, Morton, IL 61550		CITIZENSHIP U.S.A.

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Customer No. 58,982

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christos NIKOLOPOULOS	ASSIGNOR'S SIGNATURE <i>Christos Nikolopoulos</i>	DATE 10/31/07
ADDRESS 126 S. Columbus Street, North Pekin, IL 61554 6450 N. Live Oak Ct. Peoria, IL 61615		CITIZENSHIP U.S.A.

1. WITNESS NAME Monica McGill	WITNESS SIGNATURE <i>Monica McGill</i>	DATE 10/31/07
ADDRESS 336 N. 3rd Ave, Morton, IL 61550		CITIZENSHIP USA

2. WITNESS NAME Meredith A Houghton	WITNESS SIGNATURE <i>Meredith A Houghton</i>	DATE 10-31-07
ADDRESS 502 E. Thrush, Peoria IL 61603		CITIZENSHIP USA

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Robert MASON	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3400 N Knoxville Ave, Apt A5 Peoria, IL 61603		CITIZENSHIP U.S.A.

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5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Meredith Jaye CLER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 414 W. Elizabeth Ave #3B, Peoria, IL 61606		CITIZENSHIP U.S.A.

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2. FULL NAME OF SECOND ASSIGNOR, IF ANY Michael Lee TAYLOR	ASSIGNOR'S SIGNATURE <i>Michael Lee Taylor</i>	DATE 10/30/07
ADDRESS 120 Maple Ridge Drive, Morton, IL 61550		CITIZENSHIP U.S.A.

1. WITNESS NAME Brenda Schertz	WITNESS SIGNATURE <i>Brenda Schertz</i>	DATE 10/30/07
ADDRESS 325 ARBOR VITAE DRIVE METAMORA IL 61548		CITIZENSHIP USA

2. WITNESS NAME Mindy Mooney	WITNESS SIGNATURE <i>Mindy Mooney</i>	DATE 10-30-07
ADDRESS 113 Campus Avenue EAST PERRIS, ILLINOIS 61611		CITIZENSHIP USA

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3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christos NIKOLOPOULOS	ASSIGNOR'S SIGNATURE	DATE
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6. FULL NAME OF FIFTH ASSIGNOR, IF ANY Meredith Jaye CLER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 414 W. Elizabeth Ave #3B, Peoria, IL 61606		CITIZENSHIP U.S.A.

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ADDRESS 414 W. Elizabeth Ave #3B, Peoria, IL 61606		CITIZENSHIP U.S.A.

1. WITNESS NAME NAUSHEEN AHMAD	WITNESS SIGNATURE <i>Nausheen Ahmad</i>	DATE 10/31/07
ADDRESS 2325 W CHASE DR., DONLAP, IL- 61525		CITIZENSHIP INDIA

2. WITNESS NAME Frankie Mohr	WITNESS SIGNATURE <i>Frankie Mohr</i>	DATE 10/31/07
ADDRESS 325 Circuit Ct. East Peoria, IL 61611		CITIZENSHIP U.S.A.

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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, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____ (if any), 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 me/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 Anthony J. GRICHNIK	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3221 N. Sheridan Road, Peoria, IL 61604		CITIZENSHIP U.S.A.

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.6918-00000
Client Ref. No. 06-918
Customer No. 58,982

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Michael Lee TAYLOR	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 120 Maple Ridge Drive, Morton, IL 61550		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.6918-00000
Client Ref. No. 06-918
Customer No. 58,982

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christos NIKOLOPOULOS	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 126 S. Columbus Street, North Pekin, IL 61554		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY James Robert MASON	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3400 N Knoxville Ave, Apt A5 Peoria, IL 61603		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.6918-00000
Client Ref. No. 06-918
Customer No. 58,982

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Meredith Jaye CLER	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 414 W. Elizabeth Ave #3B, Peoria, IL 61606		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Gabriel Carl HART	ASSIGNOR'S SIGNATURE <i>Gabriel C. Hart</i>	DATE 10/31/07
ADDRESS 126 S. Columbus Street, North Pekin, IL 61554		CITIZENSHIP U.S.A.

1. WITNESS NAME Marc D Shapiro	WITNESS SIGNATURE <i>Marc D Shapiro</i>	DATE 10/31/07
ADDRESS 505 Kaskaskia Rd, Marquette Heights, IL 61554		CITIZENSHIP U.S.A.

2. WITNESS NAME MICHELE BARBIEUR	WITNESS SIGNATURE <i>Michele K. Barbieur</i>	DATE 10/31/07
ADDRESS 105 CLAYTON CT EAST PEORIA IL 61611		CITIZENSHIP USA