

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>John O'Connell</td> <td>04/24/2012</td> </tr> <tr> <td>Dale Terdan</td> <td>04/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	John O'Connell	04/24/2012	Dale Terdan	04/24/2012				
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RECEIVING PARTY DATA											
<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>13474348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13474348						
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CORRESPONDENCE DATA											
<p>Fax Number: (414)225-9753 Phone: 414-225-9755 Email: docketing@boylefred.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: Boyle Fredrickson, S.C. Address Line 1: 840 North Plankinton Avenue Address Line 4: Milwaukee, WISCONSIN 53203</p>											
ATTORNEY DOCKET NUMBER:	1506.337										
NAME OF SUBMITTER:	Keith M. Baxter										
<p>Total Attachments: 3 source=Assignment_as_filed#page1.tif source=Assignment_as_filed#page2.tif source=Assignment_as_filed#page3.tif</p>											

CH \$40.00 13474348

PATENT

11AB153-US (1506.337)

ASSIGNMENT OF INVENTION
TO
ROCKWELL AUTOMATION TECHNOLOGIES, INC.

WHEREAS, **JOHN O'CONNELL** of 127 Coventry Drive, Painesville, OH 44077, USA, and **DALE TERDAN** of 9655 Yellowwood Drive, Concord Township, OH 44060, USA, (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in a **ZERO-CROSSING DETECTOR FOR INDUSTRIAL CONTROL WITH LOW HEAT DISSIPATION**, which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. 11AB153-US (1506.337) in the patent files of **ROCKWELL AUTOMATION TECHNOLOGIES, INC.** having a principal place of business at 1 Allen-Bradley Drive, Mayfield Heights, Ohio 44124.

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. 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.

11AB153-US (1506.337)

ASSIGNMENT OF INVENTION
TO
ROCKWELL AUTOMATION TECHNOLOGIES, INC.

Signed:

Date:

John O'Connell
JOHN O'CONNELL

4/24/2012

CERTIFICATE OF ACKNOWLEDGMENT

State of Ohio

County of Cuyahoga

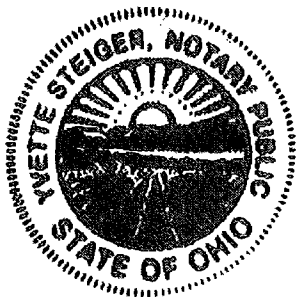
On April 24, 2012 before Yvette Steiger, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared John O'Connell
Name(s) of Signer(s)

_ personally known to me - OR - _ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Yvette Steiger
Signature of Witness



YVETTE STEIGER, NOTARY PUBLIC
STATE OF OHIO, CUYAHOGA COUNTY
COMMISSION EXP. 06/23/2014

11AB153-US (1506.337)

ASSIGNMENT OF INVENTION
TO
ROCKWELL AUTOMATION TECHNOLOGIES, INC.

Signed:

Date:

Dale Terdan
DALE TERDAN

4/24/2012

CERTIFICATE OF ACKNOWLEDGMENT

State of Ohio

County of Cuyahoga

On April 24, 2012 before Yvette Steiger, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Dale Terdan
Name(s) of Signer(s)

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WITNESS my hand and official seal.

Yvette Steiger
Signature of Notary Public
My Commission Expires: June 23, 2014



YVETTE STEIGER, NOTARY PUBLIC
STATE OF OHIO, CUYAHOGA COUNTY
COMMISSION EXP. 06/23/2014