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DEPARTMENT OF COMMERCE
Patent and Trademark Office



RECORDATION

PATENT 102996355

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Sivaram Balasubramanian
Anatoly Moldovansky
Kendal R. Harris

Execution Date(s) April 25, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Rockwell Automation Technologies, Inc.

Internal Address: _____

Street Address: 1 Allen-Bradley Drive

City: Mayfield Heights

State: Ohio

Country: USA Zip: 44124

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Susan P. Donahue

Internal Address: _____

Street Address: 1201 South Second Street

City: Milwaukee

State: WI Zip: 53204

Phone Number: 414.382.4463

Fax Number: 414.382.3900

Email Address: smdonahue@ra.rockwell.com

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 title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 17-0055

Authorized User Name Quarles & Brady LLP

9. Signature:

Michael J. McGovern
Signature

April 27, 2005

Date

Michael J. McGovern

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Docket Number: 110003.00141 (04AB242)

Doc. No.: 5730740

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01 FC:8021 40.00 DA

PATENT
REEL: 016511 FRAME: 0715

ASSIGNMENT

WHEREAS, Sivaram Balasubramanian of Solon, State of Ohio; Anatoly Moldovansky of Pepper Pike, State of Ohio; and Kendal R. Harris of Mentor, State of Ohio (hereinafter sometimes referred to as said inventors), have invented certain new and useful improvements in

**TIME SYNCHRONIZATION, DETERMINISTIC DATA DELIVERY
AND REDUNDANCY FOR CASCADED NODES ON FULL
DUPLEX ETHERNET NETWORKS**

which invention (hereinafter sometimes referred to as said invention) has been disclosed to and filed, under Docket No. 04AB242, 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.

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. , 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, inventors 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 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.

Executed at _____ this 25 day of APRIL, 2005.

B. Sivaram

Sivaram Balasubramanian, Inventor

State of Ohio)

County of Cuyahoga)

On this 25th day of April, 2005, before me personally appeared Sivaram Balasubramanian, 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.

Yvette Steiger
Notary Public
My Commission Expires: _____

(SEAL)

Yvette Steiger
NOTARY PUBLIC, STATE OF OHIO
My Commission Expires June 23, 2009
Recorded in Cuyahoga County

Executed at _____ this 25 day of April, 2005.

Anatoly Moldovansky
Anatoly Moldovansky, Inventor

State of Ohio)

County of Cuyahoga)

On this 25th day of April, 2005, before me personally appeared Anatoly Moldovansky, 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.

Yvette Steiger
Notary Public
My Commission Expires: _____

(SEAL)

Yvette Steiger
NOTARY PUBLIC, STATE OF OHIO
My Commission Expires June 23, 2009
Recorded in Cuyahoga County

Executed at _____ this 25 day of April, 2005.

Kendal R. Harris
Kendal R. Harris, Inventor

State of Ohio)

County of Cuyahoga)

On this 25th day of April, 2005, before me personally appeared Kendal R. Harris, 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.

Yvette Steiger
Notary Public
My Commission Expires: _____

(SEAL)

Yvette Steiger
NOTARY PUBLIC, STATE OF OHIO
My Commission Expires June 23, 2009
Recorded in Cuyahoga County