PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4888378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EMMA KENDRICK	01/15/2018
KATHERINE LOUISE SMITH	01/10/2017
JOSHUA CHARLES TREACHER	01/10/2017

RECEIVING PARTY DATA

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Street Address:	1, TAKUMI-CHO, SAKAI-KU, SAKAI CITY,
City:	OSAKA
State/Country:	JAPAN
Postal Code:	590-8522
Name:	FARADION LIMITED
Street Address:	THE INNOVATION CENTRE
Internal Address:	217 PORTOBELLO
City:	SHEFFIELD, SOUTH YORKSHIRE
State/Country:	UNITED KINGDOM
Postal Code:	S14DP

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15764126		

CORRESPONDENCE DATA

Fax Number: (216)621-6165

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.

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ATTORNEY DOCKET NUMBER: HARAP0429WOUS

PATENT REEL: 045376 FRAME: 0419 504841641

NAME OF SUBMITTER:	MICHAEL P. WENDOLOWSKI				
SIGNATURE: /Michael P. Wendolowski/					
DATE SIGNED:	SIGNED: 03/28/2018				
This document serves as an Oath/Declaration (37 CFR 1.63).					
Total Attachments: 6	·				
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> PATENT REEL: 045376 FRAME: 0420

СОМ	BINED DECLAR	ATION AND ASSIGNMENT USII (ORIGINAL, DESIGN, NATIOI				ET (37 CI	FR 1.76)
Title:	Formation Meth	nod for Sodium Ion Cell or Batter	У				
		I. DECLARA	TION				
As a be	low named invent	or or joint inventor, I hereby decla	are that:	Applic	cation No	.: 15/76	4,126
	claration is directe			Filed:	March 2	8, 2018	
(a)	the attached a	application, or					
(b) <u>X</u>	United States	application or PCT international actober 27, 2016	application n	umber	PCT/JP20)16/0047:	35
The abo	ove-identified appl	lication was made or authorized b	by me.				
I believe	e that I am the ori	ginal inventor or an original joint i	nventor of a	claimed	l invention i	n the app	lication.
I hereby	state that I have	reviewed and understand the co	ntents of the	above-	identified ar	plication	
		e duty to disclose to the U.S. Patental		lemark (Office all inf	ormation	known to
I hereby 1001 by	acknowledge the fine or imprisonn	at any willful false statement mad nent of not more than five (5) yea	de in this de rs, or both.	claratior	n is punisha	ible unde	r 18 USC
		PRIORITY CI	LAIM				
for pate other the for pate other the	nt or inventor's co an the United Stat ont or inventor's c an the United Stat	ority benefits under Title 35, Unite ertificate or of any PCT internation tes of America listed below and half ertificate or any PCT internation tes of America filed by me on the shich priority is claimed.	nal applicati ave also ider al applicatio	on(s) de ntified be n(s) des	esignating a elow any for signating at	it least on reign appl t least on	e country lication(s) e country
(c)	no such applic	cation have been filed.					
(d) <u>X</u>	such applicati	ons have been filed as follows.					
		FOREIGN APPLICATION(S), IF ONTHS FOR DESIGN) PRIOR 1				THS	
	COUNTRY	APPLICATION NUMBER	DATE OF (day, mont			ORITY CL ER 35 US	
	GB	1519235.4	30, 10, 2	2015	Х	Yes	No

II. ASSIGNMENT

As a below named assignor, for good and valuable consideration acknowledged and received I hereby sell and assign my entire worldwide right, title and interest in the application and the invention(s), so far as concerns the United States and the Territories and Possessions thereof to:

ASSIGNEE:

(1) SHARP KABUSHIKI KAISHA 1, Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan

(2) FARADION LIMITED
The Innovation Centre, 217 Portobello,
Sheffield, South Yorkshire S14DP
United Kingdom

Including:

any and all related patent application(s) in the United States, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, and other applications based in whole or in part upon the invention(s) or upon the application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for the invention(s) or upon the application(s); and

every priority right that is or may be predicated upon or arise from the invention(s), the application(s) and the Letters Patent.

I additionally authorize the Assignee to file patent applications in my or the Assignee's name for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I hereby covenant that I have the full right to convey the entire interests herein assigned, and that I have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

I agree that each time a request is made, and without undue delay, I will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), the application(s) and the Letters Patent, to the Assignee, its successors or assigns.

I agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

Full Name of Sole or First Inventor and Assignor: KENDRICK, Emma				
Inventor's signature:		Date:	15/01/2018	
	Cherchick		·	
Post Office Address:	c/o SHARP LABORATORIES OF EUROPE,	LTD., Edn	nund Halley Road,	
	Oxford Science Park, Oxford, OX4 4GB, U.k	ζ		
Full Name of Second	Inventor and Assignor: SMITH	/ a th a air	1	
	SWITE	I, Katherine	e Louise	
Inventor's signature:		Date:		
Post Office Address:	c/o SHARP LABORATORIES OF EUROPE,	LTD., Edn	nund Halley Road,	
	Oxford Science Park, Oxford, OX4 4GB, U.k		,	
Full Name of Third In	ventor and Assignor: TREAC	CHER, Jos	hua Charles	
Inventor's signature:		Date:		
Post Office Address:	dress: c/o SHARP LABORATORIES OF EUROPE, LTD., Edmund Halley Road,			
	Oxford Science Park, Oxford, OX4 4GB, U.K			
CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT				
Signature for sixth and subsequent joint inventors and assignors; number of pages added				
Added page to this combined declaration and assignment for divisional, continuation, or continuation-in-part (CIP) application. This combined declaration and assignment ends with this page.				

RENNER OTTO (SHARP))			PATE	NT (US)
COMBINED DECLARA	ATION AND ASSIGNMENT US (ORIGINAL, DESIGN, NATIO			ET (37 CF	R 1.76)
Title: Formation Meth	od for Sodium Ion Cell or Batte	ery			
	I. DECLAR	ATION			
As a below named inventor	or or joint inventor, I hereby de	clare that:			
This declaration is directed	d to:				
(a) the attached ap	oplication, or				
	application or PCT internationationationa	al application number _	PCT/JP2	016/00473	5
The above-identified appli	cation was made or authorized	d by me.			
I believe that I am the orig	inal inventor or an original join	t inventor of a claimed in	nvention	in the appli	cation.
I hereby state that I have r	reviewed and understand the o	contents of the above-id	entified a	pplication.	
	duty to disclose to the U.S. Partability as defined in 37 C.F.R		fice all in	formation k	(nown to
	t any willful false statement m ent of not more than five (5) ye		s punisha	able under	18 USC
	PRIORITY	CLAIM			
for patent or inventor's ce other than the United State for patent or inventor's ce	rity benefits under Title 35, Un ortificate or of any PCT internations of America listed below and ortificate or any PCT internations of America filed by me on the ich priority is claimed.	tional application(s) desi have also identified belo onal application(s) desig	ignating a ow any fo gnating a	at least one reign appli t least one	country cation(s) country
(c) no such application	ation have been filed.				
(d) X such application	ons have been filed as follows.				
	FOREIGN APPLICATION(S), DNTHS FOR DESIGN) PRIOR			ITHS	
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)		ORITY CLA	
GB	1519235.4	30, 10, 2015	X	Yes Yes	No

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(2) FARADION LIMITED The Innovation Centre, 217 Portobello, Sheffield, South Yorkshire S14DP United Kingdom

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I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

Full Name of Sole or First Inventor and Assignor: KENDRICK, Emma					
Inventor's signature:		Date:			
Post Office Address:	c/o SHARP LABORATORIES OF EUROPE, LTD., Edmund Halley Road,				
	Oxford Science Park, Oxford, OX4 4GB, U.	ζ.	MAX. (1977)		
Full Name of Second	Inventor and Assignor: SMITH	I, Katherin	e Louise		
Inventor's signature:	Kelnietk	Date:	1011/17		
Post Office Address:	dress: c/o SHARP LABORATORIES OF EUROPE, LTD., Edmund Halley Road, Oxford Science Park, Oxford, OX4 4GB, U.K.				
<u> </u>					
Full Name of Third In	ventor and Assignor: TREA	CHER, Jos	hua Charles		
Inventor's signature:	JCC	Date:	10/1/17		
Post Office Address:	c/o SHARP LABORATORIES OF EUROPE,	LTD., Edn	mund Halley Road,		
	Oxford Science Park, Oxford, OX4 4GB, U.h	ζ,			
CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT					
Signature for sixth and subsequent joint inventors and assignors; number of pages added					
Added page to this combined declaration and assignment for divisional, continuation, or continuation-in-part (CIP) application. X This combined declaration and assignment ends with this page.					