

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4147146

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YONG YI	11/14/2016
BOGDAN BALEA	11/14/2016
ERIC PAUL SPAETH	11/14/2016
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 N.E. ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629-9510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15353960
CORRESPONDENCE DATA	
Fax Number:	(309)675-1236
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	3096362223
Email:	US_Docket_Clerk@cat.com
Correspondent Name:	CATERPILLAR INC./SMITHAMUNDSEN LLC INTEL
Address Line 1:	100 N.E. ADAMS STREET
Address Line 2:	AH 9510
Address Line 4:	PEORIA, ILLINOIS 61629-9510
ATTORNEY DOCKET NUMBER:	16-1506
NAME OF SUBMITTER:	KELLY J. SMITH
SIGNATURE:	/Kelly J. Smith/
DATE SIGNED:	11/17/2016
Total Attachments: 4	
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ASSIGNMENT

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

COMPACT DESIGN EXHAUST AFTERTREATMENT SYSTEM WITH NOX SENSOR

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

WHEREAS, Caterpillar Inc., a corporation of Illinois whose post office address is 100 NE Adams Street, Peoria, IL 61629 (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;

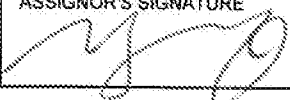
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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 (US Application No. 15353960, filed 11-17-2016).

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Yong Yi	ASSIGNOR'S SIGNATURE 	DATE 11/14/2016
ADDRESS 2010 W. Miners Dr., Dunlap, IL 61525		CITIZENSHIP US

1. WITNESS NAME <i>Xiaohai Gong</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/14/2016</i>
ADDRESS <i>11008 N. Seneca Blvd. Danys. IL 61525</i>		CITIZENSHIP <i>China</i>

2. WITNESS NAME <i>Paul W. Park</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>11/14/2016</i>
ADDRESS <i>2807 W. Woodlawn Ct. Peoria IL 61615</i>		CITIZENSHIP <i>USA</i>

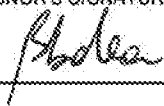
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Bogdan BALEA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2022 W Forestglen Dr., Peoria, IL 61615		CITIZENSHIP US

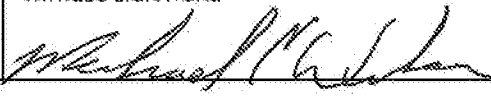
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ADDRESS		CITIZENSHIP


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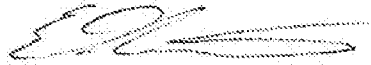
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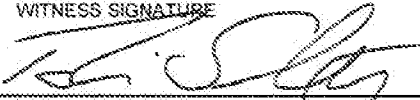
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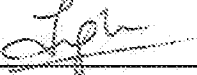
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Bogdan BALEA	ASSIGNOR'S SIGNATURE 	DATE 11/14/2016
ADDRESS 2022 W Forestglen Dr., Peoria, IL 61615	CITIZENSHIP US	

1. WITNESS NAME Michael C. WILSON	WITNESS SIGNATURE 	DATE 11/14/2016
ADDRESS 375 Bandy Ave, Galesburg, IL 61401	CITIZENSHIP US	

2. WITNESS NAME Josh DAVIS	WITNESS SIGNATURE 	DATE 11/14/2016
ADDRESS 1421 Harborway Dr., Chillicothe, IL 61523	CITIZENSHIP US	

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Eric Paul SPAETH	ASSIGNOR'S SIGNATURE 	DATE 11/14/16
ADDRESS 19 Cardinal Crest, Pekin, IL 61554		CITIZENSHIP US

1. WITNESS NAME BRIAN SCHWARTZ	WITNESS SIGNATURE 	DATE 11/14/16
ADDRESS 113 NIEMANN DRIVE, EAST PEORIA, IL 61611		CITIZENSHIP US

2. WITNESS NAME JAGAN PAGIDRA	WITNESS SIGNATURE 	DATE 11/14/16
ADDRESS 2924 W. PLAYDEN DR, PEORIA, IL, 61615		CITIZENSHIP INDIA