

07-11-2007



EET

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 08350.7239-00000  
Customer No. 58,982

To the Director of the U.S. Patent

103425425

Please record the attached original documents or copy thereof.

Mail Stop Assignment Recordation Service

1. Names of conveying parties: A) Thomas Michael Sopko B) Jackson Wai		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: 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: A) June 29, 2007 B) June 29, 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: A) June 29, 2007 B) June 29, 2007		U.S. PTO	
A. Patent Application Number(s): 11/819935 06/29/2007		B. Patent Number(s):	
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		07/02/2007 CHNGUYEN2 00000130 11819935 04 FC:8521 40.00 OP	
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: Christopher P. Isaac		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: <u>Elizabeth M. Burke</u>		June 29, 2007	
Elizabeth M. Burke, Reg. No. 38,758			
Total number of pages including cover sheet, attachments and documents: 5			

5/2006

PATENT  
REEL: 019549 FRAME: 0827

## ASSIGNMENT

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

### SYSTEM AND METHOD FOR DYNAMIC FIELD WEAKENING

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

WHEREAS, Caterpillar Inc., a Delaware corporation 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, 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 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	ASSIGNOR'S SIGNATURE	DATE
Thomas Michael Sopko	<i>Thomas Michael Sopko</i>	06/29/2007
ADDRESS		CITIZENSHIP
302 White Oak Court, East Peoria, IL, 61611		USA

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 08350.7239-00000  
Client Ref. No. 07-239

1. WITNESS NAME Garrett Sprouse	WITNESS SIGNATURE <i>Garrett Sprouse</i>	DATE 6/29/07
ADDRESS 9119 N Timber Lane		
Peoria, Illinois 61615		
2. WITNESS NAME Sean Landers	WITNESS SIGNATURE <i>Sean C Landers</i>	DATE 6/29/07
ADDRESS 18901 N Pan Hana Ct		
Edelstein, IL 61526		

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jackson Wai	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 5912 North Cypress Drive #1209, Peoria, IL, 61615		CITIZENSHIP Singapore

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		

**ASSIGNMENT**

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

**SYSTEM AND METHOD FOR DYNAMIC FIELD WEAKENING**

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

WHEREAS, Caterpillar Inc., a Delaware corporation 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, 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 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;


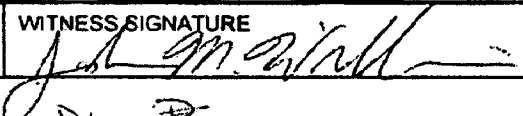
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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	ASSIGNOR'S SIGNATURE	DATE
Thomas Michael Sopko		
ADDRESS		CITIZENSHIP
302 White Oak Court, East Peoria, IL, 61611		USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jackson Wai	ASSIGNOR'S SIGNATURE 	DATE 6/23/07
ADDRESS 5912 North Cypress Drive #1209, Peoria, IL, 61615		CITIZENSHIP Singapore

1. WITNESS NAME Ben Gottmoller	WITNESS SIGNATURE 	DATE 6/29/07
ADDRESS 8638 N. Picture Ridge		
Peoria, IL 61615		
2. WITNESS NAME Josh Williams	WITNESS SIGNATURE 	DATE Jun 27, 2007
ADDRESS 4733 W Pendergreen Pl		
Peoria IL 61615		