502883766 07/09/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2930364

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| DAVID T. BIENFANG | 06/30/2014 |
| GURBACHAN S. BUMRAW | 06/30/2014 |
| CARL D. GILMORE | 06/30/2014 |
| PHILIP R. STRYDOM | 07/01/2014 |
| CHRISTOPHER R. WANASEK | 06/30/2014 |
| JEANNE YAUNKE | 07/08/2014 |

RECEIVING PARTY DATA

| Name: | CATERPILLAR GLOBAL MINING LLC |
|-----------------|-------------------------------|
| Street Address: | 6744 SOUTH HOWELL AVENUE |
| City: | OAK CREEK |
| State/Country: | WISCONSIN |
| Postal Code: | 53145 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14325947 |

CORRESPONDENCE DATA

Fax Number: (202)672-5399

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.

Phone: 414-271-2400

IPdocketing@foley.com, mmathes@foley.com Email:

Correspondent Name: JOHN M. LAZARUS

Address Line 1: 3000 K STREET N.W., SUITE 600

Address Line 2: **FOLEY & LARDNER LLP**

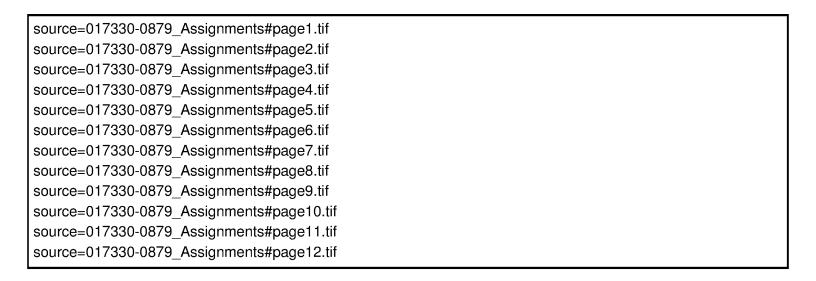
Address Line 4: WASHINGTON, D.C. 20007-5109

| ATTORNEY DOCKET NUMBER: | 017330-0879 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | JOHN M. LAZARUS |
| SIGNATURE: | /John M. Lazarus/ |
| DATE SIGNED: | 07/09/2014 |
| | |

Total Attachments: 12

REEL: 033268 FRAME: 0722 502883766

PATENT



PATENT REEL: 033268 FRAME: 0723

ASSIGNMENT

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

THRUST RAIL AND SWING GEAR ASSEMBLY FOR A MINING VEHICLE

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

WHEREAS, Caterpillar Global Mining LLC, a corporation of United States of America whose post office address is 6744 South Howell Avenue, Oak Creek, Wisconsin 53145 (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 Ass parentheses the country, application numb filed | signee or the attorneys/representatives of er, and official filing date (<u>しかい</u> | of Assignee to insert here in 14 Application No. 6 17 330 -087 |
|--|--|--|
| IN TESTIMONY WHEREOF, I/We | have hereunto set our hands. | |
| 1 FIRE NAME OF ASSIGNOR | ASSIGNOR'S SIGNATURE | DATE & |

| 1. FULL NAME OF ASSIGNOR | ASSIGNOR'S SIGNATURE | DATE |
|---|----------------------|--------------------|
| David T. Bienfang | 77.7 | G/30/20x |
| ADDRESS W338 S8805 County Road E, Mukwonago, Wisconsin 53149 | | CITIZENSHIP USA |
| | | |

| 1. WITNESS NAME | WITHESS SIGNATURE | DATE |
|-------------------------------|-------------------|--------------------|
| NATALIE J. BANACH | Matali More | 6.30.2014 |
| ADDRESS 3370 EAST WOODVIEW | AVENUE | CITIZENSHIP USA |
| | 3154 | |
| | | |
| | | , |
| 2. WITNESS NAME | WITNESS SIGNATURE | DATE |
| | ~ 1 .0 0 | 6/34/2014 |
| PATRICK J DIAMOND | DA AND - A | 6/34/2014 |

ASSIGNMENT

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

THRUST RAIL AND SWING GEAR ASSEMBLY FOR A MINING VEHICLE

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AND, I/WE HEREBY coveriant 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 Assignee parentheses the country, application number, an filed | d official filing date (| of Assignee to insert here in, Application No, |
|---|--------------------------|--|
| 1. FULL NAME OF ASSIGNOR Gurbachan S. Bumraw | ASSIGNATORE STANDARDE ST | DATE 6/30/2014 |
| ADDRESS 9247 South 54 th Street, Franklin, Wisco | nsin 53132 | стізенені Сапаda |
| | | |

Page 3 of 12 4842-9078-8891.1

| 1. WITHESS NAME | WITNESS SIGNATURE | DATE |
|-----------------------|---------------------|-------------|
| ADDRESS | | CITIZENSHIP |
| | | |
| 2. WITNESS NAME | WITNESS SIGNATURE | DATE |
| a. vertices of second | Servedo digavi este | 6743 C |
| ADDRESS | | CITIZENSHIP |
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| parentheses the country, application number filed). | signee or the altorneys/representatives of Assignation and official filing date (Applic | cation No |
|---|--|--------------------|
| IN TESTIMONY WHEREOF, I/We | have hereunto set our hands. | |
| 1. FULL NAME OF ASSIGNOR | ASSIGNOR'S SIGNATURE | DATE |
| Carl D. Gilmore | Carl D. Milmore | 30 June 2014 |
| ADDRESS 1724 Forest Hill Avenue, South M | ilwaukee, Wisconsin 53172 | CITIZENSHIP USA |
| | | |

Page 5 of 12 rl Unknown document property name.

| 1. WITNESS NAME Heidi Balestrieri | WITNESS SIGNATURE Heidi Balestrici | DATE 6/30/2014 |
|--------------------------------------|---------------------------------------|--------------------|
| ADDRESS S54W25616 Hazelhurst | Ln Waukesha WI 53189 | CITIZENSHIP USA |
| | | |
| 2. WITNESS NAME Jason Schmidt | WITHESS SIGNATURE FROM Shudd | DATE 6/30/2014 |
| ADDRESS 9771 S. Fox Run, Oak Cr | rek, WI 53154 | CITIZENSHIP USA |
| | | |

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| parentheses the country, application number, and official filing date (Application No filed). IN TESTIMONY WHEREOF, I/We have hereunto set our hands. | | | |
|---|-----------------------------|--------------------|--|
| THE TEOTIMON WHENEON, INVOING | ve herearte set our narres. | | |
| 1. FULL NAME OF ASSIGNOR | ASSIGNOR'S SIGNATURE | DATE | |
| Philip R. Strydom | Milp R Sloyden | 7/1/2014 | |
| ADDRESS 519 East Centennial Drive, Oak Creek, Wisconsin 53154 | | CITIZÉNSHIP USA | |
| | | | |

Page 7 of 12 4842-9078-8891.1

| 1. WITNESS NAME | WITNESS SIGNATURE | DATE |
|---------------------------|--|---------------------|
| Jakob Harrison | Jan II | 7/1/14 |
| ADDRESS 747 E SAL STZE | M. Iwarhen WI 53203 | CITIZENSHIP USA |
| | | |
| <u> </u> | , <u>, , , , , , , , , , , , , , , , , , </u> | |
| 2. WITHESE NAME | WINESS SIGNATURE 1 UMAN 1 UMAN 9 | 7/1/14 |
| ADDRÁGS 7834 S. 151 | St Milwainer W153207 | CITIZENSHIP US/4 |
| | and the second s | : |

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|---|------------------------|--------------------|--|
| IN TESTIMONY WHEREOF, I/We have hereunto set our hands. | | | |
| 1. FULL NAME OF ASSIGNOR | ASSIGNOR'S SIGNATURE | DATE | |
| Christopher R. Wanasek | Christopher R. Womasch | 6-30-14 | |
| ADDRESS 6044 South Loomis Road, Waterford, Wisconsin 53185 | | CITIZENSHIP USA | |
| | | | |

Page 9 of 12 4828-4499-2283.1

| 1. WITNESS NAME JUStin Hrongk | witness signature With Hall | 6-30-14 |
|--------------------------------|------------------------------|--------------------|
| S650 5 110th St Hales | Corners, W153130 | CITIZENSHIP 154 |
| | | |
| 2. WITNESS NAME | WITNESS SIGNATURE | DATE 6-30-14 |
| ALLAN HUTCHISON | Who Hear | 0 30 17 |
| ADDRESS W133 S8109 NORTHYIEW | OR, MUSKEGO, WI 53150 | CITIZENSHIP |

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|---|--------------------|--|
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| 1. FULL NAME OF ASSIGNOR ASSIGNOR'S SIGNATURE | DATE | |
| Jeanne Yaunke | 7-8-14 | |
| ADDRESS W8876 Lake Road, Delavan, Wisconsin 33115 | CITIZENSHIP USA | |
| VV0070 Lake Road, Delavali, Wisconsiii 33113 | 000 | |
| | | |

Page 11 of 12 4842-9078-8891.1

| 1, WITNESS NAME FRANK R Sper JR | WITNESS SIGNATURE | 7/8/2014 |
|---------------------------------|---|---------------------------|
| ADDRESS 6935 W. PNEBS | KN RINGE | CITIZENSHIP |
| FRANKUM, WI 53132 | | • |
| <u> </u> | | |
| 2. WITNESS NAME | WITNESS SIGNATURE | DATE |
| | 1 7 3 3 3 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | |
| Russell A Fix | 1 1 - Cl + U | 07-08-2014 |
| RUSSELL A FIX | L | 07-08-2014 CITIZENSHIP |
| | L | <u> </u> |

PATENT REEL: 033268 FRAME: 0735

RECORDED: 07/09/2014