PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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AARON D. SIPPEL	05/20/2021
DAVID J. THOMAS	05/21/2021

RECEIVING PARTY DATA

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State/Country:	INDIANA
Postal Code:	46225

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17330159	

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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:	27163-337540
NAME OF SUBMITTER:	JOHN T. ROUTON
SIGNATURE:	/JTR/
DATE SIGNED:	02/17/2022

Total Attachments: 3

source=2021P00167_US_20220217_27163_337540_Assignment#page1.tif source=2021P00167 US 20220217 27163 337540 Assignment#page2.tif source=2021P00167 US 20220217 27163 337540 Assignment#page3.tif

PATENT REEL: 059029 FRAME: 0515 507134001

		Attorney Docket No. 27163-3 Client Reference No. 202	
		ASSIGNMENT FOR SINGLE ASSIGNEE	
This do	cument is directed to: the attached patent docur the below identified pate		
	DOCUMENT NUMBER	TITLE	FILED
		TURBINE SHROUD ASSEMBLY WITH AXIALLY BIASED PIN AND SHROUD SEGMENT	
WHER	EAS, Rolls-Royce Co corporation 450 S. Meridian Street, I	(hereinafter "ASSIGNEE"), having a place of business	at ,
patent a above-r	ous of acquiring the entire application(s) related to the eferenced patent documents.	right, title, and interest in and to the above-referenced patent document(s), and/or all subject matter of at(s) and/or the related priority patent application(s) (hereinafter "I to any Letters Patent granted from the INTELLECTUAL PROP	disclosed in the INTELLECTUAL
assign, (includi Treaties Patent g	and set over to ASSIGNE ng the right to claim prior and Arrangements from	nd valuable consideration, the sufficiency of which is acknowled E, the full and exclusive right to the INTELLECTUAL PROPER rity under the terms of the International Convention and other relet 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.	TY worldwide evant International by and all Letters
all forei right, tit full end me had	gn countries to issue any tele, and interest in and to to of the term for which the this assignment and sale in	e 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	assignee of my entire rs and assigns, to the d have been held by ey the interest herein
INTELI coopera PROPE execute rightful	LECTUAL PROPERTY, tte in every way possible i RTY. I agree to execute a all necessary assignment oaths, and generally do e	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 INTELI all papers for divisional, continuation, substitute, renewal, and rei papers to cause any and all of the Letters Patent to be issued to A verything possible to aid ASSIGNEE, its successors and assigns, LECTUAL PROPERTY worldwide.	TUAL PROPERTY, LECTUAL ssue applications, SSIGNEE, make all
necessa		ord the power to insert on this assignment any further identification comply with the rules of the United States Patent and Trademark	
LEGA	L NAME OF INVENTO	R: Ted J. Freeman	
Signatu	DocuSigned by: Tel J. Fru DE 1601461077997	man Date: 5/19/2021	
DMS 12368		PATI	

REEL: 059029 FRAME: 0516

		Attorney Docket No. 27163-3 Client Reference No. 202	
		ASSIGNMENT FOR SINGLE ASSIGNEE	
This doo	cument is directed to: the attached patent docu the below identified pate		
	DOCUMENT NUMBER	TITLE	FILED
		TURBINE SHROUD ASSEMBLY WITH AXIALLY BIASED PIN AND SHROUD SEGMENT	
	EAS, Rolls-Royce Co	(hereinafter "ASSIGNEE"), having a place of business	at ,
patent apabove-re	pplication(s) related to the eferenced patent docume	e right, title, and interest in and to the above-referenced patent document (s), and/or all subject matter ont(s) and/or the related priority patent application(s) (hereinafter "d to any Letters Patent granted from the INTELLECTUAL PROPERTY.	disclosed in the INTELLECTUAL
assign, a (including Treaties Patent g	and set over to ASSIGNI ng the right to claim prio and Arrangements from	and valuable consideration, the sufficiency of which is acknowledge, the full and exclusive right to the INTELLECTUAL PROPER with under the terms of the International Convention and other release the application) and the entire right, title, and interest in and to an CTUAL PROPERTY worldwide and in and to any and all division renewals thereof.	TY worldwide evant International ny and all Letters
all foreight, tit full end me had	gn countries to issue any le, and interest in and to of the term for which the this assignment and sale	the Patent Office officials in the United States and its territorial post and all of the Letters Patent, when granted, to ASSIGNEE as the the same, for the sole use and benefit of ASSIGNEE, its successore Letters Patent are granted, as fully and entirely as the same would not been made and hereby covenants that I have full right to convert has 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
INTELI coopera PROPE execute rightful	LECTUAL PROPERTY, te in every way possible RTY. I agree to execute all necessary assignment oaths, and generally do e	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 INTELI all papers for divisional, continuation, substitute, renewal, and reit papers to cause any and all of the Letters Patent to be issued to A everything possible to aid ASSIGNEE, its successors and assigns, LECTUAL PROPERTY worldwide.	CTUAL PROPERTY, LECTUAL issue applications, ASSIGNEE, make all
necessar		cord the power to insert on this assignment any further identification comply with the rules of the United States Patent and Trademark	
LEGAI	L NAME OF INVENTO	DR: <u>Aaron D. Sippel</u>	
Signatu	Docusigned by: Aaron D. S	Sippel Date: 5/20/2021	
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REEL: 059029 FRAME: 0517

				Docket No. <u>27163-3</u> eference No. <u>202</u>	337540 1ID00167
		ASSIGNMENT	FOR SINGLE ASSIG	NEE	
This do	ocument is directed to: the attached patent doce the below identified pate				
	DOCUMENT NUMBER	TITLE			FILED
			ROUD ASSEMBLY ND SHROUD SEGME		
WHER	REAS, Rolls-Royce C corporation 450 S. Meridian Street,	(hereinafte	er_"ASSIGNEE"), havir	g a place of business	at ,
oatent above-proper NOW, assign, include Treatie	rous of acquiring the entinapplication(s) related to the referenced patent docume ERTY"), and further in an arrangement of the right to claim prices and Arrangements from granted on the INTELLE pations, substitutions, and	the above-referenced pent(s) and/or the relate and to any Letters Paten and valuable considerable, the full and exclusority under the terms on the application) and termination of the CTUAL PROPERTY	atent document(s), and d priority patent applicate at granted from the INT ation, the sufficiency of sive right to the INTEL of the International Contraction	for all subject matter of the fittion of the fittion of the fittion of the fitting of the fittin	disclosed in the INTELLECTUAL ERTY worldwide; ged, I hereby sell, TY worldwide evant International my and all Letters
I hereball fore right, ti full end me had	by authorize and request the ign countries to issue any itle, and interest in and to d of the term for which the this assignment and sale ed, and that the undersign	ne Patent Office officing and all of the Letters the same, for the sole e Letters Patent are gr not been made and he	Patent, when granted, use and benefit of ASS anted, as fully and entirereby covenants that I have	o ASSIGNEE as the IGNEE, its successorely as the same woul ave full right to conv	assignee of my entires and assigns, to the dhave been held by ey the interest herei
INTEL cooper PROPI execute	r, I agree to communicate LECTUAL PROPERTY rate in every way possible ERTY. I agree to execute all necessary assignment oaths, and generally do protection for the INTEL	, and will testify in any in obtaining evidence all papers for division t papers to cause any a everything possible to	y legal proceeding regation in support of rights assumed, continuation, substant all of the Letters Paraid ASSIGNEE, its such	rding the INTELLEC lociated with INTELI tute, renewal, and rei tent to be issued to A	CTUAL PROPERTY LECTUAL issue applications, SSIGNEE, make al
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RECORDED: 02/17/2022 REEL: 059029 FRAME: 0518