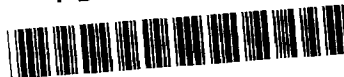


*mre 8/10/00*

REC

10-04-2000



ATTORNEY DOCKET NO: **232801-00164**

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To the Honorable Commissioner of Patents and

original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p><b>Franz A. Pertl</b> <b>Robert P. M. Craven</b> <b>James E. Smith</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>West Virginia University</b></p> <p>Internal Address: Street Address: <b>886 Chestnut Ridge Road</b></p> <p>City: <b>Morgantown</b> State: <b>WV</b> Zip: <b>26506-6845</b></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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06/10/00

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: **7/24/00**

4. Application number(s) or patent number(s): **09/037525**

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

A. Patent Application No.(s):	B. Patent No.(s):
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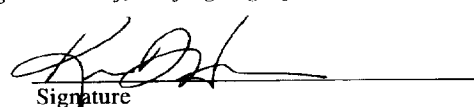
Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Arnold B. Silverman</b> <b>ECKERT SEAMANS CHERIN &amp; MELLOTT, LLC</b></p> <p>Internal address: Street Address: <b>600 Grant Street, 44<sup>th</sup> Floor</b></p> <p>City: <b>Pittsburgh</b> State: <b>PA</b> Zip: <b>15219</b></p>	<p>6. Total number of applications and patents involved: <b>1</b></p> <hr/> <p>7. Total fee (37 CFR 3.41) ..... <b>\$ 40.00</b></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <b>02-2556</b></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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  August 10, 2000  
Reg. No. 37,357 Signature Date

Total number of pages including cover sheet, attachments, and documents: **5**

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

**A S S I G N M E N T**

WHEREAS, We, **FRANZ A. PERTL, ROBERT P. M. CRAVEN, and JAMES E. SMITH**, residing at **728B Weaver Street, Morgantown, WV 26505; 1131 Denver Avenue, Morgantown, WV 26505; and Route 4, Box E36, Bruceton Mills, WV 26525**, respectively, have invented certain new and useful improvements in **ELECTROMAGNETIC 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 24<sup>th</sup> day of July, 2000.

*James E. Smith*  
JAMES E. SMITH

STATE OF WEST VIRGINIA )  
COUNTY OF Monongalia ) ss:

Before me this 24<sup>th</sup> 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.

*B. Jean Kopasko*  
Notary Public

(Affix Seal Here)

