

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ted J. Hoffmann</td> <td>07/20/2010</td> </tr> <tr> <td>Andrew M. Vesel</td> <td>07/21/2010</td> </tr> <tr> <td>Roger A. Dana</td> <td>07/20/2010</td> </tr> <tr> <td>Mark A. Mulbrook</td> <td>07/20/2010</td> </tr> <tr> <td>William C. Jennings</td> <td>07/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ted J. Hoffmann	07/20/2010	Andrew M. Vesel	07/21/2010	Roger A. Dana	07/20/2010	Mark A. Mulbrook	07/20/2010	William C. Jennings	07/20/2010
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Rockwell Collins, Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>400 Collins Road NE</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Intellectual Property Dept, M/S 124-323</td> </tr> <tr> <td><b>City:</b></td> <td>Cedar Rapids</td> </tr> <tr> <td><b>State/Country:</b></td> <td>IOWA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>52498</td> </tr> </table>		<b>Name:</b>	Rockwell Collins, Inc.	<b>Street Address:</b>	400 Collins Road NE	<b>Internal Address:</b>	Intellectual Property Dept, M/S 124-323	<b>City:</b>	Cedar Rapids	<b>State/Country:</b>	IOWA	<b>Postal Code:</b>	52498
<b>Name:</b>	Rockwell Collins, Inc.												
<b>Street Address:</b>	400 Collins Road NE												
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<b>City:</b>	Cedar Rapids												
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p><b>Fax Number:</b> (319)295-8777</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 319-295-8280</p> <p><b>Email:</b> skmathew@rockwellcollins.com</p> <p><b>Correspondent Name:</b> ROCKWELL COLLINS, INC. INTELLECTUAL PROP</p> <p><b>Address Line 1:</b> 400 COLLINS ROAD NE</p> <p><b>Address Line 2:</b> M/S 124-323</p> <p><b>Address Line 4:</b> CEDAR RAPIDS, IOWA 52498</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	10CR191												

CH \$40.00 12841642

**501240732**

**PATENT**  
**REEL: 024727 FRAME: 0616**

NAME OF SUBMITTER:

Jeffrey M. Andersen

Total Attachments: 5

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ASSIGNMENT OF INVENTION

WHEREAS, Ted J. Hoffmann, of Hiawatha, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

MULTI-WAVEFORM ANTENNA AND REMOTE ELECTRONICS FOR AVIONICS

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR191, 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.

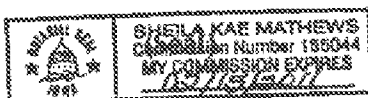
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 20<sup>th</sup> day of July, 2010.

  
TED J. HOFFMANN

State of IOWA )  
County of LINN )

On this 20<sup>th</sup> day of July, 2010, before me personally appeared Ted 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.



Notary Public:

  
Sheila Kae Mathews

My Commission Expires: 02/15/2011

Commission Number: 155044

ASSIGNMENT OF INVENTION

WHEREAS, Andrew M. Vesel, of Indialantic, County of \_\_\_\_\_, and State of Florida, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

MULTI-WAVEFORM ANTENNA AND REMOTE ELECTRONICS FOR AVIONICS

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR191, 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.

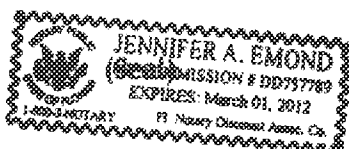
Executed at Melbourne, County of Brevard and State of Florida, this 21 day of July, 2010.

Andrew M. Vesel

ANDREW M. VESEL

State of Florida )  
County of Brevard )

On this 21 day of July, 2010, before me personally appeared ANDREW M. VESEL 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: Jennifer A. Emond

My Commission Expires: DD 757789

Commission Number: 03-01-2012

PATENT

REEL: 024727 FRAME: 0619

## ASSIGNMENT OF INVENTION

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


### MULTI-WAVEFORM ANTENNA AND REMOTE ELECTRONICS FOR AVIONICS

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR191, 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.

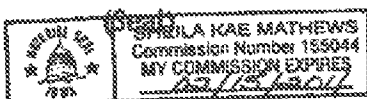
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 20<sup>th</sup> day of July, 2010.

  
\_\_\_\_\_  
ROGER A. DANA

State of IOWA )  
County of LINN )

On this 20<sup>th</sup> day of July, 2010, before me personally appeared Roger A. Dana 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: 

Sheila Kae Mathews

My Commission Expires: 02/15/2011

Commission Number: 155044

## ASSIGNMENT OF INVENTION

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

### MULTI-WAVEFORM ANTENNA AND REMOTE ELECTRONICS FOR AVIONICS

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR191, 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.

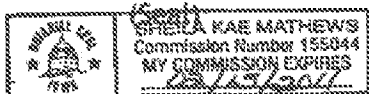
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 20<sup>th</sup> day of July, 2010.

  
MARK M. MULBROOK

State of IOWA )  
County of LINN )

On this 20<sup>th</sup> day of July, 2010, before me personally appeared Mark M. Mulbrook 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:

  
Sheila Kae Mathews

My Commission Expires: 02/15/2011

Commission Number: 155044

# ASSIGNMENT OF INVENTION

WHEREAS, William C. Jennings, of Iowa City, County of Johnson, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

## MULTI-WAVEFORM ANTENNA AND REMOTE ELECTRONICS FOR AVIONICS

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR191, 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.

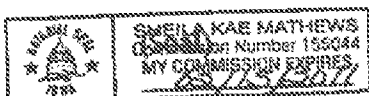
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 20<sup>th</sup> day of July, 2010.

  
WILLIAM C. JENNINGS

State of IOWA )  
County of LINN )

On this 20<sup>th</sup> day of July, 2010, before me personally appeared William C. Jennings 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:

  
Sheila Kae Mathews

My Commission Expires: 02/15/2011  
Commission Number: 155044