

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT3640824

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CATERPILLAR INC.	11/18/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR GLOBAL MINING LLC
<b>Street Address:</b>	6744 S. HOWELL AVE.
<b>Internal Address:</b>	P.O. BOX 267
<b>City:</b>	OAK CREEK
<b>State/Country:</b>	WISCONSIN
<b>Postal Code:</b>	53154
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14925681
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<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>	(312) 616-5600
<b>Email:</b>	assignments@leydig.com
<b>Correspondent Name:</b>	J. KARL GROSS
<b>Address Line 1:</b>	LEYDIG, VOIT & MAYER, LTD.
<b>Address Line 2:</b>	180 NORTH STETSON AVE., SUITE 4900
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601-6731
<b>ATTORNEY DOCKET NUMBER:</b>	721460 (15-0965)
<b>NAME OF SUBMITTER:</b>	J. KARL GROSS
<b>SIGNATURE:</b>	/J. Karl Gross/
<b>DATE SIGNED:</b>	12/03/2015
<b>Total Attachments: 1</b>	
source=Executed Assignment-2nd#page1.tif	

**ASSIGNMENT**

WHEREAS, Caterpillar Inc., a Delaware corporation whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignor), owns a certain invention entitled:

**CONTROL SYSTEM FOR MINING MACHINE**

and for which invention an application for patent was executed and on **October 28, 2015**, and assigned application number **14/925,681** (the invention and application hereinafter collectively referred to as Patent Property); and

WHEREAS, Caterpillar Global Mining LLC, a Delaware corporation whose post office address is 6744 S. Howell Ave., P.O. Box 267, Oak Creek, WI 53154 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in, to, and under the Patent Property.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to the Assignee and the Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the Patent Property including 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 Assignor hereby authorizes and requests 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;

Assignor covenants that it has the full right to convey the interest assigned by this Assignment, and that Assignor will not execute any writing or do any act conflicting with the terms of this Assignment and that Assignor will, upon request and at Assignee's expense, execute such additional documents and do such additional acts as may be necessary to perfect the Assignee's enjoyment of this Assignment; and

IN WITNESS WHEREOF, Assignor has caused one of its duly authorized officers to hereunder set his/her hand on the date shown below.

Date November 18, 2015

[Signature]  
Name: Joni J. Funk  
Title: Assistant Secretary  
Officer or Authorized Representative of Assignor

Date November 18, 2015

[Signature]  
Witness:

Date November 18, 2015

[Signature]  
Witness: