

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>Howard Fein</td> <td>09/12/2011</td> </tr> <tr> <td>Paul N. Smith</td> <td>08/02/2011</td> </tr> <tr> <td>Wyatt L. Hendrick</td> <td>08/04/2011</td> </tr> <tr> <td>Mark D. Chapman</td> <td>09/07/2011</td> </tr> </tbody> </table>		Name	Execution Date	Howard Fein	09/12/2011	Paul N. Smith	08/02/2011	Wyatt L. Hendrick	08/04/2011	Mark D. Chapman	09/07/2011
Name	Execution Date										
Howard Fein	09/12/2011										
Paul N. Smith	08/02/2011										
Wyatt L. Hendrick	08/04/2011										
Mark D. Chapman	09/07/2011										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13231217</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13231217						
Property Type	Number										
Application Number:	13231217										
CORRESPONDENCE DATA											
Fax Number:	(319)295-8777										
Phone:	319-295-8280										
Email:	skmathew@rockwellcollins.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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										
NAME OF SUBMITTER:	Daniel M. Barbieri										
Total Attachments: 4 source=10CR282_Signed_Assignments#page1.tif source=10CR282_Signed_Assignments#page2.tif source=10CR282_Signed_Assignments#page3.tif source=10CR282_Signed_Assignments#page4.tif											

CH \$40.00 13231217

ASSIGNMENT OF INVENTION

WHEREAS, Howard Fein, of Richmond Heights, County of Cuyahoga, and State of Ohio, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

Optical, Laser-Based, Or Lidar Measuring Systems And Method which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR282, 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.

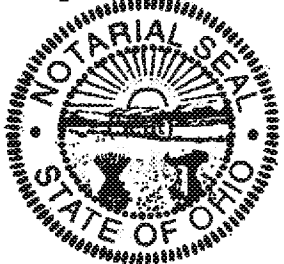
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.


Executed at Richmond Heights, County of Cuyahoga and State of Ohio, this ____ day of August, 2011.


Howard Fein

State of OHIO)
County of CUYAHOGA)

On this 12 day of September, 2011, before me personally appeared Howard Fein 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: 
My Commission Expires: 04/20/13
My Commission Number:

N. KIM PETERS
NOTARY PUBLIC
STATE OF OHIO
Cuyahoga County
Comm. Exp. 04/20/13

ASSIGNMENT OF INVENTION

WHEREAS, Paul N. Smith, 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

Optical, Laser-Based, Or Lidar Measuring Systems And Method which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR282, 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 2nd day of August, 2011.

Paul N. Smith

Paul N. Smith

State of IOWA)

County of LINN)

On this 2nd day of August, 2011, before me personally appeared Paul N. Smith 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*
Sheila Kae Mathews

My Commission Expires: 02/15/2014
My Commission Number: 155044



ASSIGNMENT OF INVENTION

WHEREAS, Wyatt L. Hendrick, of San Diego, County of San Diego, and State of California, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

Optical, Laser-Based, Or Lidar Measuring Systems And Method

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR282, 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 Carlsbad, County of San Diego and State of California, this 4th day of August, 2011.

[Handwritten Signature]

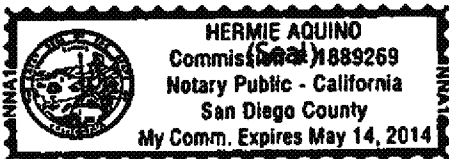
Wyatt L. Hendrick

State of CALIFORNIA)
County of San Diego)

On this 4th day of August, 2011, before me personally appeared Wyatt L. Hendrick 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: *[Handwritten Signature]*

My Commission Expires: MAY 14, 2014
My Commission Number: 1889269



ASSIGNMENT OF INVENTION

WHEREAS, Mark D. Chapman, of Central City, County of Linn, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

Optical, Laser-Based, Or Lidar Measuring Systems And Method which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 10CR282, 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 7th day of August, 2011. *September 30*

Mark D. Chapman
Mark D. Chapman

State of IOWA)

County of LINN)

On this 7th day of August, 2011, before me personally appeared Mark D. Chapman to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same. *September 30*

Notary Public:

Sheila Kae Mathews

My Commission Expires:
My Commission Number:

05/15/2014
155044



PATENT