PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3009654

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAX G. TAYLOR	09/02/2014
SHAWN M. SPENCER	09/04/2014
JENNIFER A. MYREN	09/02/2014
MATTHEW JACOB CUNNIEN	09/02/2014
MICHAEL ARMSTRONG	09/02/2014
PETER J. FLUGSTAD	09/02/2014
ROY ALLEN RHODES	09/02/2014
RYAN J. OLSON	09/02/2014
SCOTT E. SCHULTZ	09/02/2014

RECEIVING PARTY DATA

Name:	ROCKWELL COLLINS, INC.
Street Address:	400 COLLINS ROAD NE
Internal Address:	ATTN: INTELLECTUAL PROPERTY DEPT, M/S 124-323
City:	CEDAR RAPIDS
State/Country:	IOWA
Postal Code:	52498

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29501517

CORRESPONDENCE DATA

Fax Number: (319)295-8777

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: 319-295-1184

Email: sheila.mathews@rockwellcollins.com

ROCKWELL COLLINS, INC. INTELLECTUAL PROP Correspondent Name:

Address Line 1: 400 COLLINS ROAD NE

Address Line 2: M/S 124-323

Address Line 4: CEDAR RAPIDS, IOWA 52498

ATTORNEY DOCKET NUMBER: 14CR534

> REEL: 033672 FRAME: 0217 502963054

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NAME OF SUBMITTER:	SEAN PATRICK SUITER		
SIGNATURE:	/sean patrick suiter/		
DATE SIGNED:	09/04/2014		
Total Attachments: 9			
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WHEREAS, Max G. Taylor, of Hiawatha, County of <u>Finn</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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 <u>Cedar Ka</u>	<u>にはら</u> , County of _	<u>Linn</u>	and
State of <u>Lowa</u> , this 2	ind day of Sept	ember, 2014.	1
		My bef	<u> </u>
	Ma	ax G. Taylor	
State of Fow A		The same of the sa	
County of Linn)			
On this 2 day of Sept	<u>tember, 2014,</u> b	efore me personally app	eared Max
G. Taylor to me known to be the	person whose name	e is subscribed to the	foregoing
instrument, and acknowledged to me t	hat he executed the s	ame.	
DENISE KRENZ Commission Number 220378 My Confederable Expires	Notary Public: My Commission E	Deruse L	Wen?
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Jenuary 22, 2016

PATENT REEL: 033672 FRAME: 0219

WHEREAS, Shawn M. Spencer, of Cedar Rapids, County of <u>Linn</u>, and State of lowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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.

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State of _	Iowa	_, this $4^{\prime\prime}$ day of _	September	_, 20_14.
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			Shawn M. Sp	
State of	Jour Linn)		
			. 20 / ⁴ /. before	me personally appeared
Shawn M.	Spencer to me know	vn to be the person	whose name is subs	scribed to the foregoing
asuunen	i, and aiknowiedget	i to me that he execu	accu une same.	

Notary Public:

Mv Commission Expirés

Commission Number:

orsifiliaskán Number 775594

November 5, 2015

Commission Expires

WHEREAS, Jennifer A. Myren, of Marion, County of <u>Line</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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.

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State	of LL	22 <i>(</i> 3	, th	nis <u>2</u>	day of _	504	<u> </u>	, 20 <u>14</u>
						Seeman	Dul	1 Mas
						J	enniter A. My	ren 🗸
State Count		Tow Unn	<u>A</u>)				
	On this	<u>a ^0/</u> day	of	epte	mbo.	^z , 20	/ / before m	e personally appeared
Jenni	fer A. Myr	en to me	known to	be the	person	whose na	ame is subsci	ribed to the foregoing
instru	ment, and	l acknowle	edged to	me that	he execu	ited the	same.	

A PARKE	
	My Commission Expires
7844	January 22, 2016

Notary Public: De Notary Publi

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

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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.

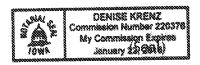
It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and 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.

	Execute	ed at <u>Sedar</u>	Kop.ds	, Count	ty of	Linn)	and
State	of <u></u>	w a	, this <u>2 ^^d</u>	day of <u>S</u>	eptem	ber	, 20 <u>14</u> .	
					/// (MI	112	
						400		
					Ma	tthew .	Jacob Cunnien	

State of Jou A)
County of Jinn)

On this day of September, 2014, before me personally appeared Matthew Jacob Cunnien to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Notary Public: Dense Kranz My Commission Expires: 7-22-76 Commission Number: 220376

WHEREAS, Michael Armstrong, of Central City, County of <u>Linn</u>, and State of lowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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.

Ex	ecuted at <u>್</u> ಷ	ac Repila	, County of		and
State of _	Iowa	, this <u>2 😤</u> da	y of <u>Sapten</u>	ber, 20]4.	
			<u>~</u>	and the second second	
			and the same		
			Mic	hael Armstrong	

State of County of

On this Znday of Saptember, 2014, before me personally appeared Michael Armstrong to me known to be the person whose name is subscribed to the foregoing

instrument, and acknowledged to me that he executed the same.

i Å\$	DENISE KRENZ Commission Number 220376 My Commission Expires
70%	January 2 2 (3614))

WHEREAS, Peter J. Flugstad, of Marion, County of <u>C(M)</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR534, 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.

COMMINICATION	on, substitution, or it	ware ophic	acion on said machinem.	
Exe	cuted at <u> </u>	(nyids	, County of	and
State of	Insk	this <u>Znv</u> d	lay of <u>September</u> , 2014	
			Peter J. Flugstad	<u> Lu</u>
			reter J. Hugstau	
State of County of	FOW A) and a		

On this 2 day of September, 20 19 before me personally appeared Peter J. Flugstad to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

	DENISE KRENZ Commission Number 220378 My (Sereshion Expires January 22, 2018
800000000000000000000000000000000000000	4555, 357 t 0

Notary Public: Alexage From S My Commission Expires: 7-22-76 Commission Number: 220376

WHEREAS, Roy Allen Rhodes, of Marion, County of <u>L/h n</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

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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 <u>Cedar Rapids</u>, County of <u>L/hh</u> and State of <u>Iowa</u>, this <u>Z***</u> day of <u>September</u>, 2014.

<u>Ory Allen Rhodes</u>

State of County of 10

On this 2 day of September 2014, before me personally appeared Roy Allen Rhodes to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

DENISE KRENZ
Commission Number 220378
My Configuration Expires
January 22, 2018

Notary Public: Johns K Flyn 3
My Commission Expires: J= 22 = 16
Commission Number: 220376

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	WHEREAS,	Ryan	J.	Olson,	of	Marior	n, County	of	Linn,	and	State	of	lowa,

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

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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	Cedar Rapids	, County of _	Lina	and
State of	, this <u>2</u> ~ **	day of <u>Sextem</u>	<u>ber</u> , 20 <u>14</u> .	
			14.00	·
		Ry	yan J. Olson	

State of $\frac{1000}{Lin}$ (County of $\frac{1000}{Lin}$)

On this 2 roday of September, 20 14, before me personally appeared Ryan J. Olson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

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184	A Comment Makes 1444.
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/000	January 22, 2018

Notary Public: Deluse K. Kren 3
My Commission Expires: 1-30-16
Commission Number: 220376

WHEREAS, Scott E. Schultz, of Cedar Rapids, County of ______, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

COMPUTER-GENERATED SPATIAL AWARENESS ICON SET AND PORTION OF AN AVIONICS DISPLAY

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Executed at	Celor Ropids,	County of	`nn	and
State of <u> </u>	, this <u>2</u> day (of <u>Septems</u>	<u>in</u> , 20 <u>14</u> .	
			25 //	
		Scott	E. Schultz	

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1526	DENISE KRENZ Commission Number 2201176
	My Commission Expires
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RECORDED: 09/04/2014

Notary Public: August 7-74/15

My Commission Expires: 7-22-6

Commission Number: 220376