505470306 05/10/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5517109

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZORAN VRANKOVIC	04/26/2019
MARK A. GRIES	04/28/2019
CRAIG R. WINTERHALTER	04/29/2019
ARUN K. GURU	04/26/2019

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

Property Type	Number
Application Number:	16408804

CORRESPONDENCE DATA

Fax Number: (414)225-9753

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.

Phone: 414-382-4946

Email: docketing@boylefred.com

Correspondent Name: ROCKWELL AUTOMATION, INC./BF ATTENTION:

Address Line 1: 1201 SOUTH SECOND STREET
Address Line 4: MILWAUKEE, WISCONSIN 53204

ATTORNEY DOCKET NUMBER:	2019P-046-US (1506.767)	
NAME OF SUBMITTER:	ERIC L. SCHLEVENSKY	
SIGNATURE:	/Eric L. Schlevensky/	
DATE SIGNED:	05/10/2019	

Total Attachments: 3 source=01346199#page1.tif source=01346199#page2.tif source=01346199#page3.tif

505470306

PATENT REEL: 049139 FRAME: 0647

ASSIGNMENT BY INVENTOR 2019P-046-US (1506.767)

ZORAN VRANKOVIC, MARK A. GRIES, CRAIG R.

WINTERHALTER and ARUN K. GURU, (Inventors) have invented

APPARATUS FOR DISTRIBUTING DC BUS POWER AND CONTROL POWER OVER COMMON CONDUCTORS IN A DISTRIBUTED DC BUS

SYSTEM, (the Invention), as described in:

U.S. Patent Application No. <u>16/408,804</u>, filed <u>May 10, 2019</u> (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.

1 of 3

{01325359.DOCX / }

PATENT REEL: 049139 FRAME: 0648 Assignment by Inventors Apparatus for Distributing DC Bus Power and Control Power over Common Conductors in a Distributed DC Bus System Docket No. 2019P-046-US (1506.767)

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:

Apr 26, 2019 Date:	Zoran Vrankovic Zoran Vrankovic (Apr 28, 2017)	
	ZORAN VRANKOVIC	

2 of 3

Assignment by Inventors Apparatus for Distributing DC Bus Power and Control Power over Common Conductors in a Distributed DC Bus System Docket No. 2019P-046-US (1506.767)

Apr 28, 2019 Date:	Mark A. Gree (Apr 28, 2010)	
	MARK A. GRIES	
Apr 29, 2019 Date:	Craig Winterhalter Cole Winterhalter (Apr 29, 2012)	
	CRAIG R. WINTERHALTER	
Apr 26, 2019 Date:	Aran K Guru (Apr 26, 2018)	
	ARUN K. GURU	

{01325359.DOCX/} 3 of 3

RECORDED: 05/10/2019

PATENT REEL: 049139 FRAME: 0650