## 502892761 07/15/2014

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL RUSSELL FRIEND	07/14/2014

## **RECEIVING PARTY DATA**

Name:	CATERPILLAR INC.	
Street Address:	100 N.E. ADAMS STREET	
Internal Address:	INTELLECTUAL PROPERTY DEPARTMENT	
City:	PEORIA	
State/Country:	ILLINOIS	
Postal Code:	61629-9510	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14331989

#### **CORRESPONDENCE DATA**

**Fax Number:** (202)408-4400

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.

**Phone:** 202-408-4000

**Email:** regional-desk@finnegan.com

Correspondent Name: CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.

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Address Line 4: WASHINGTON, D.C. 20001-4413

ATTORNEY DOCKET NUMBER:	08350.1350-00000
NAME OF SUBMITTER:	CHETAN R. BANSAL
SIGNATURE:	/Chetan Bansal/
DATE SIGNED:	07/15/2014

**Total Attachments: 2** 

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PATENT 502892761 REEL: 033316 FRAME: 0934

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.1350-00000 Client Ref. No. 14-0636

## **ASSIGNMENT**

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

## DRILL POSITIONING SYSTEM UTILIZING DRILL OPERATION STATE

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

WHEREAS, CATERPILLAR INC., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510 (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, as Assignor, 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 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 extensions, renewals, and reissues thereof; and I 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 HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I 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 paths 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 HEREBY authorize Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (  $\frac{\text{U-S-}}{\text{Application No.}}$  Application No.  $\frac{14/331,989}{\text{July 15, 2014}}$ , filed July 15, 2014).

IN TESTIMONY WHEREOF, I have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR  Paul Russell FRIEND	ASSIGNOR'S SIGNATURE	DATE 7/14/2014
ACDRESS 718 N Oregon Ave, Morton, IL 61550		CITIZENSHIP USA

Page 1 of 2

PATENT REEL: 033316 FRAME: 0935

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.1350-00000 Client Ref. No. 14-0636

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