

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Lee M. Paulsen</td><td>08/27/2009</td></tr><tr><td>Donald L. Michaels</td><td>08/28/2009</td></tr><tr><td>Robert J. Thompson</td><td>08/31/2009</td></tr><tr><td>Michael J. Cook</td><td>08/28/2009</td></tr><tr><td>John C. Mather</td><td>08/28/2009</td></tr></tbody></table>		Name	Execution Date	Lee M. Paulsen	08/27/2009	Donald L. Michaels	08/28/2009	Robert J. Thompson	08/31/2009	Michael J. Cook	08/28/2009	John C. Mather	08/28/2009
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Rockwell Collins, Inc.</td></tr><tr><td>Street Address:</td><td>400 Collins Road NE</td></tr><tr><td>Internal Address:</td><td>Intellectual Property Dept. M/S 124-323</td></tr><tr><td>City:</td><td>Cedar Rapids</td></tr><tr><td>State/Country:</td><td>IOWA</td></tr><tr><td>Postal Code:</td><td>52498</td></tr></table>		Name:	Rockwell Collins, Inc.	Street Address:	400 Collins Road NE	Internal Address:	Intellectual Property Dept. M/S 124-323	City:	Cedar Rapids	State/Country:	IOWA	Postal Code:	52498
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Street Address:	400 Collins Road NE												
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PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12551112</td></tr></tbody></table>		Property Type	Number	Application Number:	12551112								
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Application Number:	12551112												
CORRESPONDENCE DATA													
Fax Number: (319)295-8777 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 319-295-8280													
Email: skmathew@rockwellcollins.com													
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:	09CR332												

500950610

PATENT
REEL: 023172 FRAME: 0564

CH \$40.00 12551112

NAME OF SUBMITTER:

Jeffrey M. Andersen

Total Attachments: 5

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ASSIGNMENT OF INVENTION

WHEREAS, Lee M. Paulsen, of Cedar Rapids, County of LINN, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

LOW PROFILE, CONFORMAL GLOBAL POSITIONING SYSTEM ARRAY FOR ARTILLERY which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR332, 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.

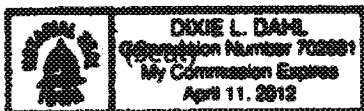
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 27 day of August, 2009.

Lee Paulsen
LEE M. PAULSEN

State of IOWA)
County of LINN)

On this 27 day of AUGUST, 2009, before me personally appeared LEE M. PAULSEN 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: Dixie L. Dahl
My Commission Expires: APRIL 11, 2012
Commission Number: 702681

ASSIGNMENT OF INVENTION

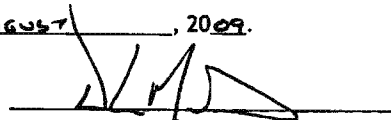
WHEREAS, Donald L. Michaels, of Marion, County of Linn, and State of [State], hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

LOW PROFILE, CONFORMAL GLOBAL POSITIONING SYSTEM ARRAY FOR ARTILLERY which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR332, 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 28th day of August, 2009.


DONALD L. MICHAELS

State of IA)
County of Linn)

On this 28th day of August, 2009, before me personally appeared DONALD L. MICHAELS 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: Mary J. Hanson
My Commission Expires: 10-21-10
Commission Number: 199051

ASSIGNMENT OF INVENTION

WHEREAS, Robert J. Thompson, of CEAR RAPIDS, County of Linn, and State of [State], hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

LOW PROFILE, CONFORMAL GLOBAL POSITIONING SYSTEM ARRAY FOR ARTILLERY which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR332, 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 CEAR RAPIDS, County of Linn and State of Iowa, this 31st day of August, 2009.



ROBERT J. THOMPSON

State of Iowa)
County of Linn)

On this 31st day of August, 2009, before me personally appeared ROBERT J. THOMPSON 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: 03/15/2011
Commission Number: 155044

ASSIGNMENT OF INVENTION


WHEREAS, Michael J. Cook, of Cedar Rapids, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

LOW PROFILE, CONFORMAL GLOBAL POSITIONING SYSTEM ARRAY FOR ARTILLERY which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR332, 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.

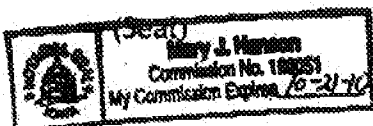
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 28th day of August, 2009.


MICHAEL J. COOK

State of Iowa)
County of Linn)

On this 28th day of August, 2009, before me personally appeared MICHAEL J. COOK 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: Mary J. Hanson
My Commission Expires: 10-21-10
Commission Number: 199051

ASSIGNMENT OF INVENTION

WHEREAS, John C. Mather, of Cedar Rapids, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

LOW PROFILE, CONFORMAL GLOBAL POSITIONING SYSTEM ARRAY FOR ARTILLERY which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR332, 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 CEEDAR RAPIDS, County of LINN and State of IOWA, this 28th day of August, 2009.

John C. Mather
JOHN C. MATHER

State of Iowa)
County of Linn)

On this 28th day of August, 2009, before me personally appeared JOHN C. MATHER 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

PATENT