505574142 07/16/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
CHARLES J. VESELY	08/05/2014
XIN G. LI	08/12/2014

RECEIVING PARTY DATA

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Street Address:	1400 73RD AVENUE NE		
City:	MINNEAPOLIS		
State/Country:	MINNESOTA		
Postal Code:	55432		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16513277

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NAME OF SUBMITTER:	LAURA E. BUHS		
SIGNATURE:	/laura e. buhs/		
DATE SIGNED:	07/16/2019		

Total Attachments: 4

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PATENT 505574142 REEL: 049767 FRAME: 0874

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Cummins Power Generation IP, Inc. 1400 73rd Avenue NE Minneapolis, Minnesota 55432

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SYSTEM AND METHOD FOR INCREASING THE EFFICIENCY FOR A SOLID OXIDE FUEL CELL SYSTEM

check one	[] executed	concurrently	herewith,	
	[] executed	on		,
	[X	[] Serial No	o. <u>14/340,735</u>	Filed <u>7/25/2</u>	014

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

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ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this	day of Au	gust.	_, 20 <u>/</u> 4.	
			-7/	Tuy
State of Minnesota)			CHARLES J. VESELY
County of Aurily On this 5th day of A) Inquist,2	0 <u>19</u> , before	me, Andr	(a notary public in and usis of satisfactory evidence to be the person whose
for said county), personally appeared C name is subscribed to the within instrur his/her signature on the instrument the	ment and acknowledg	ed to me that l	he/she executed	the same in his/her authorized capacity, and that by
WITNESS my hand and official seal.	1//			
Signature Amilia Chi	rlands	-		ANDREW CLAYTON WALSETH \$
My Commission Expires: $\frac{1}{31/2}$	017			Notary Public-Minnesota fy Commission Expires Jan 31, 2017
Executed this	day of		, 20	
		-		XIN G. LI
State of)			AIN G. LI
County of				
On this day of for said county), personally appeared X subscribed to the within instrument and signature on the instrument the person,	IN G. LI, who prove lacknowledged to me	d to me on the that he/she er	basis of satisfac ecuted the same	ctory evidence to be the person whose name is e in his/her authorized capacity, and that by his/her
WITNESS my hand and official seal.				
Signature				
My Commission Expires				

REEL: 049767 FRAME: 0877

Executed this	_ day of	, 20	
		C	HARLES J. VESELY
State of			
County of)		
On this day of for said county), personally appeared C name is subscribed to the within instru his/her signature on the instrument the	ment and acknowledged to	me that he/she executed the	(a notary public in and of satisfactory evidence to be the person whose same in his/her authorized capacity, and that by cted, executed the instrument.
WITNESS my hand and official seal.			
Signature			
My Commission Expires:			
Executed this 12	_ day of Aug	ust_, 20_14.	
State of EXQS)		ΧΊΝ G. LI
County of Harris			
On this 12 day of for said county), personally appeared X subscribed to the within instrument and signature on the instrument the person,	acknowledged to me that	he/she executed the same in	Kowland (a notary public in and evidence to be the person whose name is his/her authorized capacity, and that by his/her ecuted the instrument.
WITNESS my hand and official seal.			
Signature		action of the same	CTEDUEN DOWN AND
My Commission Expires: 11 - 29-16			STEPHEN ROWLAND NOTARY PUBLIC STATE OF TEXAS MY COMM. EXP. 11-29-16

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