## 502276026 03/18/2013

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Brad Kenneth BORLAND	03/14/2013
Paul Russell FRIEND	03/14/2013
Matthew CHACKO	03/14/2013

## **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:	13837905

# CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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

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ATTORNEY DOCKET NUMBER:	08350.1030-00000
NAME OF SUBMITTER:	Chetan R. Bansal

### Total Attachments: 4

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> PATENT REEL: 030033 FRAME: 0885

OF \$40.00 1383/905

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.1030-00000 Client Ref. No. 12-0941

## **ASSIGNMENT**

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

#### TRAFFIC ANALYSIS SYSTEM UTILIZING POSITION BASED AWARENESS

for which We 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, 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;

e country, application number, and officia	gnee or the attorneys/representatives of Ass I filing date (Application No	. <del></del>
IN TESTIMONY WHEREOF, We h	ave hereunto set our hands.  ASSIGNOR'S SIGNATURE	DATE
Brad Kenneth BORLAND	Brod Borland	3/14/13
5602 N Biltmore Ave, Peoria, IL 61614		USA

JOINT INVENTION (Worldwide Rights) Attorney Docket No. **08350.1030-00000** Client Ref. No. **12-0941** 

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.1036-00000 Client Ref. No. 12-0941

3 FULL NAME OF THIRD ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
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