

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4769949

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID A. HOWEY	01/08/2018
ADRIEN M. BIZERAY	01/10/2018
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<b>State/Country:</b>	UNITED KINGDOM
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15867193
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<b>ATTORNEY DOCKET NUMBER:</b>	012052.1430
<b>NAME OF SUBMITTER:</b>	THOMAS J. MATIKAINEN
<b>SIGNATURE:</b>	/Thomas J. Matikainen/
<b>DATE SIGNED:</b>	01/10/2018
<b>Total Attachments: 2</b>	
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**COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)**

**DECLARATION**

As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto, or to United States Application Number or PCT International Application Number \_\_\_\_\_ filed on \_\_\_\_\_ (if applicable), entitled:

**METHOD AND APPARATUS ESTIMATING AND CONTROLLING BATTERY STATE**

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

**CONFIRMATORY ASSIGNMENT**

The Assignors confirm having created the invention disclosed in the above patent application (hereinafter "the Invention") under contract with the Assignee and during the course and scope of their employment with the Assignee, and that accordingly, pursuant to the United Kingdom's 1977 Patents Act, the Assignee owns all right, title and interest thereto by operation of law. For confirmatory purposes to allow for the Assignee to record its rights, and to the extent not already vested in the Assignee by operation of law, in consideration of One Pound (£1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a below-named assignor, hereby assign to:

The Chancellor Masters and Scholars of the University of Oxford  
University Offices, Wellington Square  
Oxford OX1 2JD, United Kingdom

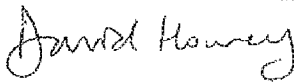
and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest to which we are entitled throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International Application Number 15/867,193 filed on January 10, 2018.

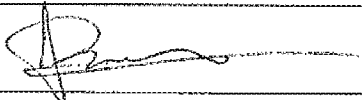
This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-

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identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	David A. HOWEY		
Inventor's Signature		Date	8 <sup>th</sup> Jan 2018
Residence (City, Country)	Oxford, United Kingdom		
Mailing Address	University Offices, Wellington Square, Oxford OX1 2JD, United Kingdom		

Inventor's Legal Name	Adrien M. BIZERAY		
Inventor's Signature		Date	10 <sup>th</sup> January 2018
Residence (City, Country)	Oxford, United Kingdom		
Mailing Address	University Offices, Wellington Square, Oxford OX1 2JD, United Kingdom		