502843356 06/09/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN HARTLAND	04/16/2014

RECEIVING PARTY DATA

Name:	Jaguar Land Rover Limited	
Street Address:	Abbey Road	
City:	Whitley, Coventry	
State/Country:	UNITED KINGDOM	
Postal Code:	CV3 4LF	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14348112

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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ATTORNEY DOCKET NUMBER:	67582-030PUS1	
NAME OF SUBMITTER:	DAVID J. GASKEY	
SIGNATURE:	/David J. Gaskey/	
DATE SIGNED:	06/09/2014	

Total Attachments: 2

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PATENT 502843356 REEL: 033057 FRAME: 0970

ASSIGNMENT AND AGREEMENT

For value received, I, Jonathan Hartland, clo Jaguar Land Rover, Patent Department W/1/073, Abbey Road, Whitley, Coventry, Warwickshire CV3 4LF, UK hereby sell, assign and transfer to Jaguar Land Rover Limited a corporation of the State of Delaware, having an office at Abbey Road, Whitley, Coventry, CV3 4LF, UK, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to APPARATUS AND METHOD FOR FILTERING ENGINE EXHAUST GASES, which is disclosed in a Utility Application for United States Letters Patent filed March 28, 2014, and identified as United States Patent Application Serial No. 14/348,112, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Jaguar Land Rover Limited the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Jaguar Land Rover Limited to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Jaguar Land Rover Limited to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Jaguar Land Rover Limited in the United States and in all countries foreign to the United States, or to such nominees as Jaguar Land Rover Limited may designate.

PATENT REEL: 033057 FRAME: 0971 I agree that, when requested, I shall, without charge to Jaguar Land Rover Limited but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Janothan Hartland

Date: 16/4/14

Jaguar Land Rover Limited Abbey Road Whitley, Coventry CV3 4LF, UK

> PATENT REEL: 033057 FRAME: 0972

RECORDED: 06/09/2014