

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
CFD RESEARCH CORPORATION		10/29/2013
RECEIVING PARTY DATA		
Name:	ROLLS-ROYCE PLC	
Street Address:	65 BUCKINGHAM GATE	
City:	LONDON	
State/Country:	UNITED KINGDOM	
Postal Code:	SW1E 6AT	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Patent Number:	6272840	
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Signature:	/Douglas P. LaLone/	
Date:	11/07/2013	
Total Attachments: 1 source=R1173073#page1.tif		

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, CFD Research Corporation ("Assignor"), an Alabama corporation, does hereby SELL, CONVEY, ASSIGN, and TRANSFER to Rolls-Royce plc ("Assignee"), a corporation organized under the laws of England, the entire right, title and interest to its intellectual property throughout the world in the invention

PILOTED AIRBLAST LEAN DIRECT FUEL INJECTOR

for which a United States patent application was filed on or about August 29, 2000, Serial Number 09/649,518, and which issued as United States Patent No. 6,272,840 on August 14, 2001, including all re-examinations and reissues thereof, and any applications and recognitions of rights related thereto, together with all rights to recover damages and profits, due or accrued, arising out of past infringements of the above-mentioned patent, and the right to sue for and collect the same;

Further, Assignor warrants and covenants that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned, as more fully set forth in the parties' underlying Patent Assignment and Purchase Agreement made effective as of the 31st day of October, 2013; and

This Assignment shall be binding on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee. This Assignment shall be governed by, construed and enforced in accordance with the laws of the State of New York, without application of principles of conflict of laws.

CFD RESEARCH CORPORATION

By: Vincent J. Harrand
Vincent J. Harrand, Ph.D.
Its: VP/ Tech Commercialization and IP

Acknowledged:
ROLLS-ROYCE PLC

By: [Signature]
Its: RICHARD NORTH, HEAD OF IP

STATE OF ALABAMA
COUNTY OF MADISON

BEFORE ME, the undersigned authority, on this 29th day of October, 2013, personally appeared Vincent J. Harrand, Ph.D., known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will as Vice President of CFD Research Corporation, for the purposes and consideration therein expressed.

My commission expires: 7/20/14

[Signature]
NOTARY PUBLIC