

1-31-92

10-03-2006



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No. 06CR119/KE

103316193

1. Name of conveying party(ies):

Lee M. Paulsen
Daniel N. Chen
James B. West
Brian J. Herting

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 ☒ NO113264 U.S. PTO
11/527235

092606

3. Nature of conveyance:

☒ Assignment ☐ Merger ☐ Security Agreement
☐ Change of Name ☐ Other _____

Execution Date: September 26, 2006, September 26, 2006, September 26, 2006 and September 26, 2006

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

Serial N^o

Filed: September 26, 2006

Express Mail Label N^o: EV 882 791 804 US

If this document is being filed together with a new application, the execution date of the application is: September 26, 2006.

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.

Kyle Eppele
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

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.

Scot M. Ringenberg Reg. N^o 66,989

DATE: September 26, 2006

Total number of pages including cover sheet: **FIVE (5)**

11547235

194882

100000187

09/26/2006 NJAW1

092606

PATENT

REEL: 018354 FRAME: 0129

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-LOSS DUAL POLARIZED ANTENNA FOR SATCOM AND
POLARIMETRIC WEATHER RADAR

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 06CR119/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.

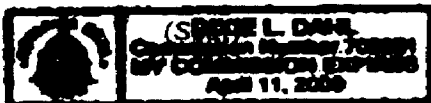
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids, County of Linn and State of Iowa, this 26 day of September, 2006.

Lee M. Paulsen
Lee M. Paulsen

State of Iowa)
County of Linn)

On this 26 day of September, 2006, 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.



Dixie L. Dahl
Notary Public: DIXIE L. DAHL
My Commission Expires: APRIL 11, 2009
Commission Number: 702681

ASSIGNMENT OF INVENTION

WHEREAS, Daniel N. Chen, of Diamond Bar, County of Los Angeles and State of California, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in
LOW-LOSS DUAL POLARIZED ANTENNA FOR SATCOM AND

POLARIMETRIC WEATHER RADAR

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 06CR119/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 Justin County of Orange and State of California this 26 day of October, 2006

Daniel N. Chen
Daniel N. Chen

State of California
County of Orange

On this 26 day of September, 2006, before me personally appeared DANIEL N. CHEN to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

(Seal)

Notary Public: Cassandra Norwood
My Commission Expires: 11/02/2007
Commission Number: 1448933

CASSANDRA NORWOOD
Commission # 1448933
Notary Public - California
Los Angeles County

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
LOW-LOSS DUAL POLARIZED ANTENNA FOR SATCOM AND
POLARIMETRIC WEATHER RADAR

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 06CR119/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.

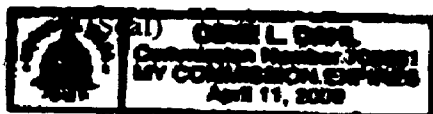
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Cedar Rapids County of Linn and State of Iowa, this 26 day of September, 2006.

State of Iowa)
County of Linn)

James B. West
James B. West

On this 26 day of September, 2006, 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.



Dixie L. Dahl
Notary Public: DIXIE L. DAHL
My Commission Expires: APRIL 11, 2009
Commission Number: 702681

ASSIGNMENT OF INVENTION

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

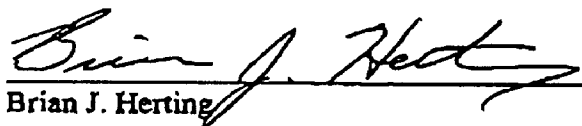
**LOW-LOSS DUAL POLARIZED ANTENNA FOR SATCOM AND
POLARIMETRIC WEATHER RADAR**

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 06CR119/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.

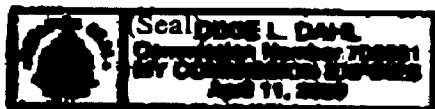
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

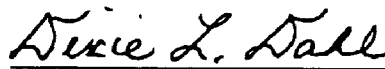
Executed at Cedar Rapids, County of Linn and State of Iowa, this 26 day of September, 2006.


Brian J. Herring

State of Iowa)
County of LINN)

On this 26 day of September, 2006, before me personally appeared BRIAN J. HERTING 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, 2009
Commission Number: 702681