#### 501878051 04/04/2012

### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Douglas Alexander Rebinsky	02/21/2012
Orhan Altin	03/06/2012
Yong Tian	02/21/2012
Ryan A. Dusheke	02/13/2012
Luke W. Zinda	02/21/2012
Maggie R. Burrow	03/26/2012
Jedidah Hastings	04/04/2012

### **RECEIVING PARTY DATA**

Name:	Caterpillar, Inc.	
Street Address:	100 North East Adams	
City:	Peoria	
State/Country:	ILLINOIS	
Postal Code:	61629	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13354766

# **CORRESPONDENCE DATA**

Fax Number: (312)977-9959 Phone: 312-977-9903

swallace@millermatthiashull.com Email:

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

via US Mail.

Correspondent Name: Caterpillar/ Miller, Matthias & Hull LLP

Address Line 1: One North Franklin Street

Suite 2350 Address Line 2:

Address Line 4: Chicago, ILLINOIS 60606

**PATENT** 

**REEL: 027989 FRAME: 0786** 

501878051

ATTORNEY DOCKET NUMBER:	50100/11-1118
NAME OF SUBMITTER:	Thomas A. Miller
Total Attachments: 8 source=11-1118-assign#page1.tif source=11-1118-assign#page2.tif source=11-1118-assign#page3.tif source=11-1118-assign#page4.tif source=11-1118-assign#page5.tif source=11-1118-assign#page6.tif source=11-1118-assign#page7.tif source=11-1118-assign#page8.tif	

PATENT REEL: 027989 FRAME: 0787

#### **ASSIGNMENT**

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

# ZINC OXIDE SULFUR SENSORS AND METHODS OF MANUFACTURE THEREOF

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

WHEREAS, Caterpillar, Inc., a corporation of Delaware whose post office address is 100 North East Adams, Peoria, Illinois 61629 (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, 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 filled 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that 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, 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 (US Application No. 13/354,766, filed January 20, 2012).

IN TESTIMONY WHEREOF, We have hereunto set our hands.

		Client Ref. No.11-1118
Full name of sole or first assignor     Douglas Alexander Rebinsky	ASSIGNOR'S SIGNATURE	DATE / 2012
ADDRESS 2621 West Manor Parkway, Peoria, IL 616	04	CITIZENSHIP CA
1. WITNESS NAME Solimons Beyes Rodviguez (	WITNESS SIGNATURE	Thung 21 Jus
Pearso IL 61615	b. Apt. 1105	CITIZENSHIP
2 WITNESS NAME DAVID E. BLUNIER	WITNESS SIGNATURE  Dand & Blumit	21 Fx brace y 2012
2018 Clovertiell Drive		CITIZENSHIP (
Manualla Til 1.16		

3. FULL NAME OF THIRD ASSIGNOR, IF ANY  Orhan Altin	ASSIGNOR'S SIGNATURE Signed as legal representative of Orhan Altin Holy Grahler	DATE 03/06/2012
ADDRESS Asagi Mahalle, Huzur Bulvari No: 67 Acipayam, Denizli, Turkey		CITIZENSHIP TK
1. WITNESS NAME	WITNESS SIGNATURE	DATE
Andrew D. Sullivan	aconc	3/6/2012
ADDRESS 642 Taylor St Morton,	, IL 6155°	CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Jeffrey S. Will Sond	SWITTS	3-6-2012
ADDRESS / Te cam soh Ct.		CITIZENSHIP US
Hopewell TI 6		

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Yong Tian	ASSIGNOR'S SIGNATURE	DATE Feb 21, 2012
ADDRESS 1919 W. Forestglen Dr., Peoria, IL 61615		CITIZENSHIP PRC
		The state of the s
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ZHAOXU DONG	Thavan M	02/21/2012
10856 N Glenfield Driv	e, Dunlap, 2L 61525	CITIZENSHIP PRC
		A Control of Control o
2. WITNESS NAME	WITNESS SIGNATURE	DATE
FENG FENG	10/10	02/21/2012
ADDRESS 11012 N Stillwater Dr		CITIZENSHIP
Dunlap ZL 61525		PRC

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Ryan A. Dusheke	Mr 4 Mell	13 Feb 2012
ADDRESS 1700 W. Hickory Grove Road, Apt. B202, Dunlap, IL 61525-8716		CITIZENSHIP US
1. WITNESS NAME	WITNESS SIGNATURE	DATE
Laura Ligesti	Laura Lille	2/13/2012
3632 N. Peoria Ave., Peo		CITIZENSHIP US
<b>!</b>		
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Scott A John Stell	SANDA	2/13/2012
Scott A John Steh ADDRESS 1214 Both CA FACT	Perro JL 61811	CITIZENSHIP

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Luke W. Zinda	Kake W. Zinde	2/21/2012
ADDRESS 5 LT 4014 W. Hollow Creek Drive, \$ 11, Peoria,	IL 60615	CITIZENSHIP US
		r
Soliman Bayes Richrique &	egeneer) up alrique	Thuring 21212
SHOU W. Siemalo Apt.	1115 0 0 0	CITIZENSHIP
Penia IL 61615		
	The state of the s	The state of the s
2. WITNESS NAME	WITNESS SIONATURE	DATE
Northan J. Madden	Nich Wal	2/21/2012
ADDRESS 613 Blucked Dr.		CITIZENSHIP USA
Pox Elder, SD, 57719		

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Maggie R. Burrow	ASSIGNOR'S SIGNATURE Maggu Burow	DATE 3-26-12
ADDRESS 1712 E. Shady Oak Drive, Peoria, IL 61614-7906		CITIZENSHIP US

1. WITNESS NAME CANDICE A. LUNDY	WITHESS SIGNATURE	3/26/12
1025 N. Institute Place		CITIZENSHIP
Peoria, 12 101606		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Jeff Ulson	Joll Hor	3/21/12
23411 N. Taylor Rd.	160	CITIZENSHIP U.S
Canton, IL 6/520		

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Jedidah Hastings	ASSIGNOR'S SIGNATURE	DATE 04/12
ADDRESS 100 North East Adams, Peoría, IL 61629		CITIZENSHIP US
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP