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ATTORNEY DOCKET NO: **232801-00**

101445216

To the Honorable Commissioner of Patents Attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert P. M. Craven
James E. Smith
Larry Hawks
Roy S. Nutter, Jr.
Franz A. Pertl

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

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

Name: **West Virginia University**

Internal Address:
Street Address: **886 Chestnut Ridge Road**

City: **Morgantown** State: **WV** Zip: **26506-6845**

Additional name(s) & address(es) attached? Yes No

jc897 U.S. PTO
09/639361
08/15/00

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **7/24/00; 7/24/00; 7/24/00; 8/10/00; 7/25/00.**

4. Application number(s) or patent number(s): **09639341**

If this document is being filed together with a new application, the execution date of the application is: **7/24/00; 7/24/00; 7/24/00; 8/10/00; 7/25/00.**

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:

Name: **Arnold B. Silverman**
ECKERT SEAMANS CHERIN & MELLOTT, LLC
Internal address:
Street Address: **600 Grant Street, 44th Floor**

City: **Pittsburgh** State: **PA** Zip: **15219**

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:
02-2556

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.
To the best of my knowledge and belief, the forgoing information is true and correct and any attached copy is a true copy of the original document.

Kirk D. Houser
Reg. No. 37,357

[Signature]
Signature

August 15, 2000
Date

Total number of pages including cover sheet, attachments, and documents: **6**

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Patent Application
Washington, DC 20231

09/639361
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Roy S. Nutter, Jr.
RM

ASSIGNMENT

*2647W-4005
KOKOMO, IN.
46902* →

WHEREAS, We, **ROBERT P. M. CRAVEN; JAMES E. SMITH; LARRY HAWKS; ~~ROY NUTTER~~**; and **FRANZ A. PERTL**, residing at **1131 Denver Avenue, Morgantown, WV 26505; Route 4, Box E36, Bruceton Mills, WV 26525; ~~2311 North Washington Street, Kokomo, IN 46904-2677~~; 324 Elmhurst Drive, Morgantown, WV 26505; and 728B Weaver Street, Morgantown, WV 26505**, respectively, have invented certain new and useful improvements in **CONTRAFOUND ANTENNA** for which we are about to make application for Letters Patent of the United States.

AND WHEREAS **WEST VIRGINIA UNIVERSITY**, having a principal place of business at 886 Chestnut Ridge Road, Morgantown, WV 26506-6845, hereinafter called the "Assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said Assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States of America and all foreign countries and any Letters Patent which may issue therefor in the United States of America and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said Assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

EXECUTED this 24th day of July, 2000.

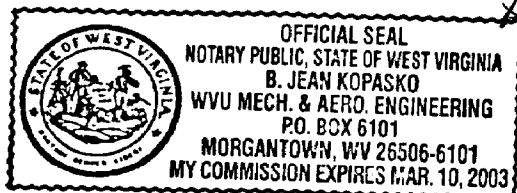
[Signature]
ROBERT P. M. CRAVEN

STATE OF WEST VIRGINIA)
) SS:
COUNTY OF Monongalia)

Before me this 24th day of July, 2000, personally appeared ROBERT P. M. CRAVEN, to me personally known to be the person who is described in and who executed the above instrument, and he acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

[Signature]
Notary Public

(Affix Seal Here)



EXECUTED this ~~24th~~ day of July, 2000.

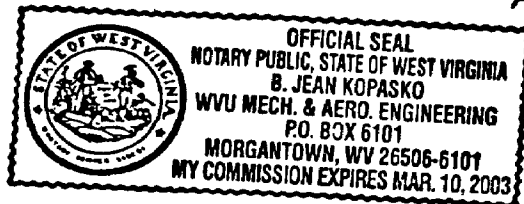
[Signature]
JAMES E. SMITH

STATE OF WEST VIRGINIA)
) SS:
COUNTY OF Monongalia)

Before me this 24th day of July, 2000, personally appeared JAMES E. SMITH, to me personally known to be the person who is described in and who executed the above instrument, and he acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

[Signature]
Notary Public

(Affix Seal Here)



EXECUTED this 10 day of AUG., 2000.

Larry Hawks
LARRY HAWKS

STATE OF INDIANA)
) ss:
COUNTY OF HOWARD)

Before me this 10 day of AUG., 2000, personally appeared LARRY HAWKS, to me personally known to be the person who is described in and who executed the above instrument, and he acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

William Deher
Notary Public
COMMISSION EXPIRES
3/19/01

(Affix Seal Here)

EXECUTED this 25th day of July, 2000.

Roy S. Nutter, Jr.
R.S. Nutter
ROY NUTTER

STATE OF WEST VIRGINIA)
) ss:
COUNTY OF Monongalia)

Before me this 25th day of July, 2000, personally appeared ROY NUTTER, to me personally known to be the person who is described in and who executed the above instrument, and he acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Lucille Freed
Notary Public

(Affix Seal Here)

