

1-31-92

To the Honorable Commissioner of Patents and Trademarks

RECOR

FEB 11 2002

02-20-2002

U.S. DEPT. OF COMMERCE

Patent & Trademark Office

Documents or copy thereof.

1. Name of conveying party(ies):

David Kenyon VAIL

Frank J. TABOR

Daniel P. BLOM; Stephen S. WILSON

Additional name(s) of conveying party(ies) attached () Yes (X) No

101986980

receiving party(ies):

Name: Harris Corporation

Address: 1025 West NASA Blvd.

Melbourne, FL 32919

3. Nature of Conveyance:

(X) Assignment

() Merger

() Security Agreement

() Change of Name

() Other

Execution Date: 1-3) 1/4/02 4) 1/7/02

Additional name(s) and address(s) attached? () Yes (X) 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: _____

A. Patent application No.(s)

B. Patent No.(s)

09/991,534

Additional numbers attached? () Yes (X) No

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

Name: Christopher F. Regan, Esq.

Internal Address: Allen, Dyer,

Doppelt, Milbrath & Gilchrist, P.A.

Street Address: 255 S. Orange Ave.

P.O. Box 3791

City: Orlando

State: Florida Zip: 32802

6. Total number of applications and patents involved: [1]

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

[] Enclosed

[X] Authorized to be charged to deposit account.

8. Deposit Account Number:

08-0870

If any additional extension and/or fee is required, or, if any additional fee for claims is required.

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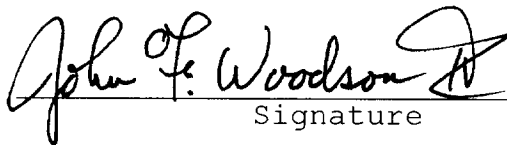
DO NOT USE THIS SPACE

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.

John F. Woodson, II

Name of Person Signing



Signature

January 29, 2002

Date

Total number of pages including cover sheet, attachments and document: [5]

GCSD-1161 (51240)

PATENT

REEL: 012578 FRAME: 0282

A S S I G N M E N T

WHEREAS, **David Kenyon VAIL** of West Melbourne, Florida, and **Frank J. TABOR** of Melbourne, Florida, and **Daniel P. BLOM** of Palm Bay, Florida, and **Stephen S. WILSON** of Melbourne, Florida; hereinafter referred to as **ASSIGNORS**, have made certain improvements or inventions in **PHASED ARRAY ANTENNA INCLUDING A MULTI-MODE ELEMENT CONTROLLER AND RELATED METHOD**, for which **ASSIGNORS** have executed an application for United States Letters Patent filed on November 9, 2001, in the United States Patent and Trademark Office and assigned Serial No. 09/991,534; and

WHEREAS, **HARRIS CORPORATION**, a Delaware corporation, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said **ASSIGNORS** do hereby sell, assign and transfer to said **ASSIGNEE**, its successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said **ASSIGNORS** do hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

And said **ASSIGNORS** for said consideration hereby covenants and agrees that said **ASSIGNORS** are the owners of the

full title herein conveyed and have the right to convey the same, and agree that said **ASSIGNORS** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNORS** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said **ASSIGNEE**, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

In Witness Whereof, I have hereunto set my hand and seal this 4th day of January, 2002.

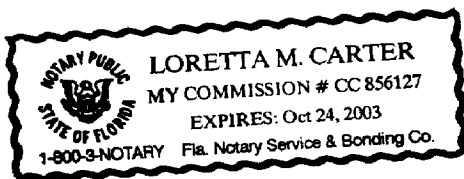
David Kenyon Vail
David Kenyon VAIL

State of FLORIDA :
County of BREVARD : ss.

On this 4 day of JANUARY, 2002

before me personally appeared the above-named ASSIGNOR, **David Kenyon VAIL**, to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

S E A L



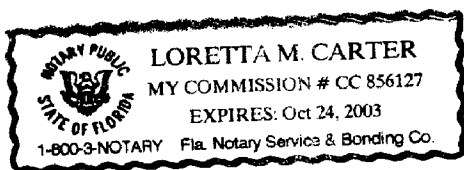
Loretta M. Carter
Notary Public
My commission expires:

In Witness Whereof, I have hereunto set my hand
and seal this 4 day of January, 2002

Frank J. Tabor
Frank J. TABOR

State of FLORIDA :
County of BREVARD : ss.

On this 4 day of JANUARY, 2002
before me personally appeared the above-named ASSIGNOR, **Frank J.**
TABOR, to me personally known as the individual who executed the
foregoing assignment, and who acknowledged to me that he/she
executed the same of his/her own free will for the purposes
therein set forth.



Loretta M. Carter
Notary Public
My commission expires:

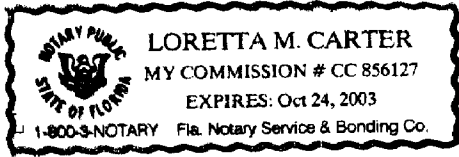
In Witness Whereof, I have hereunto set my hand
and seal this 4 day of January, 2002

Daniel P. Blom
Daniel P. BLOM

State of FLORIDA :
County of BREVARD : ss.

On this 4 day of JANUARY, 2002
before me personally appeared the above-named ASSIGNOR, **Daniel P.**

BLOM, to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



S E A

Loretta M. Carter
Notary Public
My commission expires:

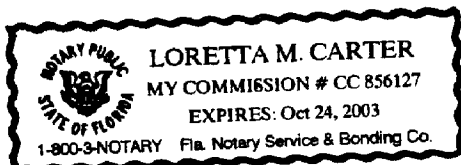
In Witness Whereof, I have hereunto set my hand and seal this 7th day of JAN, 2002

Stephen S. Wilson
Stephen S. WILSON

State of FLORIDA :
County of BREVARD : ss.

On this 7 day of JANUARY, 2002

before me personally appeared the above-named ASSIGNOR, **Stephen S. WILSON**, to me personally known as the individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



S E A L

Loretta M. Carter
Notary Public
My commission expires: