

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3770562

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DIRK LORENZ	04/06/2011
NORBERT MACHULETZ	04/11/2011
RUDOLF PAPENBREER	04/06/2011
THOMAS HELPENSTEIN	04/07/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROCKWELL AUTOMATION GERMANY GMBH & CO. KG
<b>Street Address:</b>	WESTRING 222
<b>City:</b>	WUPPERTAL
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	42329
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14259838
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)225-9753
<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>	414-382-4946
<b>Email:</b>	docketing@boylefred.com
<b>Correspondent Name:</b>	ROCKWELL AUTOMATION, INC./BF ATTENTION
<b>Address Line 1:</b>	1201 SOUTH SECOND STREET
<b>Address Line 4:</b>	MILWAUKEE, WISCONSIN 53204
<b>ATTORNEY DOCKET NUMBER:</b>	10TE102-US-A (1506.419)
<b>NAME OF SUBMITTER:</b>	KIRK L. DEHECK
<b>SIGNATURE:</b>	/Kirk L. Deheck/
<b>DATE SIGNED:</b>	03/07/2016
<b>Total Attachments: 5</b>	
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10TE102-US-A (1506.419)

**ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION GERMANY GMBH & CO. KG**

WHEREAS, **DIRK LORENZ** of Kammstr. 11, D58300 Wetter, Germany, **NORBERT MACHULETZ** of Sven-Hedin-Strasse 18, D58300 Wetter, Germany, **RUDOLF PAPENBREER** of Nueller Strasse 164, D42115 Wuppertal, Germany and **THOMAS HELPENSTEIN** of Von-Immelhausen-Str. 90, D41515 Grevenbroich, Germany, (hereinafter sometimes referred to as "said inventors"), has invented certain new and useful improvements in **SINGLE-CHANNEL SAFETY OUTPUT**, which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. 09TE147-US, in the patent files of **ROCKWELL AUTOMATION GERMANY GMBH & CO. KG** having a principal place of business at Westring 222, 42329 Wuppertal, Germany.

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 GERMANY GMBH & CO. KG** 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 GERMANY GMBH & CO. KG**, 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.

10TE102-US-A (1506.419)

ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION GERMANY GMBH & CO. KG

Signed:

Date:

D. Lorenz  
DIRK LORENZ

06 April 2011

CERTIFICATE OF ACKNOWLEDGMENT

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared DIRK LORENZ  
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.

(SEAL)

\_\_\_\_\_  
Signature of Notary Public  
My Commission Expires: \_\_\_\_\_

10TE102-US-A (1506.419)  
ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION GERMANY GMBH & CO. KG

Signed:

Date:

Norbert Machuletz  
NORBERT MACHULETZ

11. April 2011

CERTIFICATE OF ACKNOWLEDGMENT

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared NORBERT MACHULETZ  
Name(s) of Signer(s)

\_\_\_ personally known to me - OR - \_\_\_ proved to me  
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(SEAL)

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Signature of Notary Public  
My Commission Expires: \_\_\_\_\_

10TE102-US-A (1506.419)

ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION GERMANY GMBH & CO. KG

Signed:

Date:

  
\_\_\_\_\_  
RUDOLF PAPENBREER

4/6/2011

CERTIFICATE OF ACKNOWLEDGMENT

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared: RUDOLF PAPENBREER  
Name(s) of Signer(s)

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My Commission Expires: \_\_\_\_\_

10TE102-US-A (1506.419)  
ASSIGNMENT OF INVENTION  
TO  
ROCKWELL AUTOMATION GERMANY GMBH & CO. KG

Signed:

Date:

  
THOMAS HELPENSTEIN

2011-04-07

CERTIFICATE OF ACKNOWLEDGMENT

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared THOMAS HELPENSTEIN  
Name(s) of Signer(s)

\_\_\_ personally known to me - OR - \_\_\_ proved to me  
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\_\_\_\_\_  
Signature of Notary Public  
My Commission Expires: \_\_\_\_\_