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Form PTO-1595 R  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)  
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To the Honorable Commissioner of P

Remarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John L. Ebel  
Rebecca Cortez  
Richard E. Strawser  
Kevin D. Leedy

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

2. Name and address of receiving party(ies)

Name: Government of the United States of America  
represented by the Secretary of the Air Force  
Internal Address: ESC/JAZ

Street Address: 40 Wright Street  
Bldg 1120

City: Hanscom AFB State: MA Zip: 01731-2903

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

3. Nature of conveyance:

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

Execution Date: 9 Aug 05, 9 Aug 05, 9 Aug 05, 9 Aug 05

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) \_\_\_\_\_  
11/216,261

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: ESC/JAZ

Internal Address: \_\_\_\_\_

Street Address: 40 Wright Street

City: Hanscom AFB State: MA Zip: 01731-2903

6. Total number of applications and patents involved:

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:

AF01-0465

DO NOT USE THIS SPACE

9. Signature.

JULIAN L. SIEGEL  
Name of Person Signing

*Julian L. Siegel*  
Signature

17 Oct 2005  
Date

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

10/25/2005 ECDOPER 00000199 010465 11216261

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(40.00 DA)

PATENT  
REEL: 017120 FRAME: 0228

AFB00754

**ASSIGNMENT**  
(x gov)

WHEREAS, we, John L. Ebel, Rebecca Cortez, Richard E. Strawser, and Kevin D. Leedy, while employed by the Government of the United States, made an invention entitled METHOD OF FORMING A LOW COST DIGITAL VARIABLE CAPACITOR and described in application for Letters Patent of the United States executed by us on or about the 19<sup>th</sup> day of August, 2005, the 19<sup>th</sup> day of August, 2005, the 19<sup>th</sup> day of August, 2005, and on the 19<sup>th</sup> day of August, 2005.

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph 1 (a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, we John L. Ebel, Rebecca Cortez, Richard E. Strawser, and Kevin D. Leedy, the inventors, have sold, assigned and transferred and by these presents do sell, assign and transfer unto the Government of the United States of America as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, and all Letters Patent issuing thereon and any continuations, divisions and reissues or extensions thereof; we hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the Government of the United States of America, as represented by the Secretary of the Air Force, and his/her successors, as assignee of our entire right, title and interest in and to the same throughout the United States of America, its territories and dependencies, for the sole use for the full term or terms for which said Letters Patent and any continuations, divisions and reissues or extensions thereof are, or may be granted as fully and entirely as the same would have been held by us had this assignment not been made; and we do hereby also grant unto the Government of the United States as represented by the Secretary of the Air Force, our right, title, and interest in said invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to us of any further consideration; provided, however, that this grant to take foreign rights in our invention, or application for Letters Patent thereon, shall have force and effect only as to such applications filed in foreign countries, and that all foreign rights not exercised under this grant are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power

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to issue sub-licenses for use in behalf of the Government of the United States and/or in furtherance of the foreign policies of the Government of the United States; and we hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation and filing of such applications, or for the Government to exercise its option granted hereunder, except that it shall be understood that we shall not be subject to any out-of-pocket expense relative to such action.

Inventor John L. Ebel  
JOHN L. EBEL

STATE OF: Ohio  
COUNTY OF Montgomery ss.

Before me, a Notary Public in and for the county of Montgomery and state of Ohio, on this 9th day of August, 2005, personally appeared John L. Ebel to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledges said instrument to be his free act and deed.

BARBARA M. FANNIN, Notary Public  
In and for the State of Ohio  
My Commission Expires Nov. 5, 2009

Barbara M. Fannin  
Notary Public

(Seal)

Inventor Rebecca Cortez  
REBECCA CORTEZ

STATE OF: Ohio  
COUNTY OF Montgomery ss.

Before me, a Notary Public in and for the county of Montgomery and state of Ohio, on this 9th day of August, 2005, personally appeared Rebecca Cortez to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed.

BARBARA M. FANNIN, Notary Public  
In and for the State of Ohio  
My Commission Expires Nov. 5, 2009

Barbara M. Fannin  
Notary Public

(Seal)

Inventor Richard E. Strawser  
RICHARD E. STRAWSER

STATE OF: Ohio  
COUNTY OF Montgomery SS.

Before me, a Notary Public in and for the county of Montgomery and state of Ohio, on this 9th day of August, 2005, personally appeared Richard E. Strawser to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledges said instrument to be his free act and deed.

BARBARA M. FANNIN, Notary Public  
In and for the State of Ohio  
My Commission Expires Nov. 5, 2009

Barbara M. Fannin  
Notary Public

(Seal)

Inventor K. D. Leedy  
KEVIN D. LEEDY

STATE OF: Ohio  
COUNTY OF Montgomery SS.

Before me, a Notary Public in and for the county of Montgomery and state of Ohio, on this 9th day of August, 2005, personally appeared Kevin D. Leedy to me known personally, who being duly sworn did say that he is one of the inventors who signed the above instrument and acknowledged said instrument to be his free act and deed.

BARBARA M. FANNIN, Notary Public  
In and for the State of Ohio  
My Commission Expires Nov. 5, 2009

Barbara M. Fannin  
Notary Public

(Seal)