

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4385418

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LINGLAI LI	11/01/2016
GUOLIN ZHANG	11/01/2016
DAVID D. BRANDT	03/08/2017
FRED M. DISCENZO	03/22/2017
PHILIP KAUFMAN	03/08/2017
DAVID B. BERMAN	03/08/2017
PHILLIP BUSH	03/08/2017
SEAN C. SCHMELZER	03/21/2017
STEVEN LOMBARDI	11/04/2016
NOEL HENDERSON	03/20/2017
RICHARD A. MORGAN	11/04/2016
RECEIVING PARTY DATA	
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State/Country:	OHIO
Postal Code:	44124
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15495466
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ATTORNEY DOCKET NUMBER:	2014P-258US-ORG1;ALBR0616
NAME OF SUBMITTER:	PATRICK S. YODER
SIGNATURE:	/Patrick S. Yoder/
DATE SIGNED:	04/26/2017
Total Attachments: 8 source=2014P-258_US-ORG1_Assignment#page1.tif source=2014P-258_US-ORG1_Assignment#page2.tif source=2014P-258_US-ORG1_Assignment#page3.tif source=2014P-258_US-ORG1_Assignment#page4.tif source=2014P-258_US-ORG1_Assignment#page5.tif source=2014P-258_US-ORG1_Assignment#page6.tif source=2014P-258_US-ORG1_Assignment#page7.tif source=2014P-258_US-ORG1_Assignment#page8.tif	

ASSIGNMENT BY INVENTORS

Linglai Li, Guolin Zhang, David D. Brandt, Fred M. Discenzo, Philip Kaufman, David B. Berman, Phillip Bush, Sean C. Schmelzer, Steven Lombardi, Noel Henderson, AND Richard A. Morgan, (Inventors) have invented

STATE-BASED HIERARCHY ENERGY MODELING

(the Invention), as described in:

U.S. Patent Application No. 15/495,466, filed April 24, 2017 (the Application).

Rockwell Automation Technologies, Inc. (Assignee), an Ohio Corporation with a principal place of business at 1 Allen-Bradley Drive, Mayfield Heights, Ohio 44124, is desirous of acquiring the entire right, title, and interest in the Inventions and the Application. Any reference in this assignment to the Assignee encompasses the successors, legal representatives, and assigns of the Assignee.

For good and sufficient consideration, the receipt of which is hereby acknowledged, Inventors hereby transfer to Assignee the entire right, title, and interest in the Inventions and the Application, and in all patents and patent applications covering the Inventions or resulting from the Application, including all provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, reexamination, foreign, and PCT applications, and any patents resulting from these applications, in the United States and in all foreign countries, including in particular the rights of priority originating from the Application.

Inventors hereby represent that, except for any rights that have arisen to Assignee under law or that have already been transferred to Assignee, Inventors have the right to convey the entire right, title, and interest in the Inventions and the Application, and that no assignment, sale, agreement, or encumbrance has been made or will be made which would conflict with this assignment.

Inventors hereby authorize the Director of the U.S. Patent and Trademark Office and the empowered officials of all other governments to issue all patents covering the Inventions or resulting from the Application, to the Assignee.

Inventors hereby agree to carry out in good faith the intent and purpose of this assignment; to communicate to Assignee any facts relating to the Inventions, the Application, and any patents and applications that cover the Inventions or result from the Application; to testify in any legal proceeding when requested to do so; to execute all rightful oaths, assignments, powers of attorney and other papers; to sign

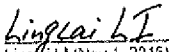
all lawful papers, execute all necessary assignment papers to cause any patents resulting from the Application or covering the Inventions to be issued to Assignee; and to generally do everything necessary or desirable to aid the Assignee in attaining, perfecting title in, and enforcing proper protection for the Inventions, the Application and any patents and applications resulting from the Inventions or the Application, in the United States and in all other countries, all without further consideration, but at the expense of the Assignee.

Inventors hereby grant to Assignee the right to sue for past, present and future infringement of any patents covering the Inventions or resulting from the Application.

Inventors grant to Assignee and Assignee's attorneys the power to insert into this assignment any information necessary to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

The Inventors have executed this assignment as of the date(s) indicated below:

Date: Nov 1, 2016


Linglai Li (Nov 1, 2016)

Linglai Li

Date: Nov 1, 2016


Goulin Zhang (Nov 1, 2016)

Goulin Zhang

Date: Nov 1, 2016

David D. Brandt

Date: _____

Fred M. Discenzo

Date: Nov 1, 2016

Philip Kaufman

Date: Nov 1, 2016

David B. Berman

all lawful papers, execute all necessary assignment papers to cause any patents resulting from the Application or covering the Inventions to be issued to Assignee; and to generally do everything necessary or desirable to aid the Assignee in attaining, perfecting title in, and enforcing proper protection for the Inventions, the Application and any patents and applications resulting from the Inventions or the Application, in the United States and in all other countries, all without further consideration, but at the expense of the Assignee.

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The Inventors have executed this assignment as of the date(s) indicated below:

Date: _____

Linglai Li

Date: _____

Goulin Zhang

Date: David D. Brandt
David D. Brandt (Mar 8, 2017)

Mar 8, 2017

David D. Brandt

Date: _____

Fred M. Discenzo

Date: Philip John Kaufman
Philip John Kaufman (Mar 8, 2017)

Mar 8, 2017

Philip Kaufman

Date: David B. Berman
David B. Berman (Mar 8, 2017)

Mar 8, 2017

David B. Berman

all lawful papers, execute all necessary assignment papers to cause any patents resulting from the Application or covering the Inventions to be issued to Assignee; and to generally do everything necessary or desirable to aid the Assignee in attaining, perfecting title in, and enforcing proper protection for the Inventions, the Application and any patents and applications resulting from the Inventions or the Application, in the United States and in all other countries, all without further consideration, but at the expense of the Assignee.

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Inventors grant to Assignee and Assignee's attorneys the power to insert into this assignment any information necessary to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

The Inventors have executed this assignment as of the date(s) indicated below:

Date: _____

Linglai Li

Date: _____

Goulin Zhang

Date: _____

David D. Brandt

Date: March 22, 2017

Fred M. Disenzo
Fred M. Disenzo

Date: _____

Philip Kaufman

Date: _____

David B. Berman

Phillip R. Bush
Date: Phillip R. Bush (Mar 8, 2017)

Mar 8, 2017

Phillip Bush

Date: _____

Mar 8, 2017

Sean C. Schmelzer

Date: _____

Steven Lombardi

Date: _____

Mar 8, 2017

Noel Henderson

Date: _____

Richard A. Morgan

Assignment by Inventors
STATE-BASED HIERARCHY ENERGY MODELING

Date: _____

Philip Bush

Date: Mar 21, 2017

Sean C. Schmelzer
Sean C. Schmelzer (Mar 21, 2017)

Sean C. Schmelzer

Date: _____

Steven Lombardi

Date: _____

Noel Henderson

Date: _____

Richard A. Morgan

Date: _____

Philip Bush

Date: _____

Sean C. Schmelzer

Date: _____

Steven Lombardi

Date: Mar 20, 2017

Noel Henderson
Noel Henderson (Mar 20, 2017)

Noel Henderson

Date: _____

Richard A. Morgan

Assignment by Inventors
STATE-BASED HIERARCHY ENERGY MODELING

Date: _____

Phillip Bush

Date: _____

Sean C. Schmelzer

Date: Nov 4, 2016

Steven A. Lombardi
Steven A. Lombardi (Nov 4, 2016)

Steven Lombardi

Date: _____

Noel Henderson

Date: Nov 4, 2016

Richard A. Morgan
Richard A. Morgan (Nov 4, 2016)

Richard A. Morgan