

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RANDOLPH C. HELMINK	01/10/2015
RECEIVING PARTY DATA		
Name:	ROLLS-ROYCE CORPORATION	
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City:	INDIANAPOLIS	
State/Country:	INDIANA	
Postal Code:	46225	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14456424	
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<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>		
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NAME OF SUBMITTER:	SAMUEL	
SIGNATURE:	/SCG/	
DATE SIGNED:	01/15/2015	
Total Attachments: 2		
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U.S./EP PATENT APPLICATION
ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 27163-225393, -230256, -230257
Client Reference No.: LWA10994

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned,

Name(s) of Inventor(s) Randolph C. Helmink

Check applicable boxes and enter serial number and date if available maker(s) of an invention which is the subject of a ☒ United States Patent Applications identified as Serial Nos US 61/865181 and US 14/456424 with filing dates of 13 August 2013 and 11 August 2014, respectively, and of a ☒ European Application No. EP 14180694.3, filed 12 August 2014 each entitled

Title of Applications hereinafter (the "Application(s)") COMPOSITE NIOBIUM-BEARING SUPERALLOYS

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee Rolls-Royce Corporation

Address of Assignee Business 450 S. Meridian Street
Indianapolis, Indiana 46225

Insert State of Incorporation (if applicable) or "Not Applicable" a corporation of Delaware

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s), including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominee, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominee the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) 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 document.

IN WITNESS WHEREOF, I have executed this assignment at Avon Indiana
(city and state or country if outside USA)
this 12 day of January, 2015.

Outside the USA: _____
Witnesses are required when acknowledgment before a Notary Public is not feasible. _____
Witness

x Randolph C. Helmink
Inventor (Signature)

Randolph C. Helmink
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF _____ }
COUNTY OF _____ } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal
this _____ day of _____, 2014.

Notary Public

Printed Name

My Commission Expires: _____ Resident of _____ County