PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3156904

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADRIAN A. HILL	12/19/2014
JEREMIAH D. WOLF	12/19/2014
BRYAN S. MCCOY	12/19/2014
MICHAEL C. MEHOLENSKY	12/19/2014
ANDERS P. WALKER	12/19/2014

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:	14577546

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

sheila.mathews@rockwellcollins.com Email:

ROCKWELL COLLINS, INC. INTELLECTUAL PROP **Correspondent Name:**

Address Line 1: 400 COLLINS ROAD NE

Address Line 2: M/S 124-323

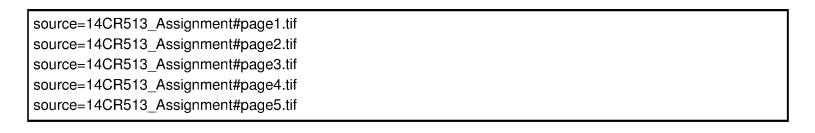
Address Line 4: CEDAR RAPIDS, IOWA 52498

ATTORNEY DOCKET NUMBER:	14CR513
NAME OF SUBMITTER:	RICHARD A. KRUSE
SIGNATURE:	/richard a kruse/
DATE SIGNED:	12/19/2014

Total Attachments: 5

REEL: 034560 FRAME: 0094 503110295

PATENT



WHEREAS, Adrian A. Hill, of Vinton, County of $\underline{\Omega_{Ont}On}$, and State of lowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

OPTICALLY CONTROLLED ELECTRONICALLY SCANNED ARRAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR513, 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 \underline{Cedac} \underline{Rooids} , County of \underline{Linn} and

State of <u>Lowe</u> , this 19 day of _	<u>December</u> , 20 <u>14</u> .
	Adrian A. Hill
State of $\frac{2\omega}{2\sqrt{2}}$ } County of $\frac{2}{2}$	
	D15
On this <u>19</u> day of <u><i>December</i></u>	, 20 <u>/4</u> , before me personally appeared
Adrian A. Hill to me known to be the person wh	nose name is subscribed to the foregoing
instrument, and acknowledged to me that he execu	ted the same.
	e s Comment of the second

Commission Number 702881
My Commission Expires
April 11, 2015

Notary Public: Suc X Dall
My Commission Expires: April 11, 2015
Commission Number: 702681

WHEREAS, Jeremiah D. Wolf, of Marion, County of $\frac{L'NN}{}$, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

OPTICALLY CONTROLLED ELECTRICALLY SCANNED ARRAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR513, 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.

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State of	Tour	, this <u></u> day of _.	Decz	20801	20 <u>,14</u> .
			Alexandria 		
			1	remiah D. Wo	olf //
State of	Iowa St LINN				
County (of <u>2/vv</u>	,			
		December	,	4 520	
(On this <u></u> day of	<u>December</u>	, 20 <u>/</u>	红, before me	personally appeared
Jeremia	h D. Wolf to me kn	own to be the person	whose na	me is subscri	bed to the foregoing
instrum	ent, and acknowledg	ed to me that he exec	cuted the s	same.	
				Store .	Y / Y / 1

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4 A &	Ölikkision Number 702681
	My Commission Expires April 11, 2015
	PQ18 11, 4010

Notary Public: Nace of Nace
My Commission Expires: April 11, 2015
Commission Number: 702681

WHEREAS, Bryan S. McCoy, of Cedar Rapids, County of $2/\sqrt{4}$, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR513, 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.

Exe	cuted at <u>Ceclcus</u>	Repids	, County of	LINU .	and
State of <u></u>	EOWA,	this $\frac{\sqrt{9}}{2}$ da	y of <u>Decen</u>	<u>ber</u> , 20 <u>14</u> .	
			L	ryan 5 No Con	
			Br	yan S. McCoy	
State of County of	Iowa ZINN)			

On this <u>19</u> day of <u>December</u>, 20<u>14</u>, before me personally appeared Bryan S. McCoy 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: <u>Jore J. Jake</u> My Commission Expires: <u>April 11, 2015</u> Commission Number: <u>70268/</u>

WHEREAS, Michael C. Meholensky, of Marion, County of <u>Lina</u>, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

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which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR513, 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 _	Cedur	Rupids	, Cou	inty of	Linn	and
State of	Ten		_, this <u>i</u> "	day of	Occember	, 20 <u>14</u> .	
						1 621	
					Micha	el C. Meholensky	
State or County	***************************************	WRY INN)				

On this <u>19</u> day of <u>December</u>, 20<u>14</u>, before me personally appeared Michael C. Meholensky to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Spail

State

Commission Number 702881

My Commission Expires
April 11, 2015

WHEREAS, Anders P. Walker, of Marion, County of ______, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

OPTICALLY CONTROLLED ELECTRONICALLY SCANNED ARRAY

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 14CR513, 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>LELA Kepial</u> , Coun	ity of <u>Land</u> and
State of, this, this	<u>Dersenbez</u> , 20/4.
	a. La Parell
	Anders P. Walker
State of $\frac{\int d^2 u du}{\int du du}$) County of $\frac{\int du du}{\int du}$)	
On this <u>19</u> day of <u>Jecember</u>	, 20 <u>火</u> , before me personally appeared
Anders P. Walker to me known to be the person wh	nose name is subscribed to the foregoing

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

CONTECT DAHL
CONTESSION Number 702881
My Commission Expires
April 11, 2015

RECORDED: 12/19/2014

Notary Public: <u>Juw X. Dall</u> My Commission Expires: <u>April //, 20/5</u> Commission Number: <u>70268/</u>