

07-13-2004



102789155

To the Honorable Commissioner of Patents and Trademark

1. Name of conveying party(ies):

Mohamed Wajih A. Elsallal and James B. West

01CR147/KE

Additional names(s) of conveying party(ies) attached [] Yes [xx] No

7-1-04

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

Name: Rockwell Collins, Inc.

Street Address: 400 Collins Rd. NE

City: Cedar Rapids State: IA Zip: 52498

Additional name(s) and address(es) attached? [] Yes [xx] No

3. Nature of Conveyance:

- Assignment [] Merger
- [] Security Agreement [] Change of Name
- [] Other _____

Execution Date: June 28, 2004 and July 1, 2004

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

If this document is being filed together with a new application, the execution date of the application is: July 1, 2004

A. Patent Application No.(s)

10882977

B. Patent No.(s)

Additional numbers attached? [] Yes [xx] No

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

Name: Nathan O. Jensen
 Internal Address: Patent Department 124-323
 Street Address: 400 Collins Rd. NE
 City: Cedar Rapids State: IA 52498

6. Total number of applications and patents involved 1

7. Total Fee (37 CFR 3.41): \$40.00

- [] Enclosed
- Authorized to be charged to deposit account

8. Deposit Account Number: 18-1722
(Attach duplicate copy if paying by Deposit Account)

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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.

Nathan O. Jensen, Reg. # 41,460
Name of Person Signing

Nathan O Jensen
Signature

July 1, 2004
Date

Total number of pages comprising cover sheet [1]

Mail documents to be recorded with required cover sheet information to:

07/12/2004 6TON11 00000100 181722 10882977
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PATENT

700150619

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19270 U.S. PTO
 10/882977
 07010

ASSIGNMENT OF INVENTION

WHEREAS, **Mohamed Wajih A. Elsallal**, of **Amherst**, County of **Hampshire**, and State of **Massachusetts**; and **James B. West**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, hereinafter sometimes referred to as the "inventors", have invented jointly certain new and useful improvements in

**A Multi-Band Wide-Angle Scan Phased Array Antenna
With Novel Grating Lobe Suppression**

which invention or inventions (hereinafter referred to as the "invention") have been disclosed to and filed, under Docket No. **01CR147/KE**, in the patent files of the inventors' 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 inventors have 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 inventors had this Assignment and sale not been made.

FURTHER, said inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents, whether US or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

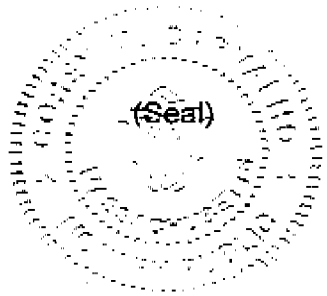
Executed at **Amherst**, County of **Hampshire** and State of **Massachusetts**, this 28th day of **June, 2004**.




Mohamed Wajih A. Elsallal Inventor

State of **Massachusetts**)
County of **Hampshire**)

On this 28th day of **June, 2004** before me personally appeared **Mohamed Wajih A. Elsallal**, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



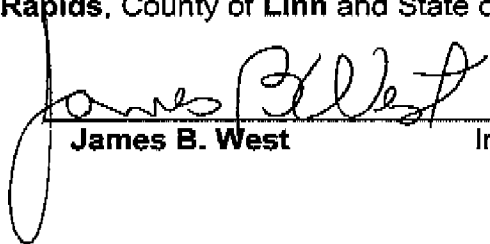


Notary Public: **Corey M. Carvalho**
My Commission Expires: **November 27, 2009**
Commission Number:

Assignment for 01CR147/KE

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Executed at Cedar Rapids, County of Linn and State of Iowa, this 1st day of July, 2004.



 James B. West Inventor

State of IOWA)
County of LINN)

On this 1st day of July, 2004 before me personally appeared James B. West, to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.



Notary Public: Sheila Kae Mathews
My Commission Expires: 2/15/05
Commission Number: 155044

(Seal)

