

12-24-2002



To the Honorable Commissioner of Patents
Please record the attached original documents or copy thereof.

102320664

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies): Scott Shafer Alan Stockner Ye Tian	12-17-02	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: IL	Zip Code: 61629-6490
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<input type="checkbox"/> Other:	Additional name(s) & Address(es) attached?
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Execution Date: November 21, 2002; December 2, 2002; and November 22, 2002; respectively.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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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: November 21, 2002; December 2, 2002; and November 22, 2002; respectively.

A. Patent Application Number(s): 10320802	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 registrations involved: One
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Name: Christopher P. Isaac	7. Total fee (37 CFR 3.41): \$40
	<input checked="" type="checkbox"/> Enclosed (Please charge deficiency to depos account)
	<input type="checkbox"/> Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.	8. Deposit Account No.: 06-0916
Street Address: 1300 I Street, N.W.	
City: Washington, D.C.	
State: Zip: 20005-3315	

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.

Joseph E. Palys		12/17/02
Reg. No. 46,508	Signature	Date

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

12/23/2002 6TDM11 00000121 10320802
01 FC:8021 40.00 DP

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD FOR PREDICTING THE QUALITY OF A PRODUCT

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____; and

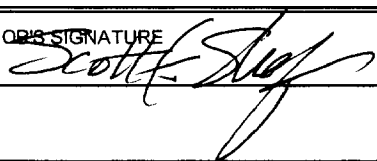
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries 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, I/We, as Assignor(s), 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 I/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, I/WE HEREBY covenant that I/We 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/WE HEREBY further covenant and agree that I/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, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Scott Shafer	ASSIGNOR'S SIGNATURE 	DATE 11/21/02
ADDRESS 248 N. Kansas Ave., Morton Il 61550		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof * Yes No

1. WITNESS NAME <i>Richard H. Holmman</i>	WITNESS SIGNATURE <i>Richard H. Holmman</i>	DATE <i>11/21/02</i>
ADDRESS <i>2030 W. Bristol Hollow Rd</i>		CITIZENSHIP <i>WA</i>
<i>DUNLAP IL 61525 9378</i>		

2. WITNESS NAME <i>Thomas L Derry</i>	WITNESS SIGNATURE <i>Thomas L Derry</i>	DATE <i>11-21-2002</i>
ADDRESS <i>9353 Timber Terrace</i>		CITIZENSHIP <i>USA</i>
<i>Peoria, IL 61623</i>		

3. FULL NAME OF SECOND ASSIGNOR, IF ANY <i>Alan Stockner</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>15 Woodford War, Metamora, IL 61548</i>		CITIZENSHIP <i>United States</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF THIRD ASSIGNOR, IF ANY Ye Tian	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 25 Swan Lake, Bloomington, IL 61704		CITIZENSHIP PR China

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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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, I/We, as Assignor(s), 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 I/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, I/WE HEREBY covenant that I/We 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/WE HEREBY further covenant and agree that I/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.

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Listing of Inventors Continued on Page 2 hereof * Yes No

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2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF SECOND ASSIGNOR, IF ANY Alan Stockner	ASSIGNOR'S SIGNATURE <i>Alan R Stockner</i>	DATE 12/02/02
ADDRESS 15 Woodford War, Metamora, IL 61548		CITIZENSHIP United States

1. WITNESS NAME <i>Amy M. Hess</i>	WITNESS SIGNATURE <i>Amy M. Hess</i>	DATE 12/2/02
ADDRESS 1292N. Woodland Knolls Lane Metamora IL 61548		CITIZENSHIP USA

2. WITNESS NAME <i>Todd M. Wieland</i>	WITNESS SIGNATURE <i>Todd M. Wieland</i>	DATE 12-2-02
ADDRESS 34 Paige Pl Bloomington, IL 61704		CITIZENSHIP USA

2. FULL NAME OF THIRD ASSIGNOR, IF ANY Ye Tian	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 25 Swan Lake, Bloomington, IL 61704		CITIZENSHIP PR China

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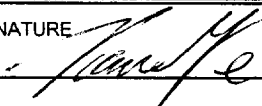
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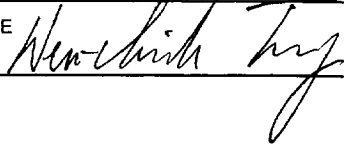
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2. FULL NAME OF THIRD ASSIGNOR, IF ANY Ye Tian	ASSIGNOR'S SIGNATURE 	DATE 11/22/02
ADDRESS 25 Swan Lake, Bloomington, IL 61704		CITIZENSHIP PR China

1. WITNESS NAME WEN-CHIEH TANG	WITNESS SIGNATURE 	DATE 11/22/02
ADDRESS 603 S. WEST ST. APT. D-11 PONTIAC, IL 61764		CITIZENSHIP TAIWAN

2. WITNESS NAME LIFENG WANG	WITNESS SIGNATURE 	DATE 11/22/02
ADDRESS 1508 Killarney G. Normal IL 61761		CITIZENSHIP PRC