

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bruce W. Weiss</td> <td>07/10/2012</td> </tr> <tr> <td>Doyle F. Busse</td> <td>07/11/2012</td> </tr> <tr> <td>Jeremy J. Keegan</td> <td>07/10/2012</td> </tr> <tr> <td>Lixiang Wei</td> <td>07/10/2012</td> </tr> <tr> <td>Michael W. Loth</td> <td>07/11/2012</td> </tr> <tr> <td>Rangarajan M. Tallam</td> <td>07/11/2012</td> </tr> <tr> <td>Yogesh Patel</td> <td>07/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bruce W. Weiss	07/10/2012	Doyle F. Busse	07/11/2012	Jeremy J. Keegan	07/10/2012	Lixiang Wei	07/10/2012	Michael W. Loth	07/11/2012	Rangarajan M. Tallam	07/11/2012	Yogesh Patel	07/10/2012
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<table border="1"> <tr> <td>Name:</td> <td>Rockwell Automation Technologies, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 Allen-Bradley Drive</td> </tr> <tr> <td>City:</td> <td>Mayfield Heights</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44124</td> </tr> </table>		Name:	Rockwell Automation Technologies, Inc.	Street Address:	1 Allen-Bradley Drive	City:	Mayfield Heights	State/Country:	OHIO	Postal Code:	44124						
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CORRESPONDENCE DATA																	
Fax Number:	2819704503																
Phone:	(281) 970-4545																
Email:	docket@fyiplaw.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
Correspondent Name:	FLETCHER YODER c/o Rockwell Automation																
Address Line 1:	P.O. Box 692289																
Address Line 4:	Houston, TEXAS 77269-2289																
ATTORNEY DOCKET NUMBER:	ALBR:0453																

OP \$40.00 13548685

NAME OF SUBMITTER:

William Allen Powell

**Total Attachments: 8**

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ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION TECHNOLOGIES, INC.

WHEREAS, **Bruce W. Weiss** of Milwaukee, State of WI; **Doyle F. Busse** of Muskego, State of WI; **Jeremy J. Keegan** of Kewaskum, State of WI; **Lixiang Wei** of Whitefish Bay, State of WI; **Michael W. Loth** of Germantown, State of WI; **Rangarajan M. Tallam** of Germantown, State of WI; and **Yogesh Patel** of Grafton, State of WI (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in "**DC PRE-CHARGE CIRCUIT**," which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. **10AB265 US**, in the patent files of inventors' employer, **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, and which invention is covered by a patent application, filed on July 13, 2012 and assigned the U.S. Application No. 13/548,685 in the Patent and Trademark Office for the United States of America.

NOW THEREFORE, it is agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said inventors have sold, assigned and transferred and by these present do sell, assign and transfer unto **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, the entire right, title and interest in said invention in the United States of America and all foreign countries and in and to said U.S. provisional patent application and all patent applications, divisions, substitutions, continuations and continuations-in-part thereof, and in all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and in all priority rights under the International Convention for the Protection of Industrial Property for every member country, and in all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said invention in any foreign countries, and in all patents (including all extensions, renewals and reissues thereof) granted for said invention; said applications and patents to be held and enjoyed by the said **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same may be granted, as fully and entirely as the same would have been held by said inventors had this assignment and sale not been made.

FURTHER, said inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents on said invention or in filing any divisional, continuation, substitution, or reissue patent application or re-examination proceedings on said invention whether in the United States of America or in any foreign country.

INVENTOR 1:

July 10, 2012 Bruce W. Weiss  
Bruce W. Weiss

State of WISCONSIN)  
County of OZAUKEE) §§.

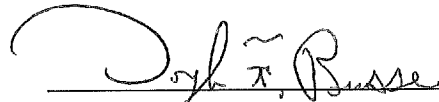
This 10<sup>th</sup> day of July, 2012, before me personally came the above-named **Bruce W. Weiss**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

Kathleen M. Gabriel  
Notary Public, State of WISCONSIN  
My Commission: 3-2013

INVENTOR 2:

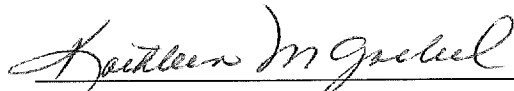
7-11, 2012

  
Doyle F. Busse

State of Wisconsin)  
County of Ozaukee) §§.

This 11<sup>th</sup> day of July, 2012, before me personally came the above-named **Doyle F. Busse**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

  
Notary Public, State of Wisconsin  
My Commission: 3-2013

INVENTOR 3:

July 10, 2012 Jeremy J. Keegan  
Jeremy J. Keegan

State of WISCONSIN)  
County of DOUGLAS) §§.

This 10 day of JULY, 2012, before me personally came the above-named **Jeremy J. Keegan**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

Kathleen M. Grubel  
Notary Public, State of WISCONSIN  
My Commission: 3-2013

INVENTOR 4:

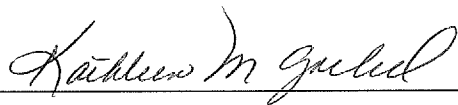
July 10th, 2012

  
Lixiang Wei

State of Wisconsin)  
County of Ozaukee) §§.

This 10<sup>th</sup> day of July, 2012, before me personally came the above-named **Lixiang Wei**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

  
Notary Public, State of WISCONSIN  
My Commission: 3-2013

INVENTOR 5:

July 11, 2012

Michael W. Loth  
Michael W. Loth

State of Wisconsin)  
County of Ozaukee) §§.

This 11<sup>th</sup> day of July, 2012, before me personally came the above-named **Michael W. Loth**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

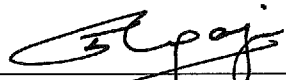
(SEAL)

Kathleen M. Guehl  
Notary Public, State of Wisconsin  
My Commission: 3-2013



INVENTOR 6:


July 11, 2012

  
\_\_\_\_\_  
Rangarajan M. Tallam

State of WISCONSIN )  
County of OZAUKEE ) §§.

This 11<sup>th</sup> day of July, 2012 before me personally came the above-named **Rangarajan M. Tallam**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

  
\_\_\_\_\_  
Notary Public, State of WISCONSIN  
My Commission: 3-2013

INVENTOR 7:

July 10, 2012      *Yogesh Patel*  
Yogesh Patel

State of WISCONSIN)  
County of OZAUKEE) §§.

This 10<sup>th</sup> day of July, 2012, before me personally came the above-named **Yogesh Patel**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)

*Hansraj Ingul*  
Notary Public, State of WISCONSIN  
My Commission: 3-2013