

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5001669

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRADLEY BERGERHOUSE	06/04/2018
LILIANA OLARU	06/04/2018
ALBERT KULICZ	06/07/2018
JOSHUA D. REED	05/31/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR INC.
<b>Street Address:</b>	510 LAKE COOK ROAD
<b>Internal Address:</b>	SUITE 100
<b>City:</b>	DEERFIELD
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16005768
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	3096362223
<b>Email:</b>	US_Docket_Clerk@cat.com
<b>Correspondent Name:</b>	CATERPILLAR INC. INTELLECTUAL PROPERTY D
<b>Address Line 1:</b>	100 N.E. ADAMS STREET
<b>Address Line 2:</b>	AH 9510
<b>Address Line 4:</b>	PEORIA, ILLINOIS 61629-9510
<b>ATTORNEY DOCKET NUMBER:</b>	17-1620
<b>NAME OF SUBMITTER:</b>	HEATHER D. CLARK
<b>SIGNATURE:</b>	/Heather D. Clark/
<b>DATE SIGNED:</b>	06/12/2018
<b>Total Attachments: 6</b>	

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**ASSIGNMENT**

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

**PROXIMITY DETECTION USING A SHORT RANGE WIRELESS COMMUNICATION DEVICE**

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 510 Lake Cook Road, Suite 100, Deerfield IL 60015 US (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;

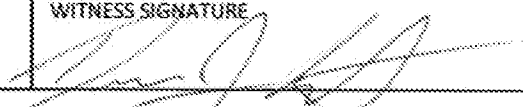
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

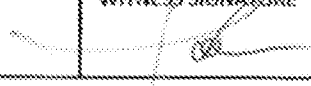
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Bradley BERGERHOUSE		June 9, 2017
ADDRESS 2401 W. Alta Rd., Apt. 2508, Peoria, IL 61615-4606 US		CITIZENSHIP USA

1. WITNESS NAME DEREK LIGHT	WITNESS SIGNATURE 	DATE 6/4/18
ADDRESS 1520 Kingsbury Rd, Waukegan, IL 61571		CITIZENSHIP USA

2. WITNESS NAME Robby Mite	WITNESS SIGNATURE 	DATE 6/4/18
ADDRESS 100 WALNUT ST PEORIA ILLINOIS 61602		CITIZENSHIP ECUADOR

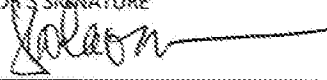
2. FULL NAME OF SECOND ASSIGNOR Liliana OLARU	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2102 W Forestglen Dr., Peoria, IL 61615-4904 US		CITIZENSHIP

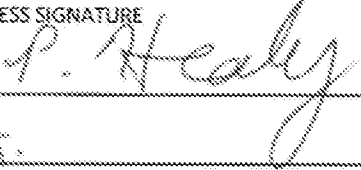
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ADDRESS		CITIZENSHIP

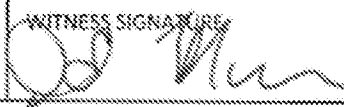
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Liliana OLARU		6/4/2018
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2102 W Forestglen Dr., Peoria, IL 61615-4904 US		

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Phillip Healy		6-6-2018
ADDRESS		CITIZENSHIP
215 N. Washington St. 61548 Metamora, IL		U.S.A.

2. WITNESS NAME	WITNESS SIGNATURE	DATE
David Munson		10-10-2018
ADDRESS		CITIZENSHIP
316 S Edgewood Farm #E Chillicothe, IL 61503		US

3. FULL NAME OF THIRD ASSIGNOR Albert KULICZ	ASSIGNOR'S SIGNATURE <i>Albert Kulicz</i>	DATE 6/7/2018
ADDRESS 16005 Pine Dr., Tinley Park, IL 60477-6313 US		CITIZENSHIP USA

1. WITNESS NAME <i>Mike Peterson</i>	WITNESS SIGNATURE <i>Mike Peterson</i>	DATE 6/7/2018
ADDRESS <i>Route 29 + Rench Road, Bldg AC, Mossville, IL 61552, USA</i>		CITIZENSHIP USA

2. WITNESS NAME <i>Scarlet M. Daoud</i>	WITNESS SIGNATURE <i>Scarlet M. Daoud</i>	DATE 6/7/2018
ADDRESS <i>Route 29 &amp; Rench Rd. Bldg AC, Mossville IL 61552</i>		CITIZENSHIP USA

4. FULL NAME OF FOURTH ASSIGNOR Joshua D. REED	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 696 N. Academy St., Galesburg, IL 61401 US		CITIZENSHIP

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

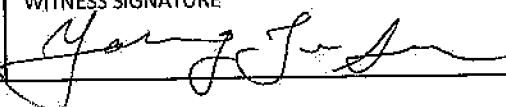
3. FULL NAME OF THIRD ASSIGNOR Albert KULICZ	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 16005 Pine Dr., Tinley Park, IL 60477-6313 US		CITIZENSHIP

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR Joshua D. REED	ASSIGNOR'S SIGNATURE <i>Joshua Reed</i>	DATE 5-31-18
ADDRESS 696 N. Academy St., Galesburg, IL 61401 US		CITIZENSHIP USA

1. WITNESS NAME <i>LONG TLE</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE 5/31/2018
ADDRESS <i>9207 W. BRIDGEPORT WAY, HANNA CITY, IL 61536</i>		CITIZENSHIP USA

2. WITNESS NAME Young Jun Seo	WITNESS SIGNATURE 	DATE 5/31/2018
ADDRESS 2601 W Sesame St. Dunlap, IL 61525		CITIZENSHIP USA