

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Brian Lister</td> <td>05/30/2012</td> </tr> <tr> <td>Christopher Rhoades</td> <td>05/31/2012</td> </tr> <tr> <td>Michael Beyer</td> <td>05/30/2012</td> </tr> <tr> <td>Michael Barngrover</td> <td>05/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Brian Lister	05/30/2012	Christopher Rhoades	05/31/2012	Michael Beyer	05/30/2012	Michael Barngrover	05/31/2012
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Brian Lister	05/30/2012										
Christopher Rhoades	05/31/2012										
Michael Beyer	05/30/2012										
Michael Barngrover	05/31/2012										
RECEIVING PARTY DATA											
Name:	Caterpillar Inc.										
Street Address:	100 N.E. Adams										
City:	Peoria										
State/Country:	ILLINOIS										
Postal Code:	61629-6490										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13484632</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13484632						
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Application Number:	13484632										
CORRESPONDENCE DATA											
Fax Number:	(312)616-5700										
Phone:	(312) 616-5648										
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NAME OF SUBMITTER:	Elias P. Soupos										

CH \$40.00 13484632

Total Attachments: 5

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ASSIGNMENT

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

SYSTEM AND METHOD FOR MACHINE LOAD DETECTION

for which I/We will or have filed a patent application; and

WHEREAS, **CATERPILLAR INC.**, a corporation of Delaware whose post office address is 100 N. E. Adams, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for 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, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents 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 any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

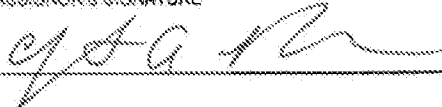
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (U.S. Application No. 13/484,632, filed May 31, 2012).

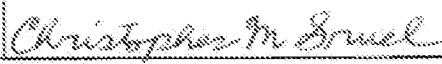
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

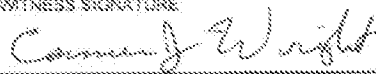
1. FULL NAME OF FIRST ASSIGNOR Brian Lister	ASSIGNOR'S SIGNATURE <i>Brian Lister</i>	DATE May 30, 2012
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Metamora IL 61548		

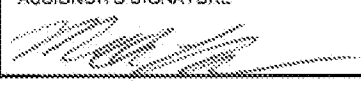
1. WITNESS NAME	WITNESS SIGNATURE	DATE
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Edwards IL 61528		

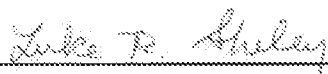
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Cameron J. Wright		5/31/2012
ADDRESS		CITIZENSHIP
608 W Forrest Hill Ave		USA
Peoria, IL 61604		

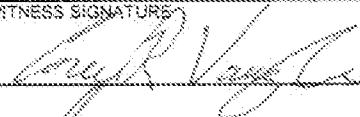
1. FULL NAME OF THIRD ASSIGNOR Michael Beyer	ASSIGNOR'S SIGNATURE <i>[Signature]</i>	DATE 5/31/12
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1. WITNESS NAME CARL MOISER	WITNESS SIGNATURE <i>[Signature]</i>	DATE 5/30/12
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1. WITNESS NAME Luke R. Sheley	WITNESS SIGNATURE 	DATE 5/31/2012
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2. WITNESS NAME Corey R. Vaughn	WITNESS SIGNATURE 	DATE 5/31/12
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