

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3538351

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT BÖWING	10/14/2014
ENRICO DREHOBL	06/08/2015
CHRISTIAN DREXEL	10/02/2014
MANFRED RAPP	10/02/2014
RECEIVING PARTY DATA	
Name:	CATERPILLAR ENERGY SOLUTIONS, GMBH
Street Address:	CARL-BENZ-STR. 1
City:	MANNHEIM
State/Country:	GERMANY
Postal Code:	68167
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14391388
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, N.W.
Address Line 4:	WASHINGTON, D.C. 20001-4413
ATTORNEY DOCKET NUMBER:	08350.1507-00000
NAME OF SUBMITTER:	MITTY A. WATTERS
SIGNATURE:	/Mitty A. Watters/
DATE SIGNED:	09/23/2015
Total Attachments: 8	
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PATENT

REEL: 036633 FRAME: 0086

ASSIGNMENT

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

PISTON OF AN INTERNAL COMBUSTION ENGINE

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

WHEREAS, Caterpillar Energy Solutions, GmbH, a corporation of GERMANY whose post office address is Carl-Benz-Str. 1, 68167 Mannheim, Germany (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, 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;

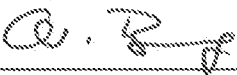
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

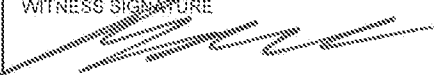
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Robert BÖWING	ASSIGNOR'S SIGNATURE 	DATE 14.10.2014
ADDRESS Felseckstr. 9, 6020 Innsbruck, Austria		CITIZENSHIP GERMANY

1. WITNESS NAME CHRISTINE BÖWING	WITNESS SIGNATURE 	DATE 19.10.14
ADDRESS FELSECKSTR. 9 / 6020 INNSBRUCK		CITIZENSHIP GERMANY

2. WITNESS NAME ROMAN BACHER	WITNESS SIGNATURE 	DATE 14.10.14
ADDRESS FELSECKSTR. 22, A-6020 INNSBRUCK		CITIZENSHIP A

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Enrico DREHOBL	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Hauptstr. 22, 68799 Reilingen, Germany		CITIZENSHIP GERMANY

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. **08350.1507-00000**
Client Ref. No. **12-0897**

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christian DREXEL	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Tilsiter Str. 7, 67245 Lambsheim, Germany		CITIZENSHIP GERMANY

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. **08350.1507-00000**
Client Ref. No. **12-0897**

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Manfred RAPP	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Erlengrund 13, 76698 Ubstadt-Weiher, Germany		CITIZENSHIP GERMANY

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

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

PISTON OF AN INTERNAL COMBUSTION ENGINE

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

WHEREAS, **Caterpillar Energy Solutions, GmbH**, a corporation of **GERMANY** whose post office address is **Carl-Benz-Str. 1, 68167 Mannheim, Germany** (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, 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 Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (_____ Application No. _____, filed _____).

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

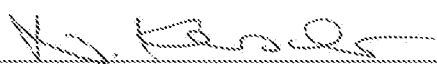
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Robert BÖWING	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Felseckstr. 9, 6020 Innsbruck, Austria		CITIZENSHIP GERMANY

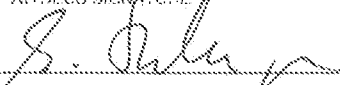
SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.1507-00000
Client Ref. No. 12-0897

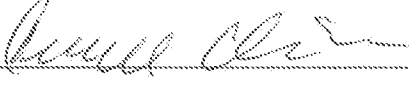
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

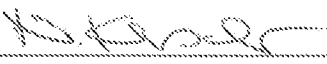
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

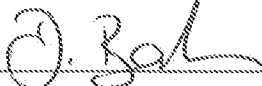
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
Enrico DREHOBL		2015-06-08
ADDRESS		CITIZENSHIP
Danziger Str. 2, 68799 Reilingen, Germany		GERMANY

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Nicolas KERSCHER		2015-06-08
ADDRESS		CITIZENSHIP
Brennauer Str 42E D-76139 Karlsruhe		Germany

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Karl Stellwagen		2015-06-08
ADDRESS		CITIZENSHIP
Siebenpfluckerstr. 38 67227 Frankenthal		Germany

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Christian DREXEL	ASSIGNOR'S SIGNATURE 	DATE 2014-10-02
ADDRESS Tilsiter Str. 7, 67245 Lambsheim, Germany		CITIZENSHIP GERMANY

1. WITNESS NAME Klaus KERSNER	WITNESS SIGNATURE 	DATE 2014-10-02
ADDRESS Bismarckstr 12E D-76189 Karlsruhe		CITIZENSHIP DE

2. WITNESS NAME Dilan Balcan	WITNESS SIGNATURE 	DATE 2014-10-27
ADDRESS Speyerstr 109a D-67117 Umbugshof		CITIZENSHIP Germany

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Manfred RAPP	ASSIGNOR'S SIGNATURE <i>Manfred Rapp</i>	DATE 2.10.2014
ADDRESS Erlengrund 13, 76698 Ubstadt-Weiher, Germany		CITIZENSHIP GERMANY

1. WITNESS NAME Nicola KERSCHER	WITNESS SIGNATURE <i>N. Kersch</i>	DATE 2014-10-2
ADDRESS Breschauer Str 42E D-76139 Karlsruhe		CITIZENSHIP DE

2. WITNESS NAME Dion Balaban	WITNESS SIGNATURE <i>D. Bal</i>	DATE 2014-10-27
ADDRESS Speyerstr. 49a 67117 Limburgerhof		CITIZENSHIP Germany