

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>Toby A. Frelich</td> <td>11/07/2012</td> </tr> <tr> <td>Steven E. Hourscht</td> <td>11/08/2012</td> </tr> <tr> <td>Rick L. Mings</td> <td>11/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Toby A. Frelich	11/07/2012	Steven E. Hourscht	11/08/2012	Rick L. Mings	11/07/2012
Name	Execution Date								
Toby A. Frelich	11/07/2012								
Steven E. Hourscht	11/08/2012								
Rick L. Mings	11/07/2012								
RECEIVING PARTY DATA									
Name:	Caterpillar Paving Products Inc.								
Street Address:	9401 85th Avenue North								
City:	Brooklyn Park								
State/Country:	MINNESOTA								
Postal Code:	55445								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13673367</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13673367				
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Application Number:	13673367								
CORRESPONDENCE DATA									
Fax Number:	3129779959								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	312-977-9903								
Email:	mboinski@millermatthiashull.com								
Correspondent Name:	Caterpillar/ Miller, Matthias & Hull LLP								
Address Line 1:	One North Franklin Street								
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ATTORNEY DOCKET NUMBER:	50100/12-0087								
NAME OF SUBMITTER:	Scott E. Baxendale								
<p>Total Attachments: 4</p> <p>source=12-0087_Executed_Assignment#page1.tif</p> <p>source=12-0087_Executed_Assignment#page2.tif</p> <p>source=12-0087_Executed_Assignment#page3.tif</p> <p>source=12-0087_Executed_Assignment#page4.tif</p>									

OP \$40.00 13673367

ASSIGNMENT

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

TRACKING OF MACHINE SYSTEM MOVEMENTS IN PAVING MACHINE

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

WHEREAS, Caterpillar Paving Products Inc., an Oklahoma corporation having a place of business at Brooklyn Park, State of Minnesota, United States of America (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;

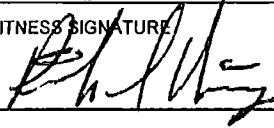
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;


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;

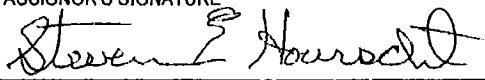
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application filed herewith.


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

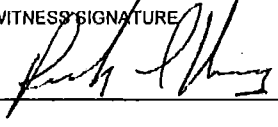
1. FULL NAME SOLE OR FIRST ASSIGNOR Toby A Frelich	ASSIGNOR'S SIGNATURE 	DATE 11/7/2012
ADDRESS 3171 Kahlen Ave NE, Saint Michael, MN 55376		CITIZENSHIP US

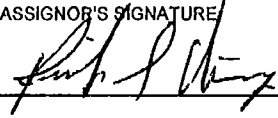
1. WITNESS NAME Rick & Mings	WITNESS SIGNATURE 	DATE 11-7-2012
ADDRESS 3527 142 Ln NW Andover, MN 55304		CITIZENSHIP US

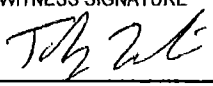
2. WITNESS NAME Ryan Thiesse	WITNESS SIGNATURE 	DATE 11-7-12
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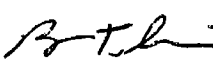
2. FULL NAME SOLE OR FIRST ASSIGNOR Steven E. Hourscht	ASSIGNOR'S SIGNATURE 	DATE 11/8/12
ADDRESS 23058 185 th St. N.W., Big Lake, MN 55309		CITIZENSHIP US

1. WITNESS NAME Toby Frellich	WITNESS SIGNATURE 	DATE 11/8/12
ADDRESS 3171 Kahlen Ave NE Saint Michael, MN 55376		CITIZENSHIP US

2. WITNESS NAME Kicky L Mings	WITNESS SIGNATURE 	DATE 11/8/12
ADDRESS 3527 142 Ln NW Andover MN 55304		CITIZENSHIP US

3. FULL NAME SOLE OR FIRST ASSIGNOR Rick L. Mings	ASSIGNOR'S SIGNATURE 	DATE 11-7-2012
ADDRESS 3527 142 Ln NW, Andover, MN 55304		CITIZENSHIP US

1. WITNESS NAME Toby Frellich	WITNESS SIGNATURE 	DATE 11/7/2012
ADDRESS 3171 Kahlen Ave NE Saint Michael, MN 55376		CITIZENSHIP USA

2. WITNESS NAME Ryan Thiesse	WITNESS SIGNATURE 	DATE 11-7-12
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