PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

	SUBMISSION TYPE: NEW ASSIGNMENT				
NATURE OF CONVEYANCE: ASSIGNMENT					
CONVEYING PART	TY DATA				
		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	1		03/14/2013		
Richard Lukaszews	ski		03/14/2013		
Ahmed Mohamed	Sayed Ahmed		03/14/2013		
Name:	Rockwell Auto	omation Technologies, Inc.]		
Name:	Rockwell Aut	omation Technologies, Inc.			
Street Address:	1 Allen-Bradle	ey Drive			
City:	Mayfield Heig	hts			
State/Country:	оню				
Postal Code: 44124					
PROPERTY NUMB	ERS Total: 1				
Property Type		Number			
Property		40007000			
Property Application Number	er:	13827630			
Application Numbe		13827630			
Application Numbe	CE DATA				
Application Number CORRESPONDEN Fax Number:	CE DATA 2163639	001			
Application Number CORRESPONDEN Fax Number:	CE DATA 2163639 <i>ill be sent via US</i>	001 <i>Mail when the fax attempt is unsuccessful</i> .			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone:	CE DATA 2163639 <i>ill be sent via US</i> 216-363	001 <i>Mail when the fax attempt is unsuccessful</i> .			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone: Email:	CE DATA 2163639 <i>ill be sent via US</i> 216-363 cschwet	001 <i>Mail when the fax attempt is unsuccessful</i> 9000 er@faysharpe.com			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone: Email: Correspondent Nar Address Line 1:	CE DATA 2163639 <i>ill be sent via US</i> 216-363 cschwet ne: Steven H	001 <i>Mail when the fax attempt is unsuccessful</i> 9000 er@faysharpe.com			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone: Email: Correspondent Nar Address Line 1: Address Line 2:	CE DATA 2163639 <i>ill be sent via US</i> 216-363 cschwet ne: Steven H 1228 Eu The Hall	001 <i>Mail when the fax attempt is unsuccessful</i> -9000 er@faysharpe.com łaas clid Avenue, 5th Floor e Building			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone: Email: Correspondent Nar Address Line 1:	CE DATA 2163639 <i>ill be sent via US</i> 216-363 cschwet ne: Steven H 1228 Eu The Hall	001 <i>Mail when the fax attempt is unsuccessful</i> 9000 er@faysharpe.com łaas clid Avenue, 5th Floor			
Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i> Phone: Email: Correspondent Nar Address Line 1: Address Line 2:	CE DATA 2163639 <i>ill be sent via US</i> 216-363 cschwet ne: Steven H 1228 Eu The Hall Clevelar	001 <i>Mail when the fax attempt is unsuccessful</i> -9000 er@faysharpe.com łaas clid Avenue, 5th Floor e Building			

NAME OF SUBMITTER:	Eric Highman
Total Attachments: 16	
source=DOC005#page1.tif	
source=DOC005#page2.tif	
source=DOC005#page3.tif	
source=DOC005#page4.tif	
source=DOC005#page5.tif	
source=DOC005#page6.tif	
source=DOC005#page7.tif	
source=DOC005#page8.tif	
source=DOC005#page9.tif	
source=DOC005#page10.tif	
source=DOC005#page11.tif	
source=DOC005#page12.tif	
source=DOC005#page13.tif	
source=DOC005#page14.tif	
source=DOC005#page15.tif	
source=DOC005#page16.tif	

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 <u>executed on even date herewith</u>.

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

Dayin Xu

First Witness - Signature

Dayin Xu First Witness - Print Name

Second Witness - Signature

Yi Yu Second Witness - Print Name

Shaofeng Zhang

DAYIN XU

First Witness - Signature

Davin Xu First Witness - Print Name

Xi Yu

Second Witness - Signature

March 14, 2013 Date March 14, 2013 Date

March 14. 2013

March 14. 2013 Date March 14. 2013

Date

March 14.2013

Date

YiYu Second Witness - Print Name

Haihui

Danta Xu

First Witness - Signature

Davin Xu First Witness - Print Name

Yi Yu

Second Witness - Signature

March 14, 2013 Date March 14, 2013

March 14. 2013

Date

Yi Yu Second Witness - Print Name

Lixiang Wei

Date

))ss)

CERTIFICATE OF ACKOWLEDGEMENT

State of _____

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	Date
<u>CERTIFIC</u>	ATE OF ACKOWLEDGEMENT
State of)) 55
County of)
	, 20, before me personally e known to be the person whose name is subscribed cknowledged to me that he executed the same.
(SEAL)	
•	Notary Public, State of
	My Commission Expires:
Richard Lukaszewski	Date
	ATE OF ACKOWLEDGEMENT
State of)) ss)
County of)
	, 20, before me personally to me known to be the person whose name is ment, and acknowledged to me that he executed the
(SEAL)	
	Notary Public, State of
	My Commission Expires:

Ahmed Mohamed Sayed Ahmed	Date
CERTIFICATE OF	ACKOWLEDGEMENT
State of)	-
) s. County of)	5
appeared Ahmed Mohamed Sayed Ahmed,	, 20, before me personally to me known to be the person whose name and acknowledged to me that he executed

(SEAL)

Notary Public, State of _____

My Commission Expires:_____

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, 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

(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 <u>executed on even date herewith</u>.

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.

nenhuan Yuan		Date	
First Witness - Signature		Date	
First Witness - Print Name			
Second Witness - Signature		Date	
Second Witness - Print Name			
aofeng 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			
State o	f		<u>DGEMENT</u>
County	of)s.	5	
appear	<i>On this day of red Lixiang Wei, to me known to be ing instrument, and acknowledged to</i>	the persol	n whose name is subscribed to the
(SEAL)			

Notary Public, State of ______

My Commission Expires:_____

<	the		Q	16	len	
	Russel J. K	erkman	Ì			

arch 14,2013

/ 1. CERTIFICATE OF ACKOWLEDGEMENT							
State of Wiscensin)						
0 6) 55						
County of Ban Key)						
int int l			•				
On this 14 day of March			20 (3,	before	me	personal	Ίy

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 ACKOWLEDGEMENT

)) 55

)

State of _____

County of _____

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:_____

Date
<u>ACKOWLEDGEMENT</u> ss
, 20, before me personally , to me known to be the person whose name , and acknowledged to me that he executed
Notary Public, State of
My Commission Expires:
Date
<u>ACKOWLEDGEMENT</u>
55
, 20, before me personally known to be the person whose name is nd acknowledged to me that he executed the
Notary Public, State of
My Commission Expires:

.

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 <u>executed on even date herewith</u>.

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.

 7hen	huan Yuan	Date
2000		
		ter se
	First Witness - Signature	Date
	First Witness - Print Name	
ž	Second Witness - Signature	
	Second Witness - Print Name	
n te fig		and the second secon
Shao	feng Zhang Da	ate a statistica de la companya de l
		a sa <u>agus</u> agus sa sa
	First Witness - Signature	Date
	First Witness - Print Name	
	Second Witness - Signature	Date

¥

	Second Witness - Print Name				
Haihui	L u and the state of the state	Date	na n		
			en street.		
	First Witness - Signature	ngangangka garapamangan mal	Date		
	First Witness - Print Name				
	Casand Witnaca Cignatura		Date		en anta
	Second Witness - Signature		Dale		end.
		militalijaanas			
	Second Witness - Print Name				
	No con shut	- 800 4. 12			
[llt	left 3/14/5				
Lixiang) Wei State Da	Le in	a tanàna mina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina Ny faritr'ora dia kaominina d		
Chaba	CERTIFICATE OF	<u>ACKOWLE</u>	<u>DGEMENT</u>		
	F_Wisconstr)	5			
County	of <u>Item/cee</u>)	*			
	On this 14 th day of March	· · ·	, 20 <u>/3</u> , be	fore me pe	ersonali
	red Lixiang Wei, to me known to be				d to th
rorego	ing instrument, and acknowledged to		A A A A A A A A A A A A A A A A A A A		
(SEAL)		_Ka	them MC	new	
		Notary Pu	blic, State of	VISCONS	IN
			ission Expires:	1	
			iooron Loph cor		

Russel J. Kerkman	Date
CERTIF	ICATE OF ACKOWLEDGEMENT
State of	_)
County of)
appeared Russel J. Kerkman, to	me known to be the person whose name is subscribed ne knowledged to me that he executed the same.
(SEAL)	
	Notary Public, State of
	My Commission Expires:
Julill huley li	3/14/2013
Richard Lukaszewski	Date
State of Wiscowsin CERTIF	<u>LICATE OF ACKOWLEDGEMENT</u>
county of Ozavkee) <i>ss</i>
On this B day of MA	$\frac{4}{15}$, 20 , $\frac{14}{15}$, before me personally i, to me known to be the person whose name is
subscribed to the foregoing inst	rument, and acknowledged to me that he executed the
same.	

(SEAL)

Kothers M. Griber

My Commission Expires: 12 - 18 - 2016

<u>03114 2013</u> Date

Ahmed Mohamed Sayed Ahmed

)) 55 County of Ozaukee)

On this $\underline{14}$ day of \underline{March} , 20<u>13</u>, 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)	Marise Allyrs
CHARISE ALBERS Notary Public	Notary Public, State of
State of Wisconsin	My Commission Expires: 9 90 2015

aise (9

PATENT REEL: 030105 FRAME: 0227

eitzmann

2213

		RTIFICATE OF ACKOWLEDGE	<u>:MENT</u>
State of	WISCONTN)	
	10 3 11) ss	
County of	OZ puke e)	

On this \underline{H}^{p} day of \underline{Much} , $20\underline{/3}$, 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)

Kathless M Grebel

Notary Public, State of WISCONSIN

My Commission Expires: 12 -18 2016

RECORDED: 03/28/2013