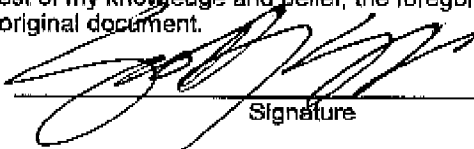



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| Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings → → → | | RECORDATION FORM COVER SHEET PATENTS ONLY | | U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office | |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. | | | | | |
| 1. Name of conveying party(ies): Andrew Corporation | | 2. Name and address of receiving party(ies) Name <u>Electronics Research, Inc.</u> Internal Address _____ _____ Street Address <u>7777 Gardner Road</u> _____ City <u>Chandler</u> State <u>IN</u> Zip <u>47610</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name of <input type="checkbox"/> Other | | | | | |
| Execution Date: November 21, 2003 | | | | | |
| 4. Application number(s) or registration 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) <u>See Attached List</u> B. Patent No.(s) <u>See Attached List</u> Additional number(s) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name <u>Scott J. Stevens</u> Internal Address <u>Woodard, Emhardt, Moriarty, McNett,</u> <u>& Henry LLP</u> Street Address <u>111 Monument Circle</u> <u>Suite 3700</u> City <u>Indianapolis</u> State <u>IN</u> ZIP <u>46204</u> | | 6. Total number of applications and patents involved: <u>14</u> 7. Total fee (37 CFR 3.41) <u>\$ 560.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account | | | |
| | | 8. Deposit account number: <u>23-3030</u> (Attach duplicate copy of this page if paying by deposit account) | | | |
| 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. <u>Scott J. Stevens</u>  <u>December 17, 2003</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: <u>7</u> | | | | | |

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|--|-------------------|--------------------|--|
| I hereby certify that this correspondence is being facsimile transmitted to the Commissioner for Patents at (703) 306-5995: | | | |
| Date of Transmission: | December 17, 2003 | Date of Signature: | December 17, 2003 |
| Name of Person Signing: | Scott J. Stevens | Signature: |  |

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4A Continued: Patent Applications

1. United States Patent Application No. 10/303,991 - Fanton, filed November 25, 2002
2. United States Patent Application No. 10/604,219 - Mamak et al., filed July 1, 2003
3. United States Patent Application No. 10/249,392 - Fallon et al., filed April 4, 2003

4B Continued: Patent Registrations

1. United States Patent No. 4,543,548 - Seal et al., issued September 24, 1985
2. United States Patent No. 4,564,826 - Wiesenfarth et al., issued January 14, 1986
3. United States Patent No. 4,628,538 - Basa, issued December 9, 1986
4. United States Patent No. 4,654,612 - Smith, issued March 31, 1987
5. United States Patent No. 4,851,857 - Dienes, issued July 25, 1989
6. United States Patent No. 4,907,008 - Dienes, issued March 6, 1990
7. United States Patent No. 5,017,938 - Dienes, issued May 21, 1991
8. United States Patent No. 5,021,797 - Dienes, issued June 4, 1991
9. United States Patent No. 5,506,591 - Dienes, issued April 9, 1996
10. United States Patent No. 5,999,071 - Ostertag, issued December 7, 1999
11. United States Patent No. 6,492,959 - Heatherwick et al., issued December 10, 2002

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT, dated as of this 21st day of November, 2003 is made by Andrew Corporation, a Delaware corporation ("Assignor") to Electronics Research, Inc., an Indiana corporation (the "Assignee").

BACKGROUND

Assignor and Assignee have entered into an Asset Purchase Agreement dated contemporaneously herewith, pursuant to which Assignor has agreed to assign certain assets to Assignee, including the patents and patent applications listed on the attached Schedule 1, in accordance with the terms and conditions set forth below:

NOW, THEREFORE, in consideration of the covenants and conditions contained herein, the parties hereby agree as follows:

TERMS AND CONDITIONS

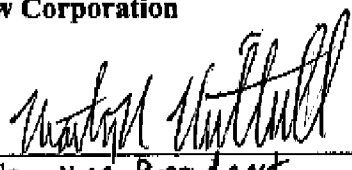
For good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and convey to Assignee its entire right, title and interest in and to the patents and patent applications listed on the attached Schedule 1 ("Patents"), including all inventions and improvements claimed therein; all reissues, divisionals, continuations, renewals, and continuations-in-part of any of the foregoing; including all income, right, damages or payments now and hereafter due and/or payable with respect to the Patents, including without limitation damages or payments for infringement of the Patents, the royalty to use for infringements of the Patents, to be held and enjoyed by Assignee for Assignee's own use and enjoyment as fully and entirely as would have been held and enjoyed by Assignor if this assignment, transfer, conveyance and sale had not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to record Assignee as the owner of the true right, title and interest in and to the Patents. Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed and will not execute any agreement in conflict herewith.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

ASSIGNORS

Andrew Corporation

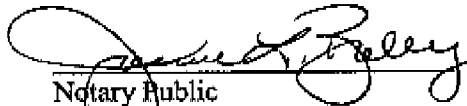
By: 
Title: Vice President

ASSIGNEE

Assignee:
Electronics Research, Inc.

By: _____
Title: _____

Subscribed and Sworn to
before me this 20th day of
November, 2003.

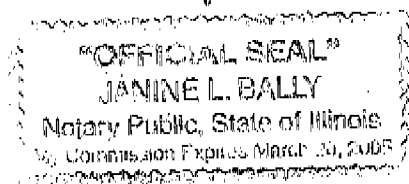

Notary Public

My Commission Expires: March 20, 2005

Subscribed and Sworn to
before me this _____ day of
_____, 2003.

Notary Public

My Commission Expires: _____



Signature Page to Patent Assignment

PATENT

REEL: 014201 FRAME: 0182

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

ASSIGNORS

ASSIGNEE

Andrew Corporation

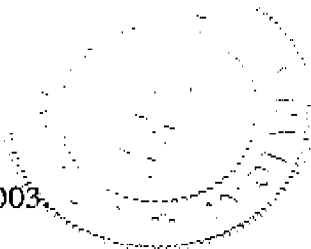
Assignee:
Electronics Research, Inc.

By: _____
Title _____

By: Thomas B. Sullivan
Title: PRESIDENT

Subscribed and Sworn to
before me this _____ day of
_____, 2003.

Subscribed and Sworn to
before me this 21 day of
November, 2003.



Notary Public

Cindy D. Jones
Notary Public

My Commission Expires: _____

My Commission Expires: 11-06-06

SCHEDULE 1**Patents**

1. United States Patent No. 4,543,548, titled "Coaxial Transmission Line Having An Expandable and Contractible Bellows" by William W. Seal and Laddie A. Basa, issued September 24, 1985.
2. United States Patent No. 4,564,826, titled "Multiple Mitered Circular Waveguide Bend" by Hans J. Wiesenfarth and Geza Dienes, issued January 14, 1986.
3. United States Patent No. 4,628,538, titled "Television Transmission System Using Overmoded Waveguide" by Laddie A. Basa, issued December 9, 1986.
4. United States Patent No. 4,654,612, titled "Spring Hanger System for UHF Circular Waveguide Having Glide Ring and Clamping Ring Connected by Constant Force Springs" by Richard D. Smith, issued March 31, 1987.
5. United States Patent No. 4,851,857, titled "High-Power, End-Fed, Non-Coaxial UHF-TV Broadcast Antenna" by Geza Dienes, issued July 25, 1989.
6. United States Patent No. 4,907,008, titled "Antenna for Transmitting Circularly Polarized Television Signals" by Geza Dienes, issued March 6, 1990.
7. United States Patent No. 5,017,938, titled "UHF-TV Broadcast System Having Circular, Non-Coaxial Waveguide Transmission Line for Operation in the TE_{11} Mode" by Geza Dienes, issued May 21, 1991.
8. United States Patent No. 5,021,797, titled "Antenna for Transmitting Elliptically Polarized Television Signals" by Geza Dienes, issued June 4, 1991, expiring May 9, 2010.
9. United States Patent No. 5,506,591, titled "Television Broadcast Antenna for Broadcasting Elliptically Polarized Signals" by Geza Dienes, issued April 9, 1996.
10. United States Patent No. 5,999,071, titled "Apparatus for Reducing VSWR in Rigid Transmission Lines" by Edward L. Ostertag, issued December 7, 1999.
11. United States Patent No. 6,492,959, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamk, issued December 10, 2002, expiring October 19, 2020.
12. Canadian Patent No. 2,323,861, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamak, issued April 15, 2003.

13. United Kingdom Patent No. 2,355,592, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamak, issued July 9, 2003.
14. United States Patent Appl. No. 10/303,991, titled "Method and Apparatus for Calibration of a Vector Network Analyzer" by Myron D. Fanton, filed November 25, 2002.
15. United States Patent Appl. No. 10/604,219, titled "Multiple Antenna Configuration and Support Structure" by Walter J. Mamak and Kerry D. Scharp, filed July 1, 2003.
16. United States Patent Appl. No. 10/249,392, titled "Variable Coupling Factor Directional Coupler" by Dan Fallon and Kerry Phelps, filed April 4, 2003.