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NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ATA				
		Name	Execution Date		
DARRELL J. GOODWIN			12/06/2019		
RECEIVING PARTY DA	TA				
Name:	ROLLS	-ROYCE CORPORATION			
Street Address:	450 S.	450 S. MERIDIAN STREET			
City:	INDIA	INDIANAPOLIS			
State/Country:	INDIA	IA			
Postal Code:	46225				
PROPERTY NUMBERS Total: 1 Property Type		Number]		
		16707081	-		
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CORRESPONDENCE D	ΑΤΑ				
Fax Number:		(317)231-7433			
		o the e-mail address first; if that is un I; if that is unsuccessful, it will be sei			
Email:	lovide	aholt@btlaw.com			
		BARNES & THORNBURG LLP			
		11 S. MERIDIAN STREET	MERIDIAN STREET		
Address Line 4:		INDIANAPOLIS, INDIANA 46204			
ATTORNEY DOCKET NUMBER:		27163-299668/RCA12413	27163-299668/RCA12413		
NAME OF SUBMITTER:		SAMUEL C. GIESTING	SAMUEL C. GIESTING		
SIGNATURE:		/SCG/	/SCG/		
DATE SIGNED:		10/11/0010	12/11/2019		
DATE SIGNED:		12/11/2019			
DATE SIGNED: Total Attachments: 1		12/11/2019			

Attorney Docket No. 27163-299668 Client Reference No. RCA12413

ASSIGNMENT FOR SINGLE ASSIGNEE

This document is directed to:

 $\overline{\boxtimes}$ the attached patent document(s) and/or

the below identified patent document(s):

DOCUMENT	TITLE	FILED
NUMBER		
	HIGH CYCLE FATIGUE DESIGN FOR GAS TURBINE	
16/707,081	ENGINES	12/9/2019

WHEREAS, Rolls-Royce Corporation

(hereinafter "ASSIGNEE"), having a place of business at corporation 450 S. Meridian Street, Indianapolis, IN 46225

is desirous of acquiring the entire right, title, and interest in and to the above-referenced patent document(s), all priority patent application(s) related to the above-referenced patent document(s), and/or all subject matter disclosed in the above-referenced patent document(s) and/or the related priority patent application(s) (hereinafter "INTELLECTUAL PROPERTY"), and further in and to any Letters Patent granted from the INTELLECTUAL PROPERTY worldwide;

NOW, THEREFORE, for good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, assign, and set over to ASSIGNEE, the full and exclusive right to the INTELLECTUAL PROPERTY worldwide (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the application) and the entire right, title, and interest in and to any and all Letters Patent granted on the INTELLECTUAL PROPERTY worldwide and in and to any and all divisionals, reissues, continuations, substitutions, and renewals thereof.

I hereby authorize and request the Patent Office officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of the Letters Patent, when granted, to ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and benefit of ASSIGNEE, its successors and assigns, to the full end of the term for which the Letters Patent are granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made and hereby covenants that I have full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

Further, I agree to communicate to ASSIGNEE or its representatives any facts known to me regarding the INTELLECTUAL PROPERTY, and will testify in any legal proceeding regarding the INTELLECTUAL PROPERTY, cooperate in every way possible in obtaining evidence in support of rights associated with INTELLECTUAL PROPERTY. I agree to execute all papers for divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to ASSIGNEE, make all rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the INTELLECTUAL PROPERTY worldwide.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this assignment.

RECORDED: 12/11/2019	PATENT REEL: 051248 FRAME: 0385
DMS 12368025v1	
Signature: Darrell J. Goodwin	12/6/2019 Date:
LEGAL NAME OF INVENTOR: Darrell J.	. Goodwin

RECORDED: 12/11/2019