

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3205854

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH E. LIEDHEGNER	01/28/2015
WILSON STURM FILHO	01/30/2015
EDUARDO J. ARENAS	01/29/2015
JAMES S. SYMANSKI	01/28/2015
FENG XUE	01/29/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JOHNSON CONTROLS TECHNOLOGY COMPANY
<b>Street Address:</b>	912 EAST 32ND STREET
<b>City:</b>	HOLLAND
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	49423
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14609936
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(608)283-1709
<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>	
<b>Phone:</b>	608-257-9521
<b>Email:</b>	docket_patents@boardmanclark.com
<b>Correspondent Name:</b>	JASON M. HUNT
<b>Address Line 1:</b>	PO BOX 927
<b>Address Line 4:</b>	MADISON, WISCONSIN 53701-0927
<b>ATTORNEY DOCKET NUMBER:</b>	JCI-756-57501
<b>NAME OF SUBMITTER:</b>	JASON M. HUNT
<b>SIGNATURE:</b>	/jmh/
<b>DATE SIGNED:</b>	01/30/2015
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

For valuable and sufficient consideration from **Johnson Controls Technology Company** (hereinafter referred to as "Assignee"), a Michigan corporation having its principal place of business at 912 E. 32<sup>nd</sup> Street, Holland, MI 49423, receipt of such consideration being hereby acknowledged, I/we,

Joseph E. Liedhegner	of	2608 North 71 <sup>st</sup> Street, Wauwatosa, WI 53213
Wilson Sturm Filho	of	1 Rua Manoel Jose de Fonseca, 471, Sorocaba, SP Brazil 18035-070
Eduardo J. Arenas	of	Pino Prieto 1970 Privada Pinos, Monterrey Neuvo Leon Mexico 64450
James S. Symanski	of	9569 West Upham Avenue, Greenfield, WI 53228
Feng Xue	of	W174N5429 Walnut Ct., Menomonee Falls, WI 53051

hereby sell and assign and convey unto Assignee, its successors and assigns, my/our entire right, title and interest:

(1) in and to an invention entitled "**BATTERY ELECTRODE ASSEMBLY, SEPARATOR AND METHOD OF MAKING SAME**" for which I/we have executed a PCT Patent Application and/or United States Patent Application on even date herewith or filed on January 30, 2015, which received Application No(s). 14/609,936 and, if applicable, which claims the benefit of United States Provisional Application No(s). \_\_\_\_\_ filed on \_\_\_\_\_;

(2) in and to an invention entitled "\_\_\_\_\_" for which I/we previously filed United States Provisional Application No(s). \_\_\_\_\_ filed on \_\_\_\_\_; and

(3) in and to said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) and in and to all other patent applications now or hereafter filed in the United States and countries foreign to the United States (including divisional, continuation, reexamination, and reissue applications, and legal equivalents thereof) based upon said invention, and in and to the patent or patents granted thereon or issued therefrom, including reissues or the like thereof, if any, to the full end of the term or terms for which said patent or patents may be granted or issued.

I/we authorize and request that any attorney associated with **PTO Customer No. 15602** may insert additional information identifying said PCT Patent Application, United States Patent Application and/or United States Provisional Application(s) after execution of this agreement.

*I/we believe the named inventor(s) or joint inventor(s) to be the original inventor or original joint inventors of a claimed invention in the Application.*

*The Application is/was made or is/was authorized to be made by me/us.*

I/we agree that any patent applications of any countries foreign to the United States which may be filed under any applicable international treaties and/or conventions based upon said invention(s) shall be filed in the name of Assignee with the right to claim priority to any earlier filed applications based upon said invention(s).

I/we hereby further agree that I/we shall, upon demand of Assignee, its successors or assigns, and without further consideration to me/us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to be a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me/us.

I/we hereby further agree and authorize the Commissioner of Patents and Trademarks of the United States and all other appropriate government officials for applicable countries foreign to the United States to issue any and all above-identified patents to Assignee.

INVENTOR 1

Signature: [Signature] Date: 1/28/15  
Joseph E. Liedhegner

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

Printed Name of Witness

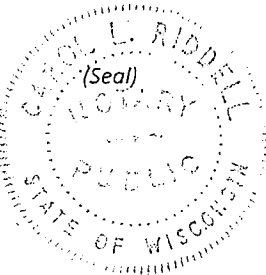
SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

INVENTOR 1

[Signature] Date: 1/28/15  
Joseph E. Liedhegner

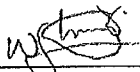
STATE OF Wisconsin  
COUNTY OF SS. Milwaukee


This 28<sup>th</sup> day of Jan., 15 before me personally came the above-named Joseph E. Liedhegner, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

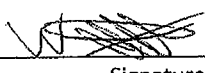


Carol L. Riddell  
(Notary Public)  
My Commission expires: 1-17-16

INVENTOR 2

Signature:  Date: Jan. 30<sup>th</sup> 2015  
Wilson Sturm Filho

Witnessed by:  Date: Jan 30<sup>th</sup> 2015  
Signature  
Maumi Tsurumaki  
Printed Name of Witness

Witnessed by:  Date: Jan 30<sup>th</sup> 2015  
Signature  
Wanderlan de Souza Vislandi  
Printed Name of Witness

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INVENTOR 2

\_\_\_\_\_  
Wilson Sturm Filho Date: \_\_\_\_\_

STATE OF )  
COUNTY OF ) ss.  
)


This \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Wilson Sturm Filho, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(Seal)

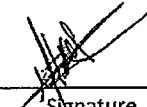
\_\_\_\_\_  
(Notary Public)  
My Commission expires: \_\_\_\_\_

INVENTOR 3

Signature:  Date: 1-29-2015  
Eduardo J. Arenas

Witnessed by:  Date: 1-29-2015  
Signature  
Victor David Diaz Rivera

Printed Name of Witness

Witnessed by:  Date: 1-29-2015  
Signature  
Nelson Uriel Garcia Cortes  
Printed Name of Witness

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INVENTOR 3

\_\_\_\_\_  
Eduardo J. Arenas Date: \_\_\_\_\_

STATE OF )  
                  ) §§.  
COUNTY OF )

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named Eduardo J. Arenas, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(Seal)

\_\_\_\_\_  
(Notary Public)  
My Commission expires: \_\_\_\_\_

INVENTOR 4

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
James S. Symanski

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

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INVENTOR 4

James S. Symanski Date: 01/28/15  
James S. Symanski

STATE OF WISCONSIN )  
  ) §§.  
COUNTY OF MILWAUKEE )

This 28<sup>th</sup> day of January, 2015 before me personally came the above-named **James S. Symanski**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(Seal)

**SUSAN M. DONAHUE**  
Notary Public  
State of Wisconsin

Susan M. Donahue  
(Notary Public) Susan M. Donahue  
My Commission expires: expires July 21, 2018

INVENTOR 5

Signature: *Feng Xue* Date: 1/29/2015  
Feng Xue

Witnessed by: *[Signature]* Date: 1/29/2015  
Signature

ZHE HUANG  
Printed Name of Witness

Witnessed by: *[Signature]* Date: 1/29/2015  
Signature

Liang Sun  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

INVENTOR 5

\_\_\_\_\_  
Feng Xue Date: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Feng Xue**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(Seal)

\_\_\_\_\_  
(Notary Public)  
My Commission expires: \_\_\_\_\_