

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Maina A. Macharia</td> <td>07/09/2008</td> </tr> <tr> <td>Michael E. Tay</td> <td>07/21/2008</td> </tr> <tr> <td>Patrick D. Noll</td> <td>06/30/2008</td> </tr> <tr> <td>James F. Bartee</td> <td>07/09/2008</td> </tr> </tbody> </table>		Name	Execution Date	Maina A. Macharia	07/09/2008	Michael E. Tay	07/21/2008	Patrick D. Noll	06/30/2008	James F. Bartee	07/09/2008
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Maina A. Macharia	07/09/2008										
Michael E. Tay	07/21/2008										
Patrick D. Noll	06/30/2008										
James F. Bartee	07/09/2008										
RECEIVING PARTY DATA											
Name:	Rockwell Automation Technologies, Inc.										
Street Address:	1 Allen-Bradley Drive										
City:	Mayfield Heights										
State/Country:	OHIO										
Postal Code:	44124										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12165371</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12165371						
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Application Number:	12165371										
CORRESPONDENCE DATA											
Fax Number:	(414)382-3900										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	414-382-4463										
Email:	smdonahue@ra.rockwell.com										
Correspondent Name:	ROCKWELL AUTOMATION, INC./(FY)										
Address Line 1:	ATTENTION: SUSAN M. DONAHUE, E-7F19										
Address Line 2:	1201 SOUTH SECOND STREET										
Address Line 4:	MILWAUKEE, WISCONSIN 53204										
ATTORNEY DOCKET NUMBER:	ALBR:0291/YOD 08AB209-US										
NAME OF SUBMITTER:	Patrick S. Yoder										
Total Attachments: 5											

OP \$40.00 12165371

500619074

**PATENT
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ASSIGNMENT OF INVENTION
TO
ROCKWELL AUTOMATION TECHNOLOGIES, INC.

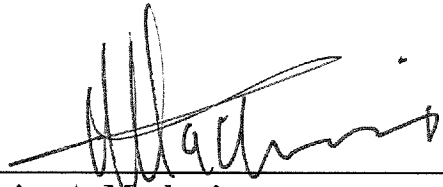
WHEREAS, **Maina A. Macharia** of Round Rock, State of Texas, **Michael E. Tay** of Georgetown, State of Texas, **Patrick D. Noll** of Richardson, State of Texas, and **James F. Bartee** of Stilesville, State of Indiana (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in **THROUGHPUT/YIELD OPTIMIZED MODEL PREDICTIVE CONTROL** which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. **08AB209-US**, in the patent files of inventors' employer, **ROCKWELL AUTOMATION TECHNOLOGIES, INC.**, 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, filed on June 30, 2008 and assigned the U.S. Application No. 12/165,371 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 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. provisional 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.

INVENTOR 1:

7/9/, 2008

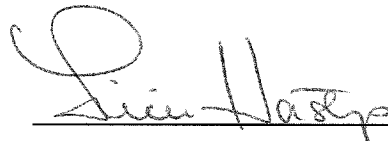

Maina A. Macharia

State of Texas)
County of Travis) §§.

This 9th day of July, 2008, before me personally came the above-named **Maina A. Macharia**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)




Notary Public, State of Texas
My Commission: 07-05-2011

INVENTOR 2:

7/21/08, 2008

Michael E. Tay
Michael E. Tay

State of Texas)
) §§.
County of Trowis)

This 21st day of July, 2008, before me personally came the above-named **Michael E. Tay**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)



Tricia Hastings
Notary Public, State of Texas
My Commission: 07-05-2011

INVENTOR 3:

June 30, 2008

Patrick D. Noll
Patrick D. Noll

State of Texas)
County of Travis) §§.

This 30th day of June, 2008, before me personally came the above-named **Patrick D. Noll**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)



[Signature]
Notary Public, State of Texas
My Commission: 7-5-2011

INVENTOR 4:

7/9, 2008

JFBt
James F. Bartee

State of Texas)
) §§.
 County of Travis)

This 9th day of July, 2008, before me personally came the above-named **James F. Bartee**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(SEAL)



Tricia Hastings
 Notary Public, State of Texas
 My Commission: 07-05-2011