505841095 12/30/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. GREEN	07/12/2017

RECEIVING PARTY DATA

Name:	PERKINS ENGINES COMPANY LIMITED
Street Address:	FRANK PERKINS WAY, EASTFIELD
City:	PETERBOROUGH
State/Country:	UNITED KINGDOM
Postal Code:	PE1 5FQ

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16627500

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: tmorales@millermatthiashull.com

Correspondent Name: MILLER, MATTHIAS & HULL LLP/ CATERPILLAR

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Address Line 2: SUITE 2350

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ATTORNEY DOCKET NUMBER:	50100/17-0643-73735
NAME OF SUBMITTER:	THOMAS A. MILLER
SIGNATURE:	/thomas a. miller/
DATE SIGNED:	12/30/2019

Total Attachments: 2

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PATENT 505841095 REEL: 051446 FRAME: 0371

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. **P1540**899**800** Client Ref. No. **17-0643**

ASSIGNMENT

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

ENGINE MONITORING

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

WHEREAS. Perkins Engines Company Limited, a corporation of England and Wales, whose post office address is Frank Perkins Way, Peterborough PE1 5FQ United Kingdom (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

1. FULL NAWE OF SOLE OR FIRST ASSISTOR	ASSIGNORS SIGNATURE	DATE
CHRISTOPHER J GREEN	C. C.	12/07/17
ADDRESS 10 Beluga Close, Peterborough, Cambridgeshire, PE2 8NE, United Kingdom		CITIZENSHIP BRITISH

Page 1 of 2

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. **P154088GB00** Client Ref. No. **17-0643**

1. WITHERS NAME THENCES SPECIALISM	WITNESS SIGNATURE	DATE 12/7/17
ABORESS SE PETER SOMOR BOAD. EY	6, 178, 348	CITIZENSHIP \$23.71578
2 WITNESS NAME	WITNESS SIGNATURE	DATE LOCALIZATION
THOMAS FRANKLIN	All the same of th	12/7/17
acnores	XCYWESTON, STAMFORD	1217/17 CITIZENSHIP

RECORDED: 12/30/2019