

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3340076

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ROBERT T. DUGE	01/03/2012
RECEIVING PARTY DATA		
Name:	ROLLS-ROYCE CORPORATION	
Street Address:	2001 S. TIBBS AVENUE	
Internal Address:	MAIL DROP U27	
City:	INDIANAPOLIS	
State/Country:	INDIANA	
Postal Code:	46241	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	13336736
CORRESPONDENCE DATA		
Fax Number:	(317)636-1507	
<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:	317-636-4341	
Email:	ipdocketing@iplegal.com	
Correspondent Name:	KRIEG DEVAULT LLP	
Address Line 1:	ONE INDIANA SQUARE	
Address Line 2:	SUITE 2800	
Address Line 4:	INDIANAPOLIS, INDIANA 46204	
ATTORNEY DOCKET NUMBER:	RORO-1489	
NAME OF SUBMITTER:	PAUL R. STEFFES	
SIGNATURE:	/Paul R. Steffes/	
DATE SIGNED:	05/05/2015	
Total Attachments: 3		
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ASSIGNMENT

WHEREAS, Robert T. Duge of 11720 Windpointe Pass, Carmel, IN 46033, hereinafter referred to as Assignor, has made one or more new and useful inventions in ENGINE LIQUID INJECTION for which Assignor has made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Rolls-Royce Corporation, hereinafter referred to as Assignee, a corporation of the State of Delaware, having a principal place of business at 2001 S. Tibbs Avenue, Mail Drop U27, Indianapolis, Indiana 46241, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application entitled ENGINE LIQUID INJECTION, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor acknowledges that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignor hereby authorizes Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

- (a) Execution Date of the Application: January 3, 2012
- (b) Patent Office Number of the Application: 13/336,736
- (c) Filing Date of the Application: December 23, 2011

Assignor hereby authorizes and requests the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hand this 3 day of January, 2011².

Robert T. Duge
Robert T. Duge

STATE OF INDIANA)
) : SS
COUNTY OF MARION)

Before me, a Notary Public, in and for said County and State, personally appeared Robert T. Duge, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 3 day of January, 2011².

Cynthia A. Baxter
Notary Public

Printed: Cynthia A. Baxter

Resident of Johnson County

My Commission Expires:

September 25, 2015