PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID J. THOMAS	12/16/2019
JEFFREY A. WALSTON	12/16/2019
AARON D. SIPPEL	12/18/2019
DANIEL K. VETTERS	12/20/2019

RECEIVING PARTY DATA

Name:	ROLLS-ROYCE CORPORATION
Street Address:	450 S. MERIDIAN STREET
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46225

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16723183

CORRESPONDENCE DATA

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Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	27163-299037/RCA12436
NAME OF SUBMITTER:	SAMUEL C. GIESTING
SIGNATURE:	/SCG/
DATE SIGNED:	08/23/2021

Total Attachments: 4

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PATENT 506830383 REEL: 057253 FRAME: 0598

	Attorney Docket No. 27163-2 Client Reference No. RCA	
	ASSIGNMENT FOR SINGLE ASSIGNEE	
This document is directed to: the attached patent document the below identified patent		
DOCUMENT NUMBER	TITLE	FILED
16/723,183	TURBINE SHROUD ASSEMBLY WITH MULTI-PIECE SUPPORT FOR CERAMIC MATRIX COMPOSITE MATERIAL SEAL SEGMENTS	12/20/2019
WHEREAS, Rolls-Royce Corp a corporation 450 S. Meridian Street, Inc	(hereinafter "ASSIGNEE"), having a place of business	at
is desirous of acquiring the entire r patent application(s) related to the above-referenced patent documented PROPERTY"), and further in and to NOW, THEREFORE, for good and assign, and set over to ASSIGNEE (including the right to claim priority Treaties and Arrangements from the	right, title, and interest in and to the above-referenced patent document(s), and/or all subject matter of (s) and/or the related priority patent application(s) (hereinafter "to any Letters Patent granted from the INTELLECTUAL PROPER dynamics valuable consideration, the sufficiency of which is acknowledge, the full and exclusive right to the INTELLECTUAL PROPER by under the terms of the International Convention and other release application) and the entire right, title, and interest in and to an "UAL PROPERTY worldwide and in and to any and all division"	disclosed in the INTELLECTUAL ERTY worldwide; ged, I hereby sell, TY worldwide evant International ny and all Letters
all foreign countries to issue any ar right, title, and interest in and to the full end of the term for which the L me had this assignment and sale no	Patent Office officials in the United States and its territorial posted all of the Letters Patent, when granted, to ASSIGNEE as the e same, for the sole use and benefit of ASSIGNEE, its successor Letters Patent are granted, as fully and entirely as the same would be been made and hereby covenants that I have full right to convenant of the executed, and will not execute, any agreement in conflict	assignee of my entire rs and assigns, to the d have been held by ey the interest herein
INTELLECTUAL PROPERTY, at cooperate in every way possible in PROPERTY. I agree to execute all execute all necessary assignment prightful oaths, and generally do every proper protection for the INTELLE		TUAL PROPERTY, LECTUAL ssue applications, SSIGNEE, make all to obtain and enforce
	d the power to insert on this assignment any further identification omply with the rules of the United States Patent and Trademark	
LEGAL NAME OF INVENTOR	: David J. Thomas	***************************************
Signature: David J. Thomas	Date:	
DMS 12368025vI	ΡΔΤ	ENT

REEL: 057253 FRAME: 0599

		Attorney Docket No. 27163-2	 299037
		Client Reference No. RCA	
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assign, (includ Treatie Patent	and set over to ASSIGNEE, ling the right to claim priority is and Arrangements from the	valuable consideration, the sufficiency of which is acknowledge the full and exclusive right to the INTELLECTUAL PROPER under the terms of the International Convention and other relevant application) and the entire right, title, and interest in and to an UAL PROPERTY worldwide and in and to any and all division newals thereof.	TY worldwide want International y and all Letters
all fore right, ti full end me had	ign countries to issue any and itle, and interest in and to the dof the term for which the Last this assignment and sale not	Patent Office officials in the United States and its territorial post dall of the Letters Patent, when granted, to ASSIGNEE as the same, for the sole use and benefit of ASSIGNEE, its successor etters Patent are granted, as fully and entirely as the same would been made and hereby covenants that I have full right to converse not executed, and will not execute, any agreement in conflict	assignee of my entire is and assigns, to the d have been held by ey the interest herein
INTEL cooper PROPI execute rightfu	LECTUAL PROPERTY, and ate in every way possible in CERTY. I agree to execute all all necessary assignment pall oaths, and generally do ever	ASSIGNEE or its representatives any facts known to me regard d will testify in any legal proceeding regarding the INTELLEC obtaining evidence in support of rights associated with INTELI papers for divisional, continuation, substitute, renewal, and reipers to cause any and all of the Letters Patent to be issued to A rything possible to aid ASSIGNEE, its successors and assigns, CTUAL PROPERTY worldwide.	TUAL PROPERTY, ECTUAL ssue applications, SSIGNEE, make all
necessa		I the power to insert on this assignment any further identification of the United States Patent and Trademark	
LEGA	L NAME OF INVENTOR:	Jeffrey A. Walston	
Signat	ure:Docusigned by: Uffry d. Walston	Λ 12/16/2019 Date:	
DMS 1236		PATI	

REEL: 057253 FRAME: 0600

	Attorney Docket No. 27163-2	 299037
	Client Reference No. RCA	
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16/723,183	TURBINE SHROUD ASSEMBLY WITH MULTI-PIECE SUPPORT FOR CERAMIC MATRIX COMPOSITE MATERIAL SEAL SEGMENTS	12/20/2019
WHEREAS, Rolls-Royce Corp a corporation 450 S. Meridian Street, Inc	(hereinafter "ASSIGNEE"), having a place of business	at .
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assign, and set over to ASSIGNEE, (including the right to claim priority Treaties and Arrangements from the	I valuable consideration, the sufficiency of which is acknowled, the full and exclusive right to the INTELLECTUAL PROPER y under the terms of the International Convention and other rele e application) and the entire right, title, and interest in and to an UAL PROPERTY worldwide and in and to any and all division newals thereof.	TY worldwide evant International by and all Letters
all foreign countries to issue any an right, title, and interest in and to the full end of the term for which the L me had this assignment and sale no	Patent Office officials in the United States and its territorial posed all of the Letters Patent, when granted, to ASSIGNEE as the esame, for the sole use and benefit of ASSIGNEE, its successor etters Patent are granted, as fully and entirely as the same would be been made and hereby covenants that I have full right to convenants not executed, and will not execute, any agreement in conflict	assignee of my entire rs and assigns, to the d have been held by ey the interest herein
INTELLECTUAL PROPERTY, and cooperate in every way possible in PROPERTY. I agree to execute all execute all necessary assignment page.	ASSIGNEE or its representatives any facts known to me regard will testify in any legal proceeding regarding the INTELLEC obtaining evidence in support of rights associated with INTELI papers for divisional, continuation, substitute, renewal, and reigners to cause any and all of the Letters Patent to be issued to Astrything possible to aid ASSIGNEE, its successors and assigns, ECTUAL PROPERTY worldwide.	TUAL PROPERTY, LECTUAL ssue applications, SSIGNEE, make all
	d the power to insert on this assignment any further identification omply with the rules of the United States Patent and Trademark	
LEGAL NAME OF INVENTOR	: Aaron D. Sippel	
DocuSigned by: Aaron D. Sippel Signature:		
DMS 12368025v1	PAT	FNT

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		Attorney Docket No. 27163-2 Client Reference No. RCA	
		ASSIGNMENT FOR SINGLE ASSIGNEE	
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WHER	REAS, <u>Rolls-Royce Co</u> corporation 450 S. Meridian Street, I	(hereinafter "ASSIGNEE"), having a place of business	at
patent above-reproper NOW, assign, (includ Treatie Patent continu. I hereball fore right, tifull end me had assigned Further INTEL cooper PROPE execute rightful	application(s) related to the referenced patent documer ERTY"), and further in and THEREFORE, for good a and set over to ASSIGNE ling the right to claim prior and Arrangements from granted on the INTELLEC uations, substitutions, and it is a substitution, and it is a substitution and to to the term for which the it this assignment and sale is ed, and that the undersigner, I agree to communicate to LECTUAL PROPERTY, rate in every way possible is ERTY. I agree to execute a call necessary assignment I oaths, and generally do e	right, title, and interest in and to the above-referenced patent doce above-referenced patent document(s), and/or all subject matter of the above-referenced patent document(s), and/or all subject matter of the subject of the related priority patent application(s) (hereinafter "I to any Letters Patent granted from the INTELLECTUAL PROPER and valuable consideration, the sufficiency of which is acknowled E, the full and exclusive right to the INTELLECTUAL PROPER ity under the terms of the International Convention and other refet the application) and the entire right, title, and interest in and to an TUAL PROPERTY worldwide and in and to any and all division renewals thereof. The Patent Office officials in the United States and its territorial post and all of the Letters Patent, when granted, to ASSIGNEE as the he same, for the sole use and benefit of ASSIGNEE, its successor Letters Patent are granted, as fully and entirely as the same would not been made and hereby covenants that I have full right to convid has not executed, and will not execute, any agreement in conflict to ASSIGNEE or its representatives any facts known to me regard and will testify in any legal proceeding regarding the INTELLEC in obtaining evidence in support of rights associated with INTELIall papers for divisional, continuation, substitute, renewal, and rei papers to cause any and all of the Letters Patent to be issued to Averything possible to aid ASSIGNEE, its successors and assigns, LECTUAL PROPERTY worldwide.	disclosed in the INTELLECTUAL ERTY worldwide; ged, I hereby sell, TY worldwide evant International by and all Letters hals, reissues, sessions and any and assignee of my entire and assigns, to the d have been held by ey the interest hereing therewith. Ling the TUAL PROPERTY, LECTUAL ssue applications, SSIGNEE, make all
necessa recorda	ary or desirable in order to ation of this assignment.	ord the power to insert on this assignment any further identification comply with the rules of the United States Patent and Trademark	-
LEGA Signat	DocuSigned by:	R: Daniel K. Vetters 12/20/2019 Date:	
DMS 1236	68025v1		

RECORDED: 08/23/2021 REEL: 057253 FRAME: 0602

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