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Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMM Inited States Patent and Trademark
	3176442 _ments or the new address(es) below
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Theodore J. Houck, III Jie Ning	Name: Rockwell Automation Technologies, Inc.
James Peter Miller	Internal Address:
	U
Additional name(s) of conveying party(ies) attached? Yes . Yes . Nature of conveyance/Execution Date(s):	Street Address: 1 Allen-Bradley Drive
Execution Date(s) January 27, 31, 2006	Street Address: 1 Allen-Bradley Drive
✓ Assignment Merger	~  <del>-</del>
	City: Mayfield Heights
Security Agreement Change of Name	
Joint Research Agreement Government Interest Assignment	State: Ohio
Executive Order 9424, Confirmatory License	Country: U.S.A. Zip: 44124
Other	Additional name(s) & address(es) attached? Yes
4. Application or patent number(s):   ✓ Thi  A. Patent Application No.(s)	is document is being filed together with a new applica B. Patent No.(s)
A. Patent Application No.(s)  **BYRNE** 00000082 170055 11343405	B. Patent No.(s)
A. Patent Application No.(s)  **BBYRNE** 00000082 170055 11343405	B. Patent No.(s)
A. Patent Application No.(s)    INDITION	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1
A. Patent Application No.(s)    DBYRNE 00000082 170055 11343405	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
A. Patent Application No.(s)    DBYRNE	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card
A. Patent Application No.(s)  INBYRNE 00000082 170055 11343405  40.00 DA Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name: Ms. Susan M. Donahue  Internal Address: Rockwell Automation, Inc.	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
A. Patent Application No.(s)    DBYRNE	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card Authorized to be charged to deposit account
A. Patent Application No.(s)  INBYRNE 00000082 170055 11343405  40.00 DA Additional numbers  5. Name and address to whom correspondence concerning document should be mailed:  Name: Ms. Susan M. Donahue  Internal Address: Rockwell Automation, Inc.	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed
A. Patent Application No.(s)    INSTRUCT	B. Patent No.(s)  attached?
A. Patent Application No.(s)    DBYRNE   00000082 170055   11343405     40.00 DA   Additional numbers     5. Name and address to whom correspondence concerning document should be mailed:     Name: Ms. Susan M. Donahue     Internal Address: Rockwell Automation, Inc.     Street Address: 1201 South Second Street     City: Milwaukee     State: Wisconsin   Zip: 53204	B. Patent No.(s)  attached?  Yes  No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting)  8. Payment Information
A. Patent Application No.(s)    IDBYRNE	B. Patent No.(s)  attached?
A. Patent Application No.(s)    DBYRNE	B. Patent No.(s)  attached?
A. Patent Application No.(s)    IDBYRNE	B. Patent No.(s)  attached? Yes No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting)  8. Payment Information  a. Credit Card Last 4 Numbers  Expiration Date  b. Deposit Account Number 17-0055

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Name of Person Signing

Docket Number: (05AB333).203

Doc. No.: 5844992

sheet, attachments, and documents:

## ASSIGNMENT

WHEREAS, Theodore John Houck III of Milwaukee, Wisconsin; Jie Ning of Shorewood, Wisconsin, and James Peter Miller of Waukesha, Wisconsin (hereinafter sometimes referred to as said inventor(s)), have/has invented certain new and useful improvements in FUSE BLOCK WITH IMPROVED UNIDIRECTIONAL OPERATOR which invention (hereinafter sometimes referred to as said invention) has been disclosed to and filed, under Docket No. 05AB333 (ICBMK) 00203 of the patent files of inventor(s)' employer, ROCKWELL AUTOMATION TECHNOLOGIES, INC, (an Ohio Corporation) and which invention is covered by a patent application, executed and filed concurrently herewith 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 inventor(s) have/has sold, assigned and transferred and by these present does 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 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 inventor had this assignment and sale not been made

FURTHER, said inventor(s) hereby agree to sign all lawful papers necessary or helpful in obtaining patents on said invention or in filing any divisional, continuation,

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ORMKEISRASIOR I

PATENT REEL: 017536 FRAME: 0160 substitution, or reissue patent application or re-examination proceedings on said invention whether in the United States of America or in any foreign country

Executed at Milwankee W1 this 31 5tday of Janu	ary, 2006.
THEORORE I HOUCK, III, Inventor	5
State of Wisconsin ) County of Miscourse )	
On this 3 day of January, 2006, before me person THEODORE I HOUCK, III to me known to be the person whose name foregoing instrument, and acknowledged to me that he/she executed the Notary Public My Commission Expires: Oct.  (SEAL)  Executed at Milwaukee WI this 27 day of January Public Commission Expires: Oct.	is subscribed to the same.  15,2006
JE NING, Inventor	186
State of Wisconsin ) County of Milwaukee )	
On this 27 day of January, 2006, before me personal JIE NING to me known to be the person whose name is subscribed to the instrument, and acknowledged to me that he/she executed the same.	ally appeared foregoing
Notary Public My Commission Expires: Oct. 15	Hue 5,2006
<u> </u>	

PATENT REEL: 017536 FRAME: 0161 Executed at Milwaukee WI this 31 st day of howard, 2006.

JAMES PETER MILLER, Inventor

State of Wisconsin

**RECORDED: 01/31/2006** 

County of Milwaukee

On this 3 day of January, 2006, before me personally appeared JAMES PETER MILLER to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same

Notary Public

My Commission Expires: 04.15,200

3

PATENT REEL: 017536 FRAME: 0162