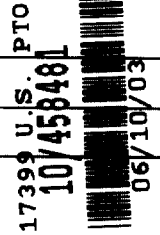


06-19-2003

2 SHEET



To the Honorable Commissioner of Patents,

102477366

Document.

1. Name of conveying party(ies):
James B. West, John C. Mather and Don L. Landt
02CR248/KE
Additional names(s) of conveying party(ies) attached [] Yes [xx] No

6-10-03

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

3. Nature of Conveyance:
[xx] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other
Execution Date: June 10, 2003

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

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: June 10, 2003
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? [] Yes [xx] No

10458481

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Kyle Epele
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
[xx] Authorized to be charged to deposit account
8. Deposit Account Number: 18-1722
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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.

Name of Person Signing

Signature

Date

Kyle Epele, Reg. # 34,155

Kyle Epele

June 10, 2003

Total number of pages comprising cover sheet [1]

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COMMISSIONER OF PATENTS
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ASSIGNMENT OF INVENTION

WHEREAS, **James B. West**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**; and **John C. Mather**, of **Cedar Rapids**, County of **Linn**, and State of **Iowa**, and **Don L. Landt**, of **Marion**, County of **Linn**, and State of **Iowa**, hereinafter sometimes referred to as the "inventors", have invented jointly certain new and useful improvements in

One-Dimensional And Two-Dimensional Electronically Scanned Slotted Waveguide Antennas Using Tunable Band Gap Surfaces

which invention or inventions (hereinafter referred to as the "invention") have been disclosed to and filed, under Docket No. **02CR248/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 **Cedar Rapids**, County of **Linn** and State of **Iowa**, this 10th day of **June**, 2003.

James B. West

James B. West

Inventor

John C. Mather

John C. Mather

Inventor

Don L. Landt

Don L. Landt

Inventor

State of IOWA)
County of LINN)

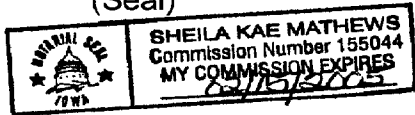
On this 10th day of **June**, 2003 before me personally appeared **James B. West**, **John C. Mather**, and **Don L. Landt** to me known to be the person whose names are subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Sheila Kae Mathews

Notary Public: Sheila Kae Mathews

My Commission Expires: 2/15/05
Commission Number: 155044

(Seal)



PATENT

RECORDED: 06/10/2003

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