

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6687132

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER ROUTH	04/28/2021
JONATHAN A. LOVSETH	04/29/2021
ROBERT MCCABE	04/29/2021
SASHA OSTER	04/30/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROCKWELL COLLINS, INC.
<b>Street Address:</b>	400 COLLINS ROAD, NE
<b>City:</b>	CEDAR RAPIDS
<b>State/Country:</b>	IOWA
<b>Postal Code:</b>	52498
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17246242
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(402)496-0333
<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>	402.496.0300
<b>Email:</b>	eofficeaction@appcoll.com
<b>Correspondent Name:</b>	ROCKWELL COLLINS, INC./SUITER SWANTZ SUI
<b>Address Line 1:</b>	14301 FNB PARKWAY
<b>Address Line 2:</b>	SUITE 220
<b>Address Line 4:</b>	OMAHA, NEBRASKA 68154
<b>ATTORNEY DOCKET NUMBER:</b>	130761US01
<b>NAME OF SUBMITTER:</b>	SEAN PATRICK SUITER
<b>SIGNATURE:</b>	/sean patrick suiter/
<b>DATE SIGNED:</b>	04/30/2021
<b>Total Attachments: 4</b>	
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# ASSIGNMENT OF INVENTION

WHEREAS, Christopher Routh, of Marion, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

## TITLE: ELECTROMAGNETIC (EM) CHANNEL EMULATOR SYSTEM

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 130761US01, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, 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 will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

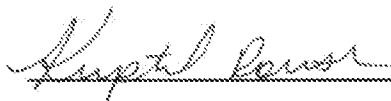
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at City of Marion, County of Linn  
and State of Iowa, this 28 day of April, 2021.



Christopher Routh

Witness Signature:



Witness Printed Name:

Krystal Routh

Witness Address:

1042 Hunters Green Way  
Marion, IA 52302

# ASSIGNMENT OF INVENTION

WHEREAS, Jonathan A. Lovseth, of Marion, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

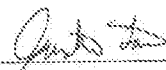
## TITLE: ELECTROMAGNETIC (EM) CHANNEL EMULATOR SYSTEM

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 130761US01, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, 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 will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

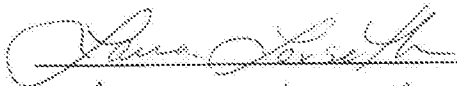
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at City of Marion, County of \_\_\_\_\_  
and State of Linn Iowa, this 29 day of April, 2021.



Jonathan A. Lovseth

Witness Signature:



Witness Printed Name:

Laura Lovseth

Witness Address:

445 Deer Valley Dr  
Marion IA 52302

PATENT

REEL: 056102 FRAME: 0874

ASSIGNMENT OF INVENTION

WHEREAS, Robert McCabe, of Swisher, County of Johnson, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

TITLE: ELECTROMAGNETIC (EM) CHANNEL EMULATOR SYSTEM

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 130761US01, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, 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 will 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 inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.


Executed at City of Cedar Rapids, County of Linn  
and State of Iowa, this 21 day of April, 2021.

  
Robert McCabe

Witness Signature:

Witness Printed Name:

Witness Address:

  
Scott Bjornsen  
750 Emerald St.  
Marion IA 52302

PATENT

REEL: 056102 FRAME: 0875

# ASSIGNMENT OF INVENTION

WHEREAS, Sasha Oster, of Marion, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

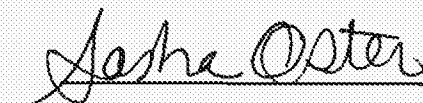
## TITLE: ELECTROMAGNETIC (EM) CHANNEL EMULATOR SYSTEM

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 130761US01, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.


It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, 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 will 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 inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at City of Cedar Rapids, County of \_\_\_\_\_, and State of Iowa, this 30<sup>th</sup> day of April, 2021.

  
Sasha Oster

Witness Signature:



Witness Printed Name:

CARLOS J CHAVEZ

Witness Address:

10814 TRAMER CT  
MARION, IA 52302