502690016 02/21/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2736621

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THEODORE J. HOFFMANN	02/21/2014
MARK M. MULBROOK	02/21/2014
JAMES A. STEVENS	02/21/2014

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:	14186195		

CORRESPONDENCE DATA

Fax Number: (319)295-8777 Phone: 319-295-8280

Email: skmathew@rockwellcollins.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: ROCKWELL COLLINS, INC. INTELLECTUAL PROP

Address Line 1: 400 COLLINS ROAD NE

Address Line 2: M/S 124-323

Address Line 4: CEDAR RAPIDS, IOWA 52498

ATTORNEY DOCKET NUMBER:	13CR657
NAME OF SUBMITTER:	RICHARD A. KRUSE

PATENT 502690016 REEL: 032267 FRAME: 0248

Signature:	/richard a kruse/
Date:	02/21/2014
Total Attachments: 3 source=13CR657_Assignment#page1.tif source=13CR657_Assignment#page2.tif source=13CR657_Assignment#page3.tif	

PATENT REEL: 032267 FRAME: 0249

ASSIGNMENT OF INVENTION

WHEREAS, Theodore J. Hoffmann, of Hiawatha, County of $\frac{\angle inn}{}$, and State of lowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

GEOLOCATION WITH REDUNDANT AIRCRAFT ANTENNAS SYSTEM AND RELATED METHOD

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 13CR657, 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</u>	Rapids	, Count	y of <u>Linn</u>	3	and
State o	f <u>To</u>	<u> </u>	, this <u>21</u>	day of <u>F</u>	bruery	, 20 <u>/4</u> .	
					S. S	Affman 1. Hoffmann	***************************************
State o County		-049)		Higharia 1	. (IOIIIIIAIII)	

On this 2l day of febrias, 20/4, before me personally appeared Theodore J. Hoffman to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

A PARK A	DINOSO DAHL
\$ & \$	Commission Number 702681
	My Commission Expires
10,889	April 11, 2015

> PATENT REEL: 032267 FRAME: 0250

ASSIGNMENT OF INVENTION

WHEREAS, Mark M. Mulbrook, of Marion, County of Lind, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

GEOLOCATION WITH REDUNDANT AIRCRAFT ANTENNAS SYSTEM AND RELATED METHOD

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 13CR657, 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>Ceday</u>			and
State of	,, this $\frac{1}{2}$ day of _	<u>Feb</u> , 20	
		Mah Killer	
		Mark M. Mulbrook	
State of Lowa County of LINN)		
	. **	, 20 <u>/4</u> , before me personall	
Mark M. Mulbrook to me know	n to be the person w	/hose name is subscribed to th	e toregoing

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



Notary Public: Sixus Z. Sall
My Commission Expires: April 11, 2015
Commission Number: 702681

PATENT REEL: 032267 FRAME: 0251

ASSIGNMENT OF INVENTION

WHEREAS, James A. Stevens, of Lucas, County of $\frac{Co | | | | | | |}{Co | | | | |}$, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

GEOLOCATION WITH REDUNDANT AIRCRAFT ANTENNAS SYSTEM AND RELATED METHOD

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 13CR657, 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.

	Execut	ed at <u>Richar</u>	dson	, County of	Collin	and
State	of C	X95	_, this <u>2 ^{3†} d</u> a	ay of <u>Febru</u>	91 <u>y</u> , 20 <u>/4</u> .	
					James & Stere	2
				4	ames A. Stevens	
State Coun		Teyas Pollin))	/		
		f	4 i		. 1	
	On this	<u> </u>	teprue VV), 20_ /	$ ot \underline{\del{4}} ot$, before me personally app	eared
Jame	s A. Stev	ens to me know	n to be the pi	erson whose na	ame is subscribed to the fore	going
instru	ıment, an	id acknowledged	I to me that he	executed the	same.	

Notary Public: Way E. Lobe 1907 (Seal) My Commission Expires: 10/14/30/4 mer Commission Number: 126692/6-8

Motory Public, State of Texas
My Commission Expires
October 14, 2016

REEL: 032267 FRAME: 0252

RECORDED: 02/21/2014