

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AHMED HISHAM ABUELNAGA	04/08/2021
MEHDI NARIMANI	04/08/2021
ZHONGYUAN CHENG	04/09/2021
NAVID R. ZARGARI	04/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROCKWELL AUTOMATION TECHNOLOGIES, INC.
<b>Street Address:</b>	1 ALLEN-BRADLEY DRIVE
<b>City:</b>	MAYFIELD HEIGHTS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44124
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17227143
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)363-9001
<i>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.</i>	
<b>Phone:</b>	414-382-4946
<b>Email:</b>	CSHWETER@FAYSHARPE.COM
<b>Correspondent Name:</b>	ROCKWELL AUTOMATION, INC./FAY SHARPE LLP
<b>Address Line 1:</b>	1201 SOUTH SECOND STREET
<b>Address Line 4:</b>	MILWAUKEE, OHIO 53204
<b>ATTORNEY DOCKET NUMBER:</b>	2021P-033-US/ROK20245US01
<b>NAME OF SUBMITTER:</b>	ERIC HIGHMAN
<b>SIGNATURE:</b>	/Eric Highman/
<b>DATE SIGNED:</b>	04/12/2021
<b>Total Attachments: 2</b>	
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**2021P-033-US - ASSIGNMENT BY INVENTORS**

Ahmed Hisham Abuelnaga, Mehdi Narimani, Zhongyuan Cheng, and  
Navid R. Zargari (Inventors) have invented

**REGENERATIVE MEDIUM VOLTAGE DRIVE (CASCADED H BRIDGE)**  
**WITH REDUCED NUMBER OF SENSORS** (the Inventions), as described in:

U.S. Patent Application Ser. No. 17/227,143, filed  
April 9, 2021 (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 executed this assignment as of the dates indicated below:

Date: 08-Apr-2021

Ahmed Hisham Abuelnaga  
Ahmed Hisham Abuelnaga (Apr 8, 2021 15:48 EDT)

AHMED HISHAM ABUELNAGA

Date: 08-Apr-2021

Narimani  
Narimani (Apr 8, 2021 18:11 EDT)

MEHDI NARIMANI

Date: 09-Apr-2021

Zhongyuan Cheng  
Zhongyuan Cheng (Apr 9, 2021 16:45 EDT)

ZHONGYUAN CHENG

Date: 09-Apr-2021

David R. Zargari  
David R. Zargari (Apr 9, 2021 15:25 EDT)

NAVID R. ZARGARI