PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Alan D. Amis	09/25/2009
George A. Deprez	09/28/2009
Steven VanLaningham	09/25/2009
Rachel A. Rivera	09/25/2009
Bruce A.B. Babb	09/25/2009

RECEIVING PARTY DATA

Name:	Rockwell Collins, Inc.
Street Address:	400 Collins Road NE
Internal Address:	M/S 124-323
City:	Cedar Rapids
State/Country:	IOWA
Postal Code:	52498

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0959048

CORRESPONDENCE DATA

(319)295-8777 Fax Number:

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

Phone: 3192951000 Email: file@suiter.com Correspondent Name: Rockwell Collins, Inc. Address Line 1: 400 Collins Road NE

Address Line 2: M/S 124-323

Address Line 4: Cedar Rapids, IOWA 52498

09CR520 ATTORNEY DOCKET NUMBER:

PATENT 500976889 REEL: 023308 FRAME: 0594

NAME OF SUBMITTER:	Scot M. Ringenberg
Total Attachments: 5 source=09CR520PCTassignment#page1.tif source=09CR520PCTassignment#page2.tif source=09CR520PCTassignment#page3.tif source=09CR520PCTassignment#page4.tif source=09CR520PCTassignment#page5.tif	

WHEREAS, Alan D. Amis, of Plano, County of Collin, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

DIRECTIONAL MOBILE AD-HOC NETWORK

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR520, 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.

continuatio	on, substitugion,	or reissue applicat	tion on said invention.	
Exe	cuted at <u>Kac</u> l	Lwell Collin	<u> </u>	and
State of	Texas	, this <u>25</u> đa	in of <u>September</u> , 20 <u>09</u>	
			'Gland	10.
			ALAN D. AMIS	
State of County of	Jexas Vallas			

On this <u>25</u> day of <u>September</u>, 20<u>19</u>, before me personally appeared ALAN D. AMIS to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

JUDY THOMPSON
Notacy Public, State of Texas
My Contrinsision Expires
April 10, 2011

Notary Public: Notary

WHEREAS, George A. Deprez, of Dallas, County of Dallas, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

DIRECTIONAL MOBILE AD-HOC NETWORK

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR520, 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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Ex	recuted at <u>Rakivel</u>	1 Collins	_, County of _	Collin	and
State of _	Texas.	this <u>28</u> da	y of <u>Septen</u>	nber, 2009.	
			geo	a Cen	
			(deo	RGEA. DEPREZ	and the state of t
State of County of	Texas)			

On this <u>28th</u> day of <u>September</u>, 20<u>09</u>, before me personally appeared GEORGE A. DEPREZ to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Paralline Miller	iveriliberriikiyeeliilleeniilleeniideegadar, sabbiseeriibeeganiiseeliibee
	MARY E. ROBINSON
	Notary Public Blate of Texas
	My Commission Expires
A STATE OF THE PARTY OF THE PAR	October 14, 2012
Specification of Physiological Physics of the Physi	

My Commission Expires: 0 10/14/2012 Commission Number: 25329

WHEREAS, Steven VanLaningham, of Richardson, County of Dallas, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

DIRECTIONAL MOBILE AD-HOC NETWORK

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR520, 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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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.

Exec	uted at ROCKWEL	1 GLLINS, C	County of	COLLIN	and
State of	TEXAS	, this <u>25</u> day of	SEPTEM	<u>186e</u> , 20 <u>0</u> 9.	_
				8 Va 1/	- -
			STE	VEN VANLANINGHAM	**************************************
State of County of	Texas Vallas)			

On this <u>25</u> day of <u>September</u>, 2009, before me personally appeared STEVEN VANLANINGHAM to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

JUDY THOMPSON
Notice Rublic, State of Texas
My Commission Expires
April 10, 2011

Notary Public: 10, 2011

My Commission Expires: 10, 2011

Commission Number: 124 18334-7

WHEREAS, Rachel A. Rivera, of Murphy, County of Collin, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

DIRECTIONAL MOBILE AD-HOC NETWORK

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR520, 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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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.

Continuation	n, substitution,	or reissue application	on said invention.	
Exec	cuted at <u>Rock</u>	ivell Collins,	County of <u>Collin</u>	and
State of \square	exas	, this <u>25_</u> day o	r <u>September</u> , , 200	<u>1</u> .
			Padul a. 1	inva
			RACHEL A. RIVERA	
State of County of	Texas Dallas)		

On this <u>25</u> day of <u>September</u>, 20<u>09</u>, before me personally appeared RACHEL A. RIVERA 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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New Walter	JUDY THOMPSON	I
	Notary Replica State of Texas	I
	My Commission Expires	I
	April 10, 2011	1
1		2

Notary Public: Acrosson My Commission Expires (April 10 2011 Commission Number: 124 18334-'7)

WHEREAS, Bruce A.B. Babb, of Plano, County of Collin, and State of Texas, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

DIRECTIONAL MOBILE AD-HOC NETWORK

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR520, 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>Rock</u>	ule Colles	, County of <u>Cally</u>	***************************************	and
State of	Teros	, this <u></u> <u>2</u>	of Septense	, 20 <u>09</u> .	
			Bruce	D.B. B.M	·
			BRUCE A.I		
State of County of	Texas Dallas	.)			

On this <u>25</u> day of <u>September</u>, 20<u>09</u>, before me personally appeared BRUCE A.B. BABB to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

JUDY THOMPSON
Notary(Belid) State of Texas
My Commission Expires
April 10, 2011

RECORDED: 09/30/2009