502716599 03/11/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2763204

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CATERPILLAR GLOBAL MINING EUROPE GMBH	02/19/2014

RECEIVING PARTY DATA

Name:	DR. MANFRED ZIEGLER
Street Address:	BOZENER STRASSE 24
City:	DORTMUND
State/Country:	GERMANY
Postal Code:	D-44229

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7353937

CORRESPONDENCE DATA

Fax Number: (309)675-1236

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: (309) 675-8091

Email: Mayernich_Linda_L@cat.com

Correspondent Name: CATERPILLAR INC. Address Line 1: 100 NE ADAMS ST

Address Line 2: AH9510

Address Line 4: PEORIA, ILLINOIS 61629-9510

ATTORNEY DOCKET NUMBER:	12-2460
NAME OF SUBMITTER:	LINDA L. MAYERNICH
SIGNATURE:	/Linda L. Mayernich/
DATE SIGNED:	03/11/2014

Total Attachments: 3

source=12-2460-Assignment#page1.tif source=12-2460-Assignment#page2.tif source=12-2460-Assignment#page3.tif

PATENT 502716599 REEL: 032408 FRAME: 0041

PATENT ASSIGNMENT AGREEMENT

Between

Caterpillar Global Mining Europe GmbH, Industriestraße 1, D-44534 Lünen, Germany - in the following referred to as "Assignor" -

and

Dr. Manfred Ziegler, Bozener Straße 24, D-44229 Dortmund, Germany - in the following referred to as "Assignee" -

PREAMBLE

Assignor is owner of the patents and applications as listed in Schedule 1 attached to this Assignment (the "Patents"). Priority application of these Patents is German patent application DE 100 459 39 referring to a method for monitoring a belt orientation and/or belt travel of a band belt conveyor apparatus that was filled on May 6, 2005. Assignor wishes to assign and Assignee wishes to acquire the entire right, title and interest to the Patents as listed in Schedule 1 for the purpose of commercial exploitation. For this reason, the parties conclude the following Agreement.

SUBJECT MATTER

- 1.1 Assignor hereby assigns to Assignee the Patents with all rights and obligations pertaining thereto.
- 1.2 Patents shall be for the use of Assignee and its successors, assignees or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.
- 1.3 Patents are assigned and transferred together with all income, royalties, or other payments that become due or payable as of the Effective Date or thereafter, including, without limitation, all payments resulting from claims for damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for and collect the same for the use of Assignee and its successors, assignees, or other legal representatives.
- 1.4 Assignee agrees with the assignment of the aforementioned intellectual property rights.

REGISTRATION

Assignor agrees to the registration of the assignment of the Patents pursuant to this Agreement in the pertaining patent registers and undertakes to deliver all documents with all necessary signatures and to perform all measures which are required or useful for this purpose.

PATENT REEL: 032408 FRAME: 0042

3. WARRANTIES

3.1 Assignee is aware of the technical features of the invention. Assignor is not liable for the technical utility and commercial exploitability of the invention.

4. COSTS

The costs and fees triggered by this Agreement as well as all costs for the assignment and recording will be borne by the Assignee. The Assignee will also pay all the fees and costs for maintenance of the patent after the execution of this agreement.

JURISDICTION AND APPLICABLE LAW

For all controversies out of this Agreement the appropriate court located in Germany shall have jurisdiction. The Agreement shall be governed and construed in accordance with the laws of Germany.

PARTIAL INVALIDITY

- 6.1 If at any time, any one or more provisions hereof is or becomes invalid, illegal or unenforceable in any respect, that provision shall be ineffective to the extent necessary without affecting or impairing the validity, legality and enforceability of the remaining provisions of this Agreement. The invalid, illegal or unenforceable provision shall be deemed replaced by a valid, legal and enforceable provision which comes as close as possible to the original intent of the parties and the invalid, illegal or unenforceable provision. This shall apply analogously in the case of gaps.
- 6.2 If the assignment of anyone or more of the Patents is or becomes invalid, this shall not affect or impair the validity of the assignment of the remaining Patents.

DATE: 06.02.2014

DATE: 132. 2014

Title: Tom Bluth, VP Tradudy, Chy

Dr. Manfred Ziegfer

Assignee

Caterpillar Global Mining Europe GmbH Assignor

ě		Charles	Secretary Constitution	A 200 P 200 P	CONTRACTOR OF THE PARTY OF THE		
1	Comeco	~ oratioa					
	1	Resolved	PgPCT Convention	04/08/2006	{2006246083	08/11/2011	2006246083
	***************************************		Control of the contro	6.40000000	06726157.0	13X0232011	E513774
12-2450 (Austria		Granted		Majuration and a second a second and a second a second and a second a second and a second and a second and a	0.0123100		TO THE PARTY OF TH
Consider Bulbaria		Stanled	Epo - European Patent	04/38/2006	06724157.0	06/22/2011	EP187(33)
T				04/08/2006	200680015452.0	12/28/2011	200680015452.0
	Chine P. R.	Cianion		o a contraction	MET92567 S	53872272014.1	EP1877330
	Republic		epe - coropean Palein	NO ALTONOON			Contractor Contractor
		Granfed	Euc European Patent	04/08/2006	06724157.0	(06)22/2011	EF 107 (330)
-			- I was a superior of the supe	SOUTH CONTROL	106704462.0	Ingresional	EP1877330
12,7460 Great Britain	ritain	Granted	EDC - Entropeau Falent	0.49.201200	100.00 to 100.00		
1			Get BCT Consocian	104/08/2006	5592/CHENP/2007		
12 Z456 Hndis			COLUMN CONTRACTOR		***************************************	And the control of th	AND MANAGES
12 SARO SOLUD AUROR	(mex	Granted	Pot - PCT Convention	104/58/2006	2007/10253	05/30/2010	(2007) (CES)
			Fron Franciscan Patent	104/08/2006	06724157.0	06/22/2011	EP1877330
12-2450 (Swedon						(00.00.000.4	2003 (000%)
An Tagen		(Gentabed	Euc - European Patem	\$04/08/2006	(25/241a/.0	(OD/C DZO ()	100 ((COC)
	*****		Contract Con	A KOR POOL	111/281833	04/08/2008	7353937
12-2469 United State	States	Compa	case - formation cased - seed	Chicalago			

RECORDED: 03/11/2014

PATENT REEL: 032408 FRAME: 0044