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FORM PTO-1595

1-31-92



103521632

U.S. DEPARTMENT OF COMMERCE

IEET

Patent and Trademark Office

Docket No. 08CR215/KE

PATENTS ONLY

014-00

1. Name of conveying party(ies):

William C. Jennings  
James B. West

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

YES  NO

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) and Address(es) attached:?

YES  NO

3. Nature of conveyance:

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

Execution Date: August 7, 2008 and August 7, 2008

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

Serial N<sup>o</sup> Filed: August 14, 2008 Express Mail Label N<sup>o</sup>: EM 210 498 603 US

If this document is being filed together with a new application, the execution date of the application is: August 14, 2008.

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.

Nathan O. Jensen  
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. N<sup>o</sup> 52,558

DATE: August 14, 2008

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

REEL: 021455 FRAME: 0057

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 A SYSTEM AND METHOD FOR PROVIDING AN ELECTRICALLY SMALL, 900 MEGAHERTZ (MHz) TO 10 GIGAHERTZ (GHz) ULTRA-WIDEBAND, OMNI-DIRECTIONAL AND TCAS OR CISS STEERABLE DIRECTIONAL ANTENNA WITH GPS OR XM CIRCULARLY POLARIZED ANTENNA

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR215/KE, 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 GENAR RAPIDS, County of LINN and State of IOWA, this 7<sup>th</sup> day of August, 2008.

*William C. Jennings*  
WILLIAM C. JENNINGS

State of IOWA )  
County of LINN )

On this 7<sup>th</sup> day of August, 2008, 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

ASSIGNMENT OF INVENTION

WHEREAS, James B. West, of Cedar Rapids, County of WINN, and State of Iowa, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in A SYSTEM AND METHOD FOR PROVIDING AN ELECTRICALLY SMALL, 900 MEGAHERTZ (MHZ) TO 10 GIGAHERTZ (GHZ) ULTRA-WIDEBAND, OMNI-DIRECTIONAL AND TCAS OR CISS STEERABLE DIRECTIONAL ANTENNA WITH GPS OR XM CIRCULARLY POLARIZED ANTENNA

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 08CR215/KE, 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 CEGAR RAPIDS, County of Winn and State of IOWA, this 7<sup>th</sup> day of August, 2008.

[Signature]  
JAMES B. WEST

State of IOWA )  
County of LINN )

On this 7<sup>th</sup> day of August, 2008, 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: [Signature]  
My Commission Expires: 02/15/2011  
Commission Number: 155044