

PATENT ASSIGNMENT COVER SHEET

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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>RAYMOND U. ISADA</td> <td>11/11/2013</td> </tr> <tr> <td>CHIRANJEEVI MANGAMURI</td> <td>11/08/2013</td> </tr> <tr> <td>MIRZA PARVAIZ BAIG</td> <td>11/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	RAYMOND U. ISADA	11/11/2013	CHIRANJEEVI MANGAMURI	11/08/2013	MIRZA PARVAIZ BAIG	11/08/2013
Name	Execution Date								
RAYMOND U. ISADA	11/11/2013								
CHIRANJEEVI MANGAMURI	11/08/2013								
MIRZA PARVAIZ BAIG	11/08/2013								
RECEIVING PARTY DATA									
Name:	CATERPILLAR INC.								
Street Address:	100 NE ADAMS STREET								
City:	PEORIA								
State/Country:	ILLINOIS								
Postal Code:	61629-9510								
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>14103009</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14103009				
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Application Number:	14103009								
CORRESPONDENCE DATA									
Fax Number:	(309)675-1236								
Phone:	309-675-5140								
Email:	US_Docket_Clerk@cat.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	CATERPILLAR INC. INTELLECTUAL PROPERTY D								
Address Line 1:	100 NE ADAMS STREET								
Address Line 2:	AH9510								
Address Line 4:	PEORIA, ILLINOIS 61629-9510								
ATTORNEY DOCKET NUMBER:	13-1124								
NAME OF SUBMITTER:	MARY M. UMHOLTZ								
Signature:	/Mary M. Umholtz/								

Date:

12/11/2013

Total Attachments: 6

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ASSIGNMENT

WHEREAS we, the below named inventors, (hereinafter referred to as Assignors), have made an invention entitled:

SYSTEM AND METHOD FOR SEALING CATALYST WITHIN AFTERTREATMENT HOUSING

for which we will or have filed a patent application; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America (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;

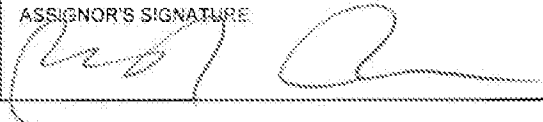
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all 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 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, 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;

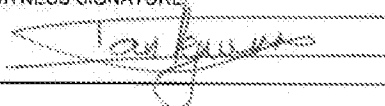
AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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 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, WE HEREBY authorize the attorneys/representatives that we have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, we have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Raymond U. Isada	ASSIGNOR'S SIGNATURE 	DATE 11 NOV 13
ADDRESS 4117 W. Stonewater Dr., Peoria, IL 61615		CITIZENSHIP US

1. WITNESS NAME Andrew Davis	WITNESS SIGNATURE 	DATE 11/11/13
ADDRESS 407 E. Forrest Hill Peoria, IL 61603		CITIZENSHIP USA

2. WITNESS NAME IAN AGUIRRE	WITNESS SIGNATURE 	DATE 11/11/13
ADDRESS 2707 W SOMERHENG CT PEORIA IL 61615		CITIZENSHIP USA

ASSIGNMENT

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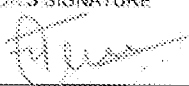
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all 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 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, 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;

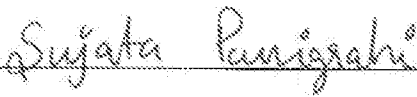
AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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 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, WE HEREBY authorize the attorneys/representatives that we have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, we have hereunto set our hands.

1. FULL NAME OF SECOND ASSIGNOR Chiranjeevi Mangamuri	ASSIGNOR'S SIGNATURE 	DATE 08 Nov 2013
ADDRESS 1506 W Covington ct, Apt # 1, Peoria IL 61614		CITIZENSHIP India

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Carl Rogers		11/8/13
ADDRESS		CITIZENSHIP
6303 E Glendale Ave		US
Chillicothe IL 61523		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
SUJATA PANIGRAHI		11/8/13
ADDRESS		CITIZENSHIP
12300 N. Brentfield dr, APT 106		INDIA
DUNLAP, IL, 61525		

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NOW THEREFORE, be it known that for 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 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 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;


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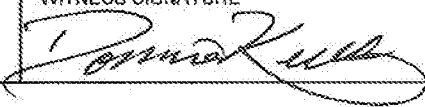
AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any 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 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, WE HEREBY authorize the attorneys/representatives that we have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

IN TESTIMONY WHEREOF, we have hereunto set our hands.

1. FULL NAME OF THIRD ASSIGNOR Mirza Parvaiz Baig	ASSIGNOR'S SIGNATURE 	DATE 11/8/13
ADDRESS 117 Taylor Len Dr., LaGrange, GA 30240		CITIZENSHIP Pakistan

1. WITNESS NAME Joseph Storey	WITNESS SIGNATURE 	DATE 11-08-2013
ADDRESS 163 Murphy Rd Newnan, Ga. 30263		CITIZENSHIP USA

2. WITNESS NAME DONNIE KEITH	WITNESS SIGNATURE 	DATE 08Nov13
ADDRESS 9930 ALLIANCE PLACE CORDOVA, TN 38016		CITIZENSHIP USA