

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>Zhenhuan Yuan</td> <td>03/14/2013</td> </tr> <tr> <td>Shaofeng Zhang</td> <td>03/14/2013</td> </tr> <tr> <td>Haihui Lu</td> <td>03/14/2013</td> </tr> <tr> <td>Lixiang Wei</td> <td>03/14/2013</td> </tr> <tr> <td>Russel J. Kerkman</td> <td>03/14/2013</td> </tr> <tr> <td>Richard Lukaszewski</td> <td>03/14/2013</td> </tr> <tr> <td>Ahmed Mohamed Sayed Ahmed</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhenhuan Yuan	03/14/2013	Shaofeng Zhang	03/14/2013	Haihui Lu	03/14/2013	Lixiang Wei	03/14/2013	Russel J. Kerkman	03/14/2013	Richard Lukaszewski	03/14/2013	Ahmed Mohamed Sayed Ahmed	03/14/2013
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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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PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13827630</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13827630												
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CORRESPONDENCE DATA																	
<p>Fax Number: 2163639001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216-363-9000 Email: cschweter@faysharpe.com Correspondent Name: Steven Haas Address Line 1: 1228 Euclid Avenue, 5th Floor Address Line 2: The Halle Building Address Line 4: Cleveland, OHIO 44115</p>																	
ATTORNEY DOCKET NUMBER:	ROKZ 200103US01																

OP \$40.00 13827630

NAME OF SUBMITTER:

Eric Highman

Total Attachments: 16

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12AB235 - ASSIGNMENT OF INVENTION

WHEREAS,

Zhenhuan Yuan, Room 502, No. 165, Block 10, JinQiu Garden, 699 JinQiu Rd. Shanghai, 200444, CHINA,

Shaofeng ZHANG, Room 201, Unit 132, 1033 Laifang Road, Songjiang District, Shanghai, 201615, CHINA,

Haihui Lu, Room 7-1203, Block 7, Rui Hong Xin Cheng, 333 Linping Road, Shanghai 200086, CHINA,

Lixiang Wei, 5341 W. Bayberry PKWY, Mequon, WI 53092

Russel J. Kerkman, 6400 W. Enterprise Drive, Dept. 895, Mequon, WI 53092,

Richard Lukaszewski, 6400 W. Enterprise Drive, Dept. 895, Mequon, WI 53092,

Ahmed Mohamed Sayed Ahmed, 4416 W. Meadow Circle East, Mequon, WI 53092,

Robert J. Breitzmann, 103 Silver Springs Trail, South Russel, OH 44022

(hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in an invention disclosed in a utility patent application entitled METHOD AND APPARATUS FOR ISLANDING DETECTION FOR GRID TIE CONVERTERS which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. **12AB235**, in the patent files of **ROCKWELL AUTOMATION TECHNOLOGIES, INC.** and which invention is the subject of a utility patent application executed on even date herewith.

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 presents do sell, assign and transfer unto **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, an Ohio corporation, 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. 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 said **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, for its 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.

Zhenhuan Yuan
Zhenhuan Yuan

March 14, 2013
Date

Dayin Xu
First Witness - Signature

March 14, 2013
Date

Dayin Xu
First Witness - Print Name

Yi Yu
Second Witness - Signature

March 14, 2013
Date

Yi Yu
Second Witness - Print Name

Shaofeng Zhang
Shaofeng Zhang

March 14, 2013
Date

Dayin Xu
First Witness - Signature

March 14, 2013
Date

Dayin Xu
First Witness - Print Name

Yi Yu
Second Witness - Signature

March 14, 2013
Date

Assignment of Invention to Rockwell Automation Technologies, Inc.
INSERT TITLE OF APPLICATION
List Rockwell docket no. only
Page 3

Yi Yu
Second Witness - Print Name

Haihui Lu
Haihui Lu

March 14, 2013
Date

Dayin Xu
First Witness - Signature

March 14, 2013
Date

Dayin Xu
First Witness - Print Name

Yi Yu
Second Witness - Signature

March 14, 2013
Date

Yi Yu
Second Witness - Print Name

Lixiang Wei
Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally
appeared Lixiang Wei, to me known to be the person whose name is subscribed to the
foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Russel J. Kerkman

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally
appeared Russel J. Kerkman, to me known to be the person whose name is subscribed
to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Richard Lukaszewski

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally
appeared Richard Lukaszewski, to me known to be the person whose name is
subscribed to the foregoing instrument, and acknowledged to me that he executed the
same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Ahmed Mohamed Sayed Ahmed

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)

) ss

County of _____)

On this ____ day of _____, 20____, before me personally
appeared Ahmed Mohamed Sayed Ahmed, to me known to be the person whose name
is subscribed to the foregoing instrument, and acknowledged to me that he executed
the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

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Haihui Lu, Room 7-1203, Block 7, Rui Hong Xin Cheng, 333 Linping Road, Shanghai 200086, CHINA,

Lixiang Wei, 5341 W. Bayberry PKWY, Mequon, WI 53092

Russel J. Kerkman, 6815 W. Howard Avenue, Milwaukee, WI 53220,

Richard Lukaszewski, 6400 W. Enterprise Drive, Dept. 895, Mequon, WI 53092,

Ahmed Mohamed Sayed Ahmed, 4416 W. Meadow Circle East, Mequon, WI 53092,

Robert J. Breitzmann, 103 Silver Springs Trail, South Russel, OH 44022

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PATENT

REEL: 030105 FRAME: 0218

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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.

Zenhuan Yuan

Date

First Witness - Signature

Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name

Shaofeng Zhang

Date

First Witness - Signature

Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name

Haihui Lu

Date

First Witness - Signature

Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name

Lixiang Wei

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)

) ss

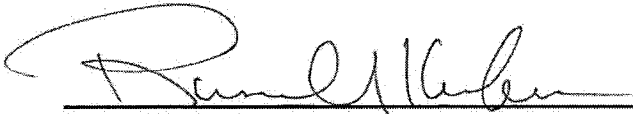
County of _____)

On this ____ day of _____, 20____, before me personally
appeared Lixiang Wei, to me known to be the person whose name is subscribed to the
foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____



Russel J. Kerkman

March 14, 2013

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of Wisconsin)
County of Ozaukee) ss

On this 14th day of March, 2013, before me personally appeared Russel J. Kerkman, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Richard Lukaszewski

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally appeared Richard Lukaszewski, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Ahmed Mohamed Sayed Ahmed

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally appeared Ahmed Mohamed Sayed Ahmed, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

Robert J. Breitzmann

Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally appeared Robert J. Breitzmann, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____

ROKZ 200103US01 579126 1

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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.

Zhenhuan Yuan

Date

First Witness - Signature

Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name

Shaofeng Zhang

Date

First Witness - Signature

Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name

Haihui Lu

Date

First Witness - Signature


Date

First Witness - Print Name

Second Witness - Signature

Date

Second Witness - Print Name


Lixiang Wei

3/14/2013

Date

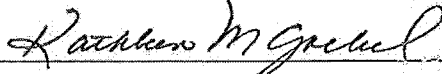
CERTIFICATE OF ACKNOWLEDGEMENT

State of Wisconsin)

County of Douche) ss

On this 14th day of March, 2013, before me personally appeared Lixiang Wei, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)



Notary Public, State of WISCONSIN

My Commission Expires: 12-18-2016

Russel J. Kerkman

Date

CERTIFICATE OF ACKNOWLEDGEMENT

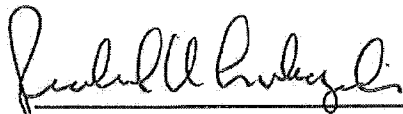
State of _____)
County of _____) ss

On this ____ day of _____, 20____, before me personally appeared Russel J. Kerkman, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Notary Public, State of _____

My Commission Expires: _____


Richard Lukaszewski

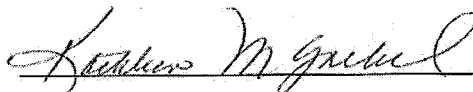
3/14/2013
Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of WISCONSIN)
County of OZAUKEE) ss

On this 14 day of MARCH, 2013, before me personally appeared Richard Lukaszewski, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)



Notary Public, State of WISCONSIN

My Commission Expires: 12-18-2016

A. S. Ahmed
Ahmed Mohamed Sayed Ahmed

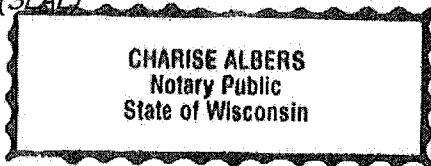
03/14/2013
Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of Wisconsin)
County of Ozaukee) ss
)

On this 14 day of March, 2013, before me personally appeared Ahmed Mohamed Sayed Ahmed, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)



Charise Albers

Notary Public, State of Wisconsin

My Commission Expires: 9/30/2015

Robert J. Breitzmann
Robert J. Breitzmann

3/14/2013
Date

CERTIFICATE OF ACKNOWLEDGEMENT

State of WISCONSIN)
County of Ozaukee) ss

On this 14th day of March, 2013, before me personally appeared Ahmed Mohamed Sayed Ahmed, to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(SEAL)

Kathleen McGrath

Notary Public, State of WISCONSIN

My Commission Expires: 12-18-2016