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U.S. Department of Commerce
Patent and Trademark Office
Customer No.: 58,982
Attorney Docket No. 08350.6181-00000

07-03-2007

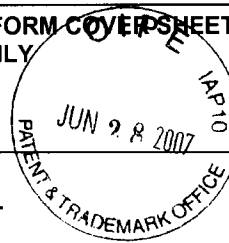


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To the Director of
Please record this

reof.

Mail Stop Assignment Recordation Services



1. Name of conveying party(ies): 1. Paul Alan ROUSSEAU 2. Justin Douglas SPEICHINGER		2. Name and address of receiving party(ies): Name: Caterpillar S.A.R.L.	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address: c/o Caterpillar Overseas S.A.	
3. Nature of conveyance:		Street Address: 76, Route de Frontenex 1211 Geneva, Switzerland	
<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	City:	
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State:	Zip Code:
<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. April 16, 2007 2. April 23, 2007			

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(s): 11/790,309 Additional numbers attached?	B. Patent Number(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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4. Name and address of party to whom correspondence concerning document should be mailed: Name: Matthew D. Aichele 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	5. Total number of applications and patents involved: One (1). 6. 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
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: Matthew D Aichele
Matthew D Aichele
Reg. No. 57282

June 28, 2007
Date

Total number of pages including cover sheet, attachments and documents: 4

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U.S. PTO

11/790309
04/25/2007

05-11-2007



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U.S. Department of Commerce
Patent and Trademark Office
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Attorney Docket No. 08350.6181-00001To the Director of the U.S. Patent and Trademark Office:
Please record the attached original documents or copy thereof.

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Name: Matthew D. Alchele		6. 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		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:

Matthew D Alchele
Reg. No. 57282

04/26/2007 11:11:21 00000001 11792333

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April 25, 2007 10:00:00

Date

Total number of pages including cover sheet, attachments and documents: 5

5/2006

SOLE/JOINT INVENTION

(Worldwide Rights)

Attorney Docket No. 08350.6181-00000

Customer No. 58,982

Client Ref. No. 06-181

ASSIGNMENT

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

INTEGRATED HYSTAT HAVING SINGLE INPUT AND INDEPENDENT OUTPUT

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

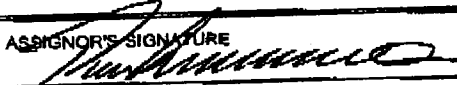
WHEREAS, Caterpillar S.A.R.L. (duly organized and existing under the laws of Switzerland) c/o Caterpillar Overseas S.A., 76, Route de Frontenex, 1211 Geneva, Switzerland (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all 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, 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.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Paul Alan ROUSSEAU	ASSIGNOR'S SIGNATURE 	DATE 4/16/2007
ADDRESS 8317 Stryker Court, Raleigh, North Carolina 27615		CITIZENSHIP Canada

SOLE/JOINT INVENTION

(Worldwide Rights)

Attorney Docket No. 08350.6181-00000

Customer No. 58,982

Client Ref. No. 06-181

1. WITNESS NAME <i>ALLAN S. THUNES</i>	WITNESS SIGNATURE <i>Allan S. Thunes</i>	DATE <i>16 APR 07</i>
ADDRESS <i>726 HILLSFORD LAKE AVE, NC 27502</i>		CITIZENSHIP <i>USA</i>

2. WITNESS NAME <i>MATTHEW C. FULL</i>	WITNESS SIGNATURE <i>Matthew C. Full</i>	DATE <i>16 APR 07</i>
ADDRESS <i>1257 PEARLEMAN TEAGUE RD. SILER CITY, NC 27344</i>		CITIZENSHIP <i>USA</i>

2. FULL NAME OF SECOND ASSIGNOR, IF ANY <i>Justin Douglas SPEICHINGER</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>701 Creek Haven Drive, Holly Springs, North Carolina 27540</i>		CITIZENSHIP <i>U.S.</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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Attorney Docket No. 08350.6181-00000
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Client Ref. No. 06-181

ASSIGNMENT

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

INTEGRATED HYSTAT HAVING SINGLE INPUT AND INDEPENDENT OUTPUT

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

WHEREAS, Caterpillar S.A.R.L. (duly organized and existing under the laws of Switzerland) c/o Caterpillar Overseas S.A., 76, Route de Frontenex, 1211 Geneva, Switzerland (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, 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.

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ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Justin Douglas SPEICHINGER	ASSIGNOR'S SIGNATURE <i>Justin Douglas Speichinger</i>	DATE 4-23-2007
ADDRESS 701 Creek Haven Drive, Holly Springs, North Carolina 27540		CITIZENSHIP U.S.

1. WITNESS NAME JOEL MEEHAN	WITNESS SIGNATURE <i>Joel Meehan</i>	DATE 4/23/2007
ADDRESS 1243 Patrick Circle Apt. 8F Cary, NC 27511		CITIZENSHIP U.S.A.

2. WITNESS NAME Joella Meszaros	WITNESS SIGNATURE <i>Joella Meszaros</i>	DATE 4/23/07
ADDRESS 1985 Cranos Creek Rd Cameron, NC. 28326		CITIZENSHIP U.S.