

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5115951

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AHMED KHALIL	08/28/2018
CARLOS NINO BARON	08/28/2018
CHAD BREWER	08/28/2018
JACKSON WAI	08/28/2018
YASH BHATIA	08/28/2018
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	510 LAKE COOK ROAD
Internal Address:	SUITE 100
City:	DEERFIELD
State/Country:	ILLINOIS
Postal Code:	60015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16115148
CORRESPONDENCE DATA	
Fax Number:	(571)432-0808
<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:	5714320800
Email:	kpaige@harrityllp.com
Correspondent Name:	HARRITY AND HARRITY LLP
Address Line 1:	11350 RANDOM HILLS ROAD
Address Line 2:	SUITE 600
Address Line 4:	FAIRFAX, VIRGINIA 22030
ATTORNEY DOCKET NUMBER:	18-0415-68092
NAME OF SUBMITTER:	PETER B. GLASER
SIGNATURE:	/Peter B. Glaser, Reg. No. 71,371 /
DATE SIGNED:	08/29/2018

Total Attachments: 6

source=18-0415-68092 Assignment#page1.tif

source=18-0415-68092 Assignment#page2.tif

source=18-0415-68092 Assignment#page3.tif

source=18-0415-68092 Assignment#page4.tif

source=18-0415-68092 Assignment#page5.tif

source=18-0415-68092 Assignment#page6.tif

ASSIGNMENT

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

OPTIMIZED SWITCHED RELUCTANCE PHASE CURRENT CONTROL IN A CONTINUOUS CONDUCTION MODE

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

WHEREAS, **Caterpillar Inc., a corporation of Delaware** whose post office address is **510 Lake Cook Road, Suite 100, Deerfield IL 60015 US** (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;

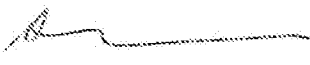
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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;

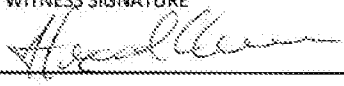
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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;

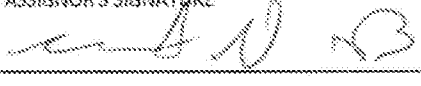
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (United States Application No. 16/115,148, filed August 28, 2018).

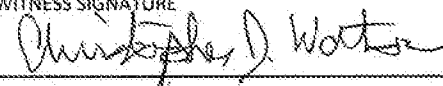
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

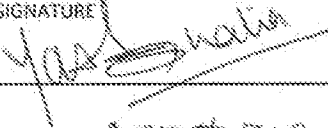
1. FULL NAME OF FIRST ASSIGNOR Ahmed KHALIL	ASSIGNOR'S SIGNATURE 	DATE 8/28/18
ADDRESS 2920 W. School Street, Dunlap, IL 61525 US		CITIZENSHIP Egypt

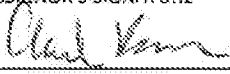
1. WITNESS NAME SASAN ABAIL	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 2900 W School St. Dunlap IL 61525		CITIZENSHIP CANADA


WITNESS NAME Alexander Cissman	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 300 W Westfield Cr, Dunlap, IL 61525		CITIZENSHIP USA

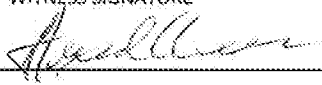
2. FULL NAME OF SECOND ASSIGNOR Carlos NINO BARON	ASSIGNOR'S SIGNATURE 	DATE 28 Aug 2018
ADDRESS 6103 W. Clairemont CT, Edwards, IL 61528 US		CITIZENSHIP USA


1. WITNESS NAME Christopher J Watson	WITNESS SIGNATURE 	DATE 8/28/2018
ADDRESS 1300 Coventry Dr. Washington IL 61571		CITIZENSHIP USA


2. WITNESS NAME YASH BHATIA	WITNESS SIGNATURE 	DATE 28 th AUG '2018
ADDRESS 8909 N- SCRIMSHAW DR. APT # 302 PEORIA IL (61615)		CITIZENSHIP INDIA

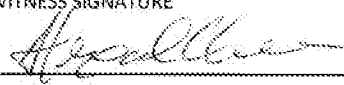
3. FULL NAME OF THIRD ASSIGNOR Chad BREWER	ASSIGNOR'S SIGNATURE 	DATE 8-28-18
ADDRESS 2427 West Heading Ave, West Peoria, IL 61604 US		CITIZENSHIP USA


1. WITNESS NAME SAJAN AZMIL	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 2900W School St, Downers Grove, IL 61825		CITIZENSHIP CANADA

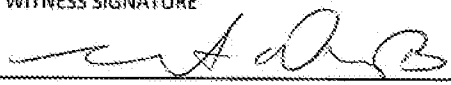
2. WITNESS NAME Alexander Cresman	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 316 W Westfield Gr, Downers Grove, IL 61825		CITIZENSHIP USA


4. FULL NAME OF THIRD ASSIGNOR Jackson WAI	ASSIGNOR'S SIGNATURE 	DATE 8/28/18
ADDRESS 11521 N Dunmore, Dunlap, IL 61525 US		CITIZENSHIP Singapore

1. WITNESS NAME SAJANI ABUL	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 2900 W School St, Dunlap, IL 61525		CITIZENSHIP CANADA

2. WITNESS NAME Alexander Crosman	WITNESS SIGNATURE 	DATE 8/28/18
ADDRESS 316 W Westfield Cr, Dunlap, IL 61525		CITIZENSHIP USA

5. FULL NAME OF THIRD ASSIGNOR Yash BHATIA	ASSIGNOR'S SIGNATURE 	DATE 28 th Aug '2018
ADDRESS 8909 N Scrimshaw Dr., Woods Age Apartment #302, Peoria, IL 61615 US		CITIZENSHIP India

1. WITNESS NAME Carlos E Nino	WITNESS SIGNATURE 	DATE 28 Aug 2018
ADDRESS 6103 W. Clairmont C6 Edwardsville IL 61528		CITIZENSHIP USA

2. WITNESS NAME Sean C Landers	WITNESS SIGNATURE 	DATE 28 Aug 2018
ADDRESS 15409 Willow Creek Rd, Elmwood, IL 61529		CITIZENSHIP US