PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2811351

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN MULLER	04/08/2014
ROLAND ANDEREGG	03/24/2014
LUKAS KURMANN	03/24/2014

RECEIVING PARTY DATA

Name:	CATERPILLAR GLOBAL MINING EUROPE GMBH
Street Address:	INDUSTRIESTRASSE 1
City:	LUNEN
State/Country:	GERMANY
Postal Code:	44534

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14346627

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 via

US Mail.

Phone: 414-271-2400

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

JOHN M. LAZARUS **Correspondent Name:**

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

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

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20007-5109

ATTORNEY DOCKET NUMBER:	017330-0838
NAME OF SUBMITTER:	JOHN M. LAZARUS
SIGNATURE:	/John M. Lazarus/
DATE SIGNED:	04/11/2014

Total Attachments: 6

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PATENT

REEL: 032658 FRAME: 0563 502764755

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PATENT REEL: 032658 FRAME: 0564

ASSIGNMENT

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

DEVICE FOR MACHINING MATERIALS BY MILLING OF DRILLING, AND METHOD THEREFOR

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

WHEREAS, Caterpillar Global Mining Europe GmbH, a corporation of GERMANY whose post office address is Industriestraße 1, 44534 Lünen, GERMANY (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 HERE	BY authorize the attorn	eys/representatives	that I/WE have empowered to prosecute this
application to insert here	n parentheses the coun	itry, application num	ber, and official filing date (
Application No.	, filed).	-
		,	
IN TESTIMONY V	VHEREOF, I/WE have h	hereunto set our har	nds.

PATENT REEL: 032658 FRAME: 0565

1. FULL NAME OF FIRST ASSIGNOR Martin Müller	ASSIGNOR'S SIGNATURE	DATE 4, 2014
ADDRESS Römerstrasse 3, 8918 Unterlunkhofen, S	SWITZERLAND	CITIZENSHIP
	1	
1. WITNESS NAME ANGULE MOSES	with 5ss signature	April 8, 2014
ADDRESS Ctrumbergstr.5, 8906 Boustette	u Switzeland	CITIZENSHIP
ZHUMBEIGSIN,S, 0300 Box31-11		Cer
LUSTENBERGER REDUCK	WITNESS SIGNATURE	Arily 2014
Speerstrape 2, 880	Thickbewart CH	CITIZENSHIP
	agas ilis kannan tara	
2. FULL NAME OF SECOND ASSIGNOR Roland Anderegg	ASSIGNOR'S SIGNATURE	DÂTE
ADDRESS Im Kleinholz 67, 4600 Olten, SWITZERL	AND	CITIZENSHIP
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
L-man - man		
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	-	CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Lukas Kurmann	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 32 Rue Principale, 68130 Franken, FRA	NCE	CITIZENSHIP
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

Page 3 of 3

PATENT REEL: 032658 FRAME: 0567

ASSIGNMENT

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

DEVICE FOR MACHINING MATERIALS BY MILLING OF DRILLING, AND METHOD THEREFOR

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

WHEREAS, Caterpillar Global Mining Europe GmbH, a corporation of GERMANY whose post office address is Industriestraße 1, 44534 Lünen, GERMANY (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 patents which may be granted on 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 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 to insert here in parentheses the country, application number, and official filing date (
Application No, filed).

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

1. FULL NAME OF FIRST ASSIGNOR Martin Müller	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Römerstrasse 3, 8918 Unterlunkhofen, S	CITIZENSHIP	
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAMË	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. FULL NAME OF SECOND ASSIGNOR Roland Anderegg	ASSIGNOR'S SIGNATURE.	DATE 63/24/2044
ADDRESS Im Kleinholz 67, 4600 Olten, SWITZERLAND		CITIZENSHIP
	MNU	Swiss
1. WITNESS NAME Stefan Niederberger	WITNESS SIGNATURE	} :
	WITNESS SIGNATURE	Swiss Date
Stefan Niederberger ADDRESS	WITNESS SIGNATURE	DATE O3/24/2014 CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Lukas Kurmann	ASSIGNOR'S SIGNATURE	03/24/2014
ADDRESS 32 Rue Principale, 68130 Franken, FRANCE		CITIZENSHIP Services
1. WITNESS NAME Stefan Niederberger	WITNESS SIGNATURE	DATE 03/24/2014
ADDRESS Zentralstrasse 97, 5430 Weltingen		qihenasitid 221W2
2. WITNESS NAME Sandro Wiedmer	WITNESS SIGNATURE SWIEJALS	DATE 03/24/2014
ADDRESS Friedhofstrasse 6, 465	2 Winenau	CITIZENSHIP SW/SS