

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3726072

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NICOLAS FRANÇOIS-XAVIER CHRISTOPHE VANDAPEL	01/20/2016
MICHAEL KARL WILHELM HAPPOLD	01/22/2016
MEENAL PATEL	01/22/2016
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 NE ADAMS STREET
Internal Address:	AH9510
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15015236
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. INTELLECTUAL PROPERTY D
Address Line 1:	100 N.E. ADAMS STREET
Address Line 2:	AH 9510
Address Line 4:	PEORIA, ILLINOIS 61629-9510
ATTORNEY DOCKET NUMBER:	15-2094
NAME OF SUBMITTER:	AMANDA M. RODRIGUEZ
SIGNATURE:	/Amanda M. Rodriguez/
DATE SIGNED:	02/04/2016
Total Attachments: 6	
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ASSIGNMENT

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

DUST SUPPRESSION METHOD AND SYSTEM FOR AN AUTONOMOUS DRILLING MACHINE

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 NE Adams Street, Peoria, IL 61629, USA** (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;

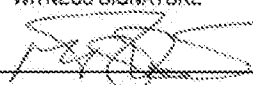
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

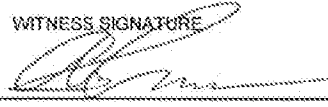
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 (_____ Application No. _____, filed _____).

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Nicolas François-Xavier Christophe Vandapel	ASSIGNOR'S SIGNATURE <i>Nicolas Vandapel</i>	DATE <i>1/20/2016</i>
ADDRESS : 307 field club ridge road, Pittsburgh PA 15238, USA		CITIZENSHIP USA & FR

1. WITNESS NAME <i>Michael Taylor</i>	WITNESS SIGNATURE 	DATE <i>1/20/16</i>
ADDRESS <i>111 Blue Heron Drive</i>		CITIZENSHIP <i>USA</i>
<i>Wixford PA 15090</i>		

2. WITNESS NAME <i>Anthony Cascone</i>	WITNESS SIGNATURE 	DATE <i>1/20/2016</i>
ADDRESS <i>2 David St</i>		CITIZENSHIP <i>USA</i>
<i>Pittsburgh, PA 15201</i>		

2. FULL NAME OF SOLE OR SECOND ASSIGNOR Michael Karl Wilhelm Happold	ASSIGNOR'S SIGNATURE	DATE
ADDRESS :		CITIZENSHIP
217 Hunt Rd, Fox Chapel, PA 15215		USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. _____
Client Ref. No. **15-2094**

3. FULL NAME OF SOLE OR THIRD ASSIGNOR Meenal Patel	ASSIGNOR'S SIGNATURE	DATE
ADDRESS :		CITIZENSHIP
2130 Wightman St., Apt 19 Pittsburgh, PA 15217		USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

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DUST SUPPRESSION METHOD AND SYSTEM FOR AN AUTONOMOUS DRILLING MACHINE

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 NE Adams Street, Peoria, IL 61629, USA** (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;

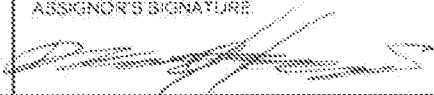
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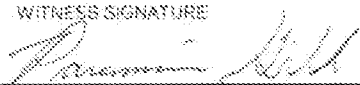
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

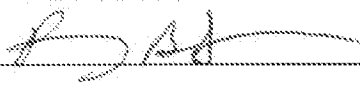
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Nicolas François-Xavier Christophe Vandapel	ASSIGNOR'S SIGNATURE	DATE
ADDRESS : 307 field club ridge road, Pittsburgh PA 15238, USA		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

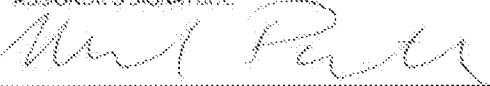
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SOLE OR SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Michael Karl Wilhelm Happold		1-22-2016
ADDRESS		CITIZENSHIP
217 Hunt Rd, Fox Chapel, PA 15215		USA

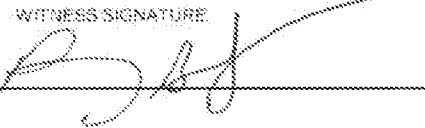
1. WITNESS NAME	WITNESS SIGNATURE	DATE
PARAMVIR SINGH GILL		01/22/2016
ADDRESS		CITIZENSHIP
785 NORWEGIAN SPRUCE DR, MARS, PA 16046		USA

2. WITNESS NAME	WITNESS SIGNATURE	DATE
PARAG BATAMEA		01/22/16
ADDRESS		CITIZENSHIP
804 WELLINGTON DR, SEVEN FIELDS, PA 16046		USA

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. _____
Client Ref. No. 15-2094

3. FULL NAME OF SOLE OR THIRD ASSIGNOR Meenal Patel	ASSIGNOR'S SIGNATURE 	DATE 1-22-2016
ADDRESS 2130 Wightman St., Apt 19 Pittsburgh, PA 15217		CITIZENSHIP USA

1. WITNESS NAME PARAMVIR SINGH GILL	WITNESS SIGNATURE 	DATE 01/22/2016
ADDRESS 785 NORWEGIAN SPRUCE DR, MARS, PA 16046		CITIZENSHIP USA

2. WITNESS NAME PARAG BATAVIA	WITNESS SIGNATURE 	DATE 1/22/16
ADDRESS 801 WELLINGTON DR, SEVER FIELDS, PA 16046		CITIZENSHIP USA