

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hamish John Carpenter</td> <td>02/07/2012</td> </tr> <tr> <td>Richard Paul Piekutowski</td> <td>06/22/2012</td> </tr> <tr> <td>Mark Nichols</td> <td>06/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hamish John Carpenter	02/07/2012	Richard Paul Piekutowski	06/22/2012	Mark Nichols	06/21/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Caterpillar Trimble Control Technologies LLC</td> </tr> <tr> <td>Street Address:</td> <td>5475 Kellenburger Road</td> </tr> <tr> <td>City:</td> <td>Dayton</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>45424</td> </tr> </table>		Name:	Caterpillar Trimble Control Technologies LLC	Street Address:	5475 Kellenburger Road	City:	Dayton	State/Country:	OHIO	Postal Code:	45424
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PROPERTY NUMBERS Total: 1											
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Application Number:	13527095										
CORRESPONDENCE DATA											
Fax Number:	(937)449-6405										
Phone:	937-449-6400										
Email:	theresa.oldfield@dinsmore.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	DINSMORE & SHOHL LLP										
Address Line 1:	FIFTH THIRD CENTER, ONE SOUTH MAIN STREE										
Address Line 2:	SUITE 1300										
Address Line 4:	DAYTON, OHIO 45402-2023										
ATTORNEY DOCKET NUMBER:	TRB 0034 PA/41128.87										
NAME OF SUBMITTER:	James F. Gottman										
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif											

OP \$40.00 13527095

ASSIGNMENT

WHEREAS, we, **Hamish John Carpenter** of Christchurch, New Zealand, **Richard Paul Piekutowski** of Huber Heights, Ohio and **Mark Nichols** of Christchurch, New Zealand, invented certain new and useful METHOD AND SYSTEM FOR CONTROLLING AN EXCAVATOR for which I executed an application for a United States Patent and for which said application for United States Patent was filed on June 19, 2012, under

Patent Application Serial No. 13/527,095

Attorney Docket No. TRB 0034 PA/41128.87;

WHEREAS, I hereby authorize and request the attorney(s) and/or agent(s) empowered to act on my behalf in the aforementioned application, to insert above the filing date and application number of said application, when known;

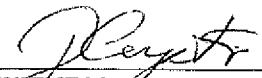
AND WHEREAS, **Caterpillar Trimble Control Technologies LLC**, a limited liability company of the State of Delaware, with a place of business at 5475 Kellenburger Road, Dayton, Ohio 45424, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

Date: 2-7-2012



HAMISH JOHN CARPENTER



WITNESS

2-7-2012
Date

Date: 6/22/12

Richard Paul Piekutowski
RICHARD PAUL PIEKUTOWSKI

State of Ohio)
County of Montgomery) ss

On this 22 day of June, 2012 before me a Notary Public in and for the above County and State, personally appeared the above named Richard Paul Piekutowski personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.



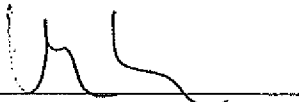
TERESA JOHNSON, Notary Public
In and for the State of Ohio
My Commission Expires Oct. 3, 2014

Teresa Johnson
Notary Public
Teresa Johnson

Date: 21st June 2012



MARK NICHOLS



WITNESS
21 June 2012
Date