

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2895728

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YONG YI	05/29/2014
JAY VENKATARAGHAVAN	06/10/2014
STEVEN RAY LEWIS	06/02/2014
ARVIND JUJARE	06/11/2014
MUHENG ZHANG	05/29/2014
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 N.E. ADAMS STREET
Internal Address:	INTELLECTUAL PROPERTY DEPARTMENT
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629-9510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14293614
CORRESPONDENCE DATA	
Fax Number:	(202)408-4400
<i>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.</i>	
Phone:	202-408-4000
Email:	faxserve@finnegan.com
Correspondent Name:	CATERPILLAR/FINNEGAN, HENDERSON, L.L.P.
Address Line 1:	901 NEW YORK AVENUE, NW
Address Line 4:	WASHINGTON, D.C. 20001-4413
ATTORNEY DOCKET NUMBER:	08350.1280-00000
NAME OF SUBMITTER:	VIRGINIA MCNELIS-CLARK
SIGNATURE:	/Virginia McNelis-Clark/
DATE SIGNED:	06/12/2014
Total Attachments: 8	
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PATENT

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REEL: 033089 FRAME: 0749

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ASSIGNMENT

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

REDUCTANT DOSING SYSTEM HAVING STAGGERED INJECTORS

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

WHEREAS, **Caterpillar Inc.**, a corporation of **Delaware** whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510** (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;

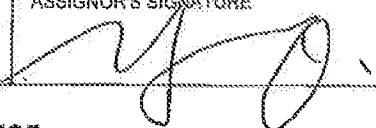
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. _____, filed _____, 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 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 (14/293,614 filed June 2, 2014)

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Yong Yi	ASSIGNOR'S SIGNATURE 	DATE 05/29/2014
ADDRESS 2010 W. Miners Drive, Dunlap, IL 61525		CITIZENSHIP USA

1. WITNESS NAME <i>Xiaohui Gong</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>05/29/2014</i>
ADDRESS <i>11008 N. Serene Blvd. Dunlap, IL 61525</i>		CITIZENSHIP <i>China</i>
2. WITNESS NAME <i>Di Huang</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>5/29/2014</i>
ADDRESS <i>10901 N. Highcrest Ln. Dunlap, IL 61525</i>		CITIZENSHIP <i>China</i>

2. FULL NAME OF SECOND ASSIGNOR Jay VENKATARAGHAVAN	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 11101 N Serene Boulevard, Dunlap, IL 61525		CITIZENSHIP USA
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR Arvind JUJARE		ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1700 W. Marigold Drive, Apt. 5102, Peoria, IL 61615		CITIZENSHIP USA	
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	

4. FULL NAME OF FOURTH ASSIGNOR Steven Ray LEWIS		ASSIGNOR'S SIGNATURE <i>Steven R. Lewis</i>	DATE 06/02/2014
ADDRESS 3200 W. Chadwick Lane, Peoria, IL 61614		CITIZENSHIP USA	
1. WITNESS NAME MANDA RAMAKRISHNA		WITNESS SIGNATURE <i>Manda Ramakrishna</i>	DATE 06/02/2014
ADDRESS 2605 W SESAME ST. DUNLAP, IL 61525		CITIZENSHIP INDIA	
2. WITNESS NAME JINHUI SUN		WITNESS SIGNATURE <i>J Sun</i>	DATE 6/2/14
ADDRESS 3723 W. HEARTHWOOD DR DUNLAP. IL 61525		CITIZENSHIP USA	

5. FULL NAME OF FIFTH ASSIGNOR Muheng ZHANG	ASSIGNOR'S SIGNATURE <i>Muheng Zhang</i>	DATE <i>May 29 2014</i>
ADDRESS 4013 N Brookdale Place, Apt. 5B7, Peoria, IL 61614		CITIZENSHIP CHINA
1. WITNESS NAME <i>Jiang Wang</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>05/29/2014</i>
ADDRESS <i>2333 W Murphy Dr, Dunlap IL 61525</i>		CITIZENSHIP <i>China</i>
2. WITNESS NAME <i>ZHAOXU DONG</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>05/29/2014</i>
ADDRESS <i>10856 N Glenfield Dr, Dunlap IL 61525</i>		CITIZENSHIP <i>China</i>

ASSIGNMENT

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

REDUCTANT DOSING SYSTEM HAVING STAGGERED INJECTORS

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is **Intellectual Property Department, 100 N.E. Adams Street, Peoria, IL 61629-9510** (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, provisional application Serial No. _____, filed _____, 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;

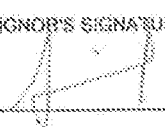
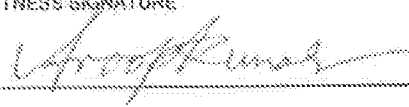

AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (4/293,614, filed June 2, 2014)

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Yong Yi	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2010 W. Miners Drive, Dunlap, IL 61525		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Jay VENKATARAGHAVAN		6/10/2014
ADDRESS 11101 N Serene Boulevard, Dunlap, IL 61525		CITIZENSHIP USA
1. WITNESS NAME	WITNESS SIGNATURE	DATE
Matthew Bohm	Matthew Bohm	6/10/2014
ADDRESS 5305 W. Legion Hall Rd. Dunlap IL 61525		CITIZENSHIP USA
2. WITNESS NAME	WITNESS SIGNATURE	DATE
Wade Scriver	Wade Scriver	6/10/2014
ADDRESS Oak Oak Ridge, Washington, IL 61571		CITIZENSHIP USA

3. FULL NAME OF THIRD ASSIGNOR Arvind JUJARE		ASSIGNOR'S SIGNATURE 	DATE 06/11/2014
ADDRESS 1700 W. Marigold Drive, Apt. 5102, Peoria, IL 61615		CITIZENSHIP USA	
1. WITNESS NAME NAVIN THAMMADI		WITNESS SIGNATURE 	DATE 06/11/2014
ADDRESS 1800 W. PEACH BUD DR Apt 12102, PEORIA, IL 61615		CITIZENSHIP INDIA	
2. WITNESS NAME Richard George		WITNESS SIGNATURE 	DATE 6/12/14
ADDRESS 17225 N Woodcrest Dr #105, Danip, IL 61525		CITIZENSHIP USA	

4. FULL NAME OF FOURTH ASSIGNOR Steven Ray LEWIS		ASSIGNOR'S SIGNATURE	DATE
ADDRESS 3200 W. Chadwick Lane, Peoria, IL 61614		CITIZENSHIP USA	
1. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	
2. WITNESS NAME		WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP	

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.1280-00000
Client Ref. No. 14-0172

6. FULL NAME OF FIFTH ASSIGNOR Muheng ZHANG	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 4013 N Brookdale Place, Apt. 5B7, Peoria, IL 61614		CITIZENSHIP CHINA
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP