504487147 08/03/2017

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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VEDASRI VEDHARATHINAM	08/01/2017
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15667814

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ATTORNEY DOCKET NUMBER: 20170043US02 -XER3418US01

NAME OF SUBMITTER: MARK D. KLINKO

SIGNATURE: /Mark D. Klinko/

DATE SIGNED: 08/03/2017

Total Attachments: 1

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PATENT 504487147 REEL: 043184 FRAME: 0939

Attorney File No.: 20170043US02-XER3418US01

ASSIGNMENT

The	und	lersigne	d is/are	the nam	ed invento	r(s) (the	"Invento	r(s)")	on	a United	States	patent	applica	ation
entit	lea	METH	OD FOI	R TRANS	SPORTING	NITRID	E IONS	IN	AN	ELECTE	ROCHE	MICAL	CELL	(the
entitled <u>METHOD FOR TRANSPORTING NITRIDE IONS IN AN ELECTROCHEMICAL CELL</u> (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:														
							•						•	

is being executed concurrently herewith,	
was first executed on	
was filed on as Application Number .	
claims the benefit of U.S. Provisional Application(s) No(s).	filed

Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, worldwide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

yw.	08/01/2017
Divyaraj Desai	DATE //
Western William Willia	08/01/17
Vedasri Vedharathinam	DATE
-/1w	08/01/2017
Jessica Louis Baker Rivest	DATE

PATENT

REEL: 043184 FRAME: 0940