PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOISAN KIM	07/28/2011
MARK F. SOMMARS	07/28/2011
XIANGDONG DING	07/28/2011

RECEIVING PARTY DATA

Name:	CATERPILLAR INC.
Street Address:	100 NE ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14470216

CORRESPONDENCE DATA

Fax Number: (202)861-1783

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.

Phone: 202-861-1500

Email: patents@bakerlaw.com

CATERPILLAR INC./BAKER HOSTETLER **Correspondent Name:** Address Line 1: WASHINGTON SQUARE, SUITE 1100,

Address Line 2: 1050 CONNECTICUT AVE, NW WASHINGTON, D.C. 20036 Address Line 4:

ATTORNEY DOCKET NUMBER:	86703.26611
NAME OF SUBMITTER:	KA CHUN LEUNG
SIGNATURE:	/Ka Chun Leung/
DATE SIGNED:	08/27/2014

Total Attachments: 3

source=8670326611_Assignment_filedAug272014#page1.tif source=8670326611_Assignment_filedAug272014#page2.tif source=8670326611 Assignment filedAug272014#page3.tif

PATENT REEL: 033621 FRAME: 0643 502952808

ASSIGNMENT

WHEREAS, Hoisan Kim, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Xiangdong Ding and Mark F. Sommars a new and useful

THREE-WAY NEEDLE CONTROL VALVE AND DUAL FUEL INJECTION SYSTEM USING SAME

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.
1/28/2011
HOISAN KIM Date
IN WITNESS QF the execution hereof by HOISAN KIM we have hereunto set our hands.
Mark 7/28/11 / 17 - 7/20/2011
Witness (1) Date Witness (2) Date
Address: 114 Running Elk Ct. Address: 2401. W. Carriage Lane
Sparland, FL 61565 Proria, IL 61614

PATENT REEL: 033621 FRAME: 0644

ASSIGNMENT

WHEREAS, Mark F. Sommars, residing at Sparland, Illinois, hereinafter referred to as ASSIGNOR has invented together with Hoisan Kim and Xiangdong Ding a new and useful

THREE-WAY NEEDLE CONTROL VALVE AND DUAL FUEL INJECTION SYSTEM USING SAME

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on
1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by
the United States of America and any foreign country, including any continuing application, reissue or
extension thereof, together with the right to file applications and obtain patents for said invention in any
foreign country, and covenant that ASSIGNOR has the full right to do so. 2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE
any facts known respecting said invention, to execute all papers necessary to file any application on said
invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.
3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND
TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other
legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal
representatives.
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.
Mark J. Sommars 7/28/11
MARK F. SOMMARS Date
IN WITNESS OF the execution hereof by MARK F. SOMMARS we have hereunto set our hands.
Witness (1) Date Witness (2) Date Address: 3936 W Creighton Fex Address: 106 W Covington (+ # 2
Address: 3936 W Creichton Tex Address: 1706 W Converton Ct #2
Peoria, II, 61615 Révira II.
00000

PATENT REEL: 033621 FRAME: 0645

ASSIGNMENT

WHEREAS, Xiangdong Ding, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Mark F. Sommars and Hoisan Kim a new and useful

THREE-WAY NEEDLE CONTROL VALVE AND DUAL FUEL INJECTION SYSTEM USING SAME

OBINO BAINE
for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 7/28/201 ; and
WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;
1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so. 2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.
3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND FRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.
4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other egal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.
IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.
The Sul 28, 20/1 CIANGDONG DING Date
N WITNESS OF the execution hereof by XIANGDONG DING we have hereunto set our hands.
Mark Journals 7/28/11 Witness (1) Note Witness (2) Address: 114 Running EIK CT. Address: 1506 W. Covington Cf. H2
Sparland, IL 61565 Peonia IL.
, v

PATENT REEL: 033621 FRAME: 0646

RECORDED: 08/27/2014