08-15-2006



103291528

EET **U.S.** Department of Commerce Patent and Trademark Office Attorney Docket No. 08350.5409-00000 Attorney Customer Number: 22,852

To the Director of the CS. Patent and Trauemann Cines. Please record the attached deginal documents or copy thereof.	_	Ma	ail Stop A	ssignment R	ecordation Services
Name of conveying party(ies):		2.	Name and	d address of r	eceiving party(ies):
(1) Dale Charles Maley; (2) Michel Blane Montgomery; (3) Steph Robert Lewis; (4) Byron Reed Stalter; (5) Karl Larry Sickmann	nen	Name:	Cater	rpillar Inc.	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		Internal Address:		ectual Proper	ty Department
3. Nature of conveyance:		Street Address:		N.E. Adams S	treet
Assignment Merger		City:	Peoria		
☐ Security Agreement ☐ Change of Name		State:	IL	Zip Code:	61629-6490
Other: Correction of Recordation Cover Sheet: (Reel 017922, 0946).	Frame	Additiona	al name(s)	& Address(e	s) attached?
Execution (1) May 24, 2006; (2) May 24, 2006; (3) May 23, 2006; (4) Date: 24, 2006; (5) May 24, 2006) May		☐ Yes	⊠N	0
Application number(s) or patent number(s): If this document is b the application:	eing filed t	ogether w	vith a new	application, t	he execution date of
A. Patent Application Number(s): 11/362,831	В.	Patent N	Number(s)	:	
Additional numbers attached?	☐ Yes		⊠ No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6.	involved		pplications ar	nd registrations
Name: Christopher P. Isaac	7.	Total fee	e (37 CFR	1.21(h) and	3.41): \$40
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.			closed (Ple count 06-0		deficiency to deposit
Street Address: 901 New York Avenue, N.W.		Au	thorized to	be charged	to deposit account
City: Washington, D.C.					
State: Zip: 20001-4413	8.	Deposit	Account N	No.: <u>06-0916</u>	
9. Statement and signature.	•				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
Nil S. P.	well			August 10,	2006
Neil T. Powell Sign Reg. No. 45,020	ature			D	ate
Total number of pages including cover sheet, attachments and documents: 9					
01/2005					

08/14/2006 DBYRNE 00000034 11362831

01 FC:8021

PATENT REEL: 018284 FRAME: 0487

!		MAY 2 4 2006
		ne Director of the U.S. Patent and se record the attached original d
	1.	Name of conveying party(ies):
7		(1) Dale Charles Maley (2) Michel Blane Montgomery

05/25 01 FC



U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 08350.5409-00000 Attorney Customer Number: 22,852

To the Director of the U.S. Patent and Trade 103247 Please record the attached original documents or copy thereof.	Mail Stop Assignment Recordation Services
1. Name of conveying party(ies): (1) Dale Charles Maley (2) Michel Blane Montgomery (3) Stephen Robert Lewis (4) Byron Reed Stalter (5) Karl Larry Sickmann	Name and address of receiving party(ies): Name: Caterpillar Inc.
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address: Intellectual Property Department
Nature of conveyance:	Street Address: 100 N.E. Adams Street
Assignment	City: Peoria
Security Change of Name Agreement	State: IL Zip Code: 61629-6490
Other: Execution Date: (1) April 24, 2006 (2) April 24, 2006 (3) April 18, 2006 (4) April 24, 2006 (5) April 24, 2006	Additional name(s) & Address(es) attached? ☐ Yes ☑ No
 Application number(s) or patent number(s): If this document is b the application: A. Patent Application Number(s): 11/362,831 	eing filed together with a new application, the execution date of B. Patent Number(s):
Additional numbers attached?	☐ Yes ⊠ No
 Name and address of party to whom correspondence concerning document should be mailed: 	Total number of applications and registrations involved: 1
Name: Christopher P. Isaac	7. Total fee (37 CFR 1.21(h) and 3.41): \$40
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.	Enclosed (Please charge deficiency to deposit account 06-0916)
Street Address: 901 New York Avenue, N.W. City: Washington, D.C.	Authorized to be charged to deposit account
State: Zip: 20001-4413	8. Deposit Account No.: 06-0916
9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is true a document.	and correct and any attached copy is a true copy of the original
2006 HALI11 00000177 11362631 (40.00 OP)	Powel May 24, 2006
Neil T. Powell Signa Reg. No. 45,020 Total number of pages including environment of	Date
Total number of pages including cover sheet, al	trachments and documents: 9

PATENT

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350,5409-00000 Cilent Ref. No. 05-409

ASSIGNMENT

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

VALVE-TESTING SYSTEM AND METHOD

for which I/We filed an application for United States Letters Patent on February 28, 2006 (Application No. 11/362,831); and

WHEREAS, Caterpiliar Inc., a corporation of Delaware whose post office address is intellectual Property
Department, 100 N.E. Adams Street, Fedria, IL 51628-6490 (hersinafter referred to as Assignee), is desirous of securing
the entire right, title, and interest in and to this invention in all countries throughout the world, and in end to the application
for United States Letters Patent on this invention and the Letters Patent to be issued upon this application:

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other 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, is lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. ______, filled _______ (if any), and this application, and all divisions, and continuations thereof, and all rights to claim priority on the basis of the United States which may be granted thereon, and all refessues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filled for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and essigns, in accordance with the terms of this Assignment;

AND, IWE HEREBY covenant that IWe have the full right to convey the interest assigned by this Assignment, and IWe 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 sesigns, 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 essigns, 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 the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

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

FULL NAME OF FIRST ASSIGNOR Daile Charles Maley	ASSISTANCE SIGNATURE DLC. ML	5/24/0b
ADDRESS 17 Brookwood Court	T	CITIZENSHIP
Fairbury, IL 61739		

Page 1 of 4

PATENT

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.5409-00000 Client Ref. No. 05-409

1. WITNESS NAME BYROW RESTALTER	WITNESS SIGNATURE	DATE 5/24/06
17748 TILDE RD	·	CITIZÉNSHIP USA
HUBSON, IL. 61748		
2. WITHESE NAME KARL LARRY SICKHANN	WETNESS SIGNATURE COMPANY	37/24/06
1411 N. AURORA ST.		CITIZENER
PONTIAC, IL. 6176	64	
2. FULL NAME OF SECOND ASSIGNOR Michel Blame Montgomery	Muly B. Montgomory	5/24/06
ADDRESS 401 North Harrison Street		CITIZENSHIP USA
Flanagan, IL 61740	•	
1. WITHESONAME DALE Charles Maley	WITNESS SIGNATURE Dale C Male	5/24/06
1. WITHESO NAME DALC Charles Maley ADDRESS 17 BROCK WOOD CO		
DALE Charles Maley	LRT O	5/24/06 CHIZZANIA
DALE Charles Maley ADDRESS 17 BROOK WOOD CO FAIR bury IL	61739	5/24/06 CITZENSE US A,
DALE CHAPLES MALEY ADDRESS 17 BROOK WOOD CO FAIR BUTY TL 2 WITHESS NAME BROW REED STALTER	WITNESS SIGNATURE Syna Chatter	5/24/06 CITIZENSEP USA,
DALE CHAPLES MALEY ADDRESS 17 BROOK WOOD CO FAIR BUTY TL 2 WITHESS NAME BROW REED STALTER	WITNESS SIGNATURE Syna Chatter	5/24/06 CITZENSE US A,
DALE CHAPLES MALEY ADDRESS 17 BROOK WOOD CO FAIR BUTY TL 2 WITHESS NAME BROW REED STALTER	WITNESS SIGNATURE Syna Chatter	5/24/06 CITIZENSEP USA,
DALE CHAPLES MALEY ADDRESS 17 BROOK WOOD CO FAIR BUTY TL 2 WITHESS NAME BROW REED STALTER	WITNESS SIGNATURE Syna Chatter	5/24/06 CITIZENSEP USA,
DALE CHAPLES MALEY ADDRESS 17 BROOK WOOD CO FAIR BUTY TL 2 WITHESS NAME BROW REED STALTER	WITNESS SIGNATURE Syna Chatter	5/24/06 CITIZENSEP USA,
DALE CHAPLES MALEY ADDRESS 17 BROK WOOD CO FAIR BUY JL 2 WITNESS NAME BYROW REED STALTER ADDRESS 17748 TILDE RD #WDSON JL. 61748 3. FULL NAME OF THIRD ASSIGNOR Stephen Robert Lewis ADDRESS	61739 WITNESS SKONATURE Lyna C. Steller	5/24/06 CITIZENSHIP USA, DATE 5/24/06 CITIZENSHIP USA
DALE CHAPLES MALEY ADDRESS 17 BROK WOOD CO FAIR BUY JL 2 WITNESS NAME BROW REED STALTER ADDRESS 17748 TILDE RD #WDSON JZ. 61748 3. FULL NAME OF THIRD ASSIGNOR Stephen Robert Lewis	61739 WITNESS SKONATURE Lyna C. Steller	DATE CITIZENSHIP CITIZENSHIP CITIZENSHIP

Page 2 of 4

PATENT

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350,5409-00000
Client Ref. No. 06-409

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADORES8		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHP
4. PULL NAME OF FOURTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Byron Reed Stalter	Born L Statter	5/24/04
ADDRESS		CITIZENSHIP USA
17748 Tilde Road	**************************************	USA
Hudson, IL 61748		
MINHEL BLANE MONTEOM	TX Muchel B. Montage	DATE 5/24/06
ADDRESS 401 N. HARRISAN S	7.	CITIZENSHIP
1. WITHESE HAME BLANE MONTEDMY NOPRESS 401 N. HARRISON S FLANAGAN, IL. 61	740	
2 WITNESS NAME DALE CHARLES MA	Ley Die C. Mile	5/24/06
17 BROOK WOOD C	σ	
FAIRBUT IL	61739	
5, FULL NAME OF FIFTH ASSIGNOR	ASSIGNOR'S RIGNATURE	DATE
Karl Larry Sickmann	Kulsih	5/24/06
1411 North Aurora Street		USA
Pontiac, IL 61764		

Page 3 of 4

PATENT

SOLE/JOINT INVENTION (Worldwide Righta) Attorney Docket No. 08350.5409-00000 Client Ref. No. 05-409

1. WITNESS NAME BYROJ REED STALTER	WITNESS SIGNATURE Status	DATE 5/24/04
17748 TILDE RD		CTUZÉNSHIP USA
HUNSON, IL. 61748		
2. WITNESS NAME DALE Charles maley	WITHESS SIGNATURE L) & C AAS	OATE 5/24/06
ADDRESS	COURT	USA

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350,5409-00000 Client Ref. No. 05-409

ASSIGNMENT

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

VALVE-TESTING SYSTEM AND METHOD

for which I/We filed an application for United States Letters Patent on February 28, 2006 (Application No. 11/362,831); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property
Department, 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing
the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application
for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

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 the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I'We have hereunto set our hands.

FULL NAME OF FIRST ASSIGNOR Dale Charles Maley	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 17 Brookwood Court		CITIZENSHIP USA
Fairbury, IL 61739		

Page 1 of 4

PATENT

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.5409-00000 Client Ref. No. 05-409

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
	-	
2. FUL NAME OF SECOND ASSIGNOR Michel Blane Montgomery	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 401 North Harrison Street		CITIZENSHIP USA
Flanagan, IL 61740	•	
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADORESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
3. FULL NAME OF THIRD ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Stephen Robert Lewis	ASSIGNOR'S SIGNATURE	5-23-06
		5-23-06 CITIZENSHIP USA

Page 2 of 4

PATENT

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350,5409-00000 Client Ref. No. 05-409

1. WITNESS NAME Amy Johanson	WITNESS SIGNATURE WHOUSON	5/23/06
1005 Primrose, Lane	30	CITIZENSHIP
Normal, IL 61761		
2 WITNESS NAME SEFF MUCLLET	WITNESS SIGNATURE	DATE 5/23/06
ADDRESS 1217 RIVIERA DRIV	E	dizeveriér V.S.
BLOOMINGTON, IL 6170	ול	
4. FULL NAME OF FOURTH ASSIGNOR Byron Reed Stalter	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 17748 Tilde Road		CITIZENSHIP USA
Hudson, IL 61748		
	1	
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRES8		CITIZENSI-IIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
2, WITNESS NAME ADDRESS	WITNESS SIGNATURE	DATE CITIZENSHIP
	WITNESS SIGNATURE	
	WITNESS SIGNATURE	
	WITNESS SIGNATURE ASSIGNOR'S SIGNATURE	
ADDRESS 5. FULL NAME OF FIFTH ASSIGNOR		CITIZENSHIP

Page 3 of 4

PATENT

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08360.5409-00000 Client Ref. No. 05-409

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSI-IP

Page 4 of 4

PATENT