

FORM PTO-1595

07-08-2009

U.S. DEPARTMENT OF COMMERCE

1-31-92

Patent and Trademark Office

Docket No. 09CR178



103566392

1. Name of conveying party(ies):

Ross K. Wilcoxon  
John C. Mather  
Wajih A. ElSallal  
James B. West

2. Name and address of receiving party(ies):

Rockwell Collins, Inc.  
400 Collins Road NE  
M/S 124-323  
Cedar Rapids, IA 52498

Additional name(s) of conveying party(ies) attached?

YES  NO

Additional name(s) and Address(es) attached:?

YES  NO

3. Nature of conveyance:

Assignment  Merger  Security Agreement  
 Change of Name  Other \_\_\_\_\_

Execution Date: June 24, 2009; June 24, 2009; June 25, 2009; June 24, 2009

4. Application number(s) or patent number(s):

Serial N<sup>o</sup> Filed: June 25, 2009 Express Mail Label N<sup>o</sup>: EM 316812416 US

If this document is being filed together with a new application, the execution date of the application is: June 25, 2009.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached:  YES  NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer No. 26383

Rockwell Collins, Inc.

Intellectual Property Department  
400 Collins Road, NE  
M/S 124-323  
Cedar Rapids, IA 52498

6. Total number of applications and patents involved: ONE

7. Total fee (37 CFR 3.41) \$ 40.00

The Commissioner is hereby authorized to charge the recordation fee to deposit account 19-4882.  
(Attach duplicate copy of this page if paying by deposit account).

DO NOT USE THIS SPACE

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey M. Andersen Reg. No. 52558

DATE: June 25, 2009

Total number of pages including cover sheet: ONE (1)

REEL: 022931 FRAME: 0523

**ASSIGNMENT OF INVENTION**

WHEREAS, Ross K. Wilcoxon, 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

**ROBUST PACKAGING OF A MULTI-BANK CONCENTRIC RING ANTENNA**

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR178, 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.

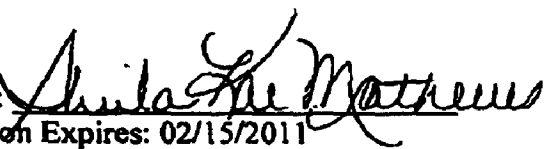
Executed at Cedar Rapids, County of Linn and State of Iowa, this 24<sup>th</sup> day of June, 2009.

  
\_\_\_\_\_  
ROSS K. WILCOXON

State of IOWA )  
County of LINN )

On this 24<sup>th</sup> day of June, 2009, before me personally appeared ROSS K. WILCOXON, 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: 02/15/2011  
Commission Number: 155044

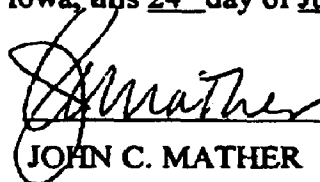
**ASSIGNMENT OF INVENTION**

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 **ROBUST PACKAGING OF A MULTI-BANK CONCENTRIC RING ANTENNA** which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR178, 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 24<sup>th</sup> day of June, 2009.

  
\_\_\_\_\_  
JOHN C. MATHER

State of IOWA )  
County of LINN )

On this 24<sup>th</sup> day of June, 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:   
My Commission Expires: 02/15/2011  
Commission Number: 155044

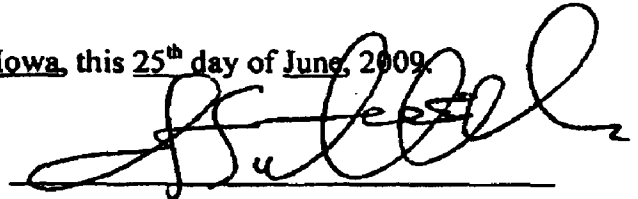
**ASSIGNMENT OF INVENTION**

WHEREAS, Wajih A. El Sallal, 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 **ROBUST PACKAGING OF A MULTI-BANK CONCENTRIC RING ANTENNA** which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR178, 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.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 25<sup>th</sup> day of June, 2009.

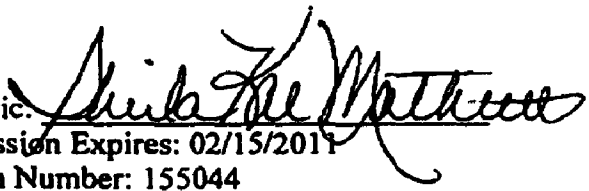


WAJIH A. EL SALLAL

State of IOWA )  
County of LINN )

On this 25<sup>th</sup> day of June, 2009, before me personally appeared WAJIH A. EL SALLAL, 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: 02/15/2011  
Commission Number: 155044

**ASSIGNMENT OF INVENTION**

WHEREAS, James B. West, 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

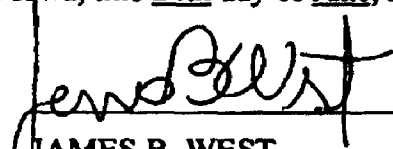
**ROBUST PACKAGING OF A MULTI-BANK CONCENTRIC RING ANTENNA**

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 09CR178, 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 24th day of June, 2009.

  
\_\_\_\_\_  
JAMES B. WEST

State of IOWA )  
County of LINN )

On this 24<sup>th</sup> day of June, 2009, before me personally appeared JAMES B. WEST, 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: 02/15/2011  
Commission Number: 155044