

03/23/00

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

04-19-2000



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U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT****RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New



Resubmission (Non-Recordation)

Document ID#



Correction of PTO Error

Reel #

Frame #



Corrective Document

Reel #

Frame #

**Conveyance Type**

Assignment



Security Agreement



License



Change of Name



Merger



Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)



Departmental File



Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

Name (line 1)

Ruell F. Solberg, Jr.

03/20/00

Name (line 2)

Execution Date  
Month Day Year**Second Party**

Name (line 1)

Dayle D. Winnie

03/23/00

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1)

Southwest Research Institute

If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2)

Address (line 1)

6220 Culebra Road

Address (line 2)

Address (line 3)

San Antonio

Texas

78238

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

04/19/2000 JSMBBAZZ 00000054 09533981

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practices. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231**PATENT**  
**REEL: 010697 FRAME: 0577**10525 U.S. PTO  
09/533981

03/23/00



**Correspondent Name and Address**

Area Code and Telephone Number (210) 886-9500

Name Michelle L. Evans

Address (line 1) Gunn, Lee & Keeling

Address (line 2) 700 N. St. Mary's Street, Suite 1500

Address (line 3) San Antonio, Texas 78205

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 4

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
02/18/00

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT PCT PCT  
PCT PCT PCT

**Number of Properties**

Enter the total number of properties involved.

#

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**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:  
Deposit Account

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 500808

Authorization to charge additional fees:

Yes

☒

No

☐

**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. Charges to deposit account are authorized, as indicated herein.

Michelle L. Evans  
Name of Person Signing

Michelle L. Evans  
Signature

03.23.00  
Date



RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Steven P. Saulnier

Execution Date  
Month Day Year  
03/23/00

Name (line 2) ~~Charles K. Baker~~

Execution Date  
Month Day Year

Name (line 1) Charles K. Baker

03/23/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Patrick J. Siemsen

03/23/00

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

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Patent Number(s)

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CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

U.S. PTO  
09/533981  
03/23/00

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) Charles H. Parr

03/23/00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Name (line 2)

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City

State/Country

Zip Code

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Patent Number(s)

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                              |   |                           |
|------------------------------|---|---------------------------|
| <b>In Re Application of</b>  | § |                           |
| Ruell F. Solberg, Jr., et al | § | <b>Date:</b>              |
|                              | § |                           |
| <b>Serial No.:</b>           | § | <b>Action:</b> Assignment |
|                              | § |                           |
| <b>Filed:</b> herewith       | § |                           |

**Title:** *Polymer, Composite, Direction-Finding Antenna*

**TO:** Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

WHEREAS, we, Ruell F. Solberg, Jr., a citizen of the United States, who resides at 5906 Forest Cove, San Antonio, Texas 78240; Dayle D. Winnie, a citizen of the United States, who resides at 2902 War Feather Drive, San Antonio, Texas 78238; Steven P. Saulnier, a citizen of the United States who resides at 14302 Turtle Rock, San Antonio, Texas 78232; Charles K. Baker, a citizen of the United States who resides at 902 River Stone Drive, San Antonio, Texas 78258; Patrick J. Siemsen, a citizen of the United States who resides at 7903 Las Olas, San Antonio, Texas 78250; and Charles H. Parr, a citizen of the United States, who resides at 8822 Shady Winds, San Antonio, Texas 78250, are joint inventors of new and useful improvements in *Polymer, Composite, Direction-Finding Antenna* for which we have executed an application for Letters Patent on even date herewith; and

WHEREAS, we represent that we are joint owners of said invention and application for Letters Patent; and

WHEREAS, SOUTHWEST RESEARCH INSTITUTE, hereinafter called "ASSIGNEE," a Texas Corporation having its principal office at 6220 Culebra Road, San Antonio, Bexar County, Texas, is desirous of acquiring our right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the invention therein contained;



NOW, THEREFORE, for and in consideration of the sum of Sixty-Five Dollars (\$65.00) lawful money of the United States, and valuable other consideration, to us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said Ruell F. Solberg, Jr., Dayle D. Winnie, Steven P. Saulnier, Charles K. Baker, Patrick J. Siemsen, and Charles H. Parr have sold, assigned and transferred, and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, our entire right, title and interest in and to (a) said invention and worldwide rights therein, including the right to claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including all reissues, renewals, divisions and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file applications for Letters Patent on said invention in any and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this Assignment and sale not been made.

We request that any and all such Letters Patent for said invention be issued to ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

We covenant and agree that we and our executors or administrators will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful and public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect this Assignment.

ASSIGNORS further covenant with ASSIGNEE that the rights and property herein conveyed are free and clear of any encumbrances, and that ASSIGNORS have the full right to convey the same as herein expressed.



IN TESTIMONY WHEREOF, we have fully executed this Assignment this 20<sup>th</sup> day  
of March, 2000.

Ruell F. Solberg, Jr.  
Ruell F. Solberg, Jr.

Dayle D. Winnie  
Dayle D. Winnie

Steven P. Saulnier  
Steven P. Saulnier

Charles K. Baker  
Charles K. Baker

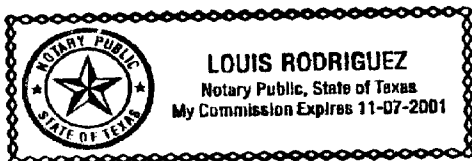
Patrick J. Siemsen  
Patrick J. Siemsen

Charles H. Parr  
Charles H. Parr

STATE OF TEXAS       §  
                                  §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared RUELL F. SOLBERG, JR., known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 18<sup>th</sup> day of February, 2000.



[Signature]  
Notary Public, State of Texas

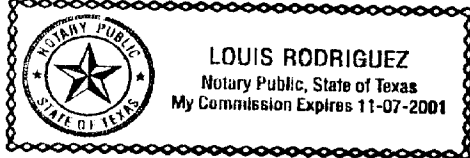


STATE OF TEXAS           §  
                                      §  
 COUNTY OF BEXAR       §

BEFORE ME, the undersigned authority, on this day personally appeared DAYLE D. WINNIE, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 18<sup>th</sup> day of February, 2000.

Louis Rodriguez  
 Notary Public, State of Texas



STATE OF TEXAS           §  
                                      §  
 COUNTY OF BEXAR       §

BEFORE ME, the undersigned authority, on this day personally appeared STEVEN P. SAULNIER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 20<sup>th</sup> day of March, 2000.

Monica Ramirez Trollinger  
 Notary Public, State of Texas

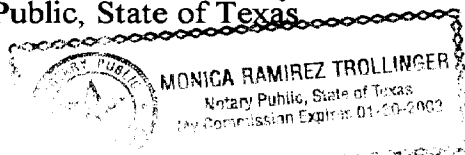
STATE OF TEXAS           §  
                                      §  
 COUNTY OF BEXAR       §



BEFORE ME, the undersigned authority, on this day personally appeared CHARLES K. BAKER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 10<sup>th</sup> day of February, 2000.

Monica Ramirez Trollinger  
 Notary Public, State of Texas



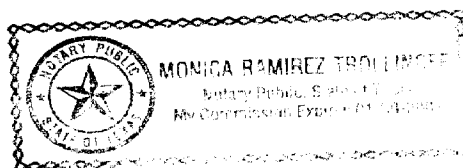


STATE OF TEXAS       §  
                                  §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared PATRICK J. SIEMSEN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 20th day of March, 2000.

Monica Ramirez Trollinger  
Notary Public, State of Texas



STATE OF TEXAS       §  
                                  §  
COUNTY OF BEXAR   §

BEFORE ME, the undersigned authority, on this day personally appeared CHARLES H. PARR, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 16th day of February, 2000.

Monica Ramirez Trollinger  
Notary Public, State of Texas

