

09-14-1998



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U.S. DEPARTMENT OF COMMERCE  
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):

LTV Aerospace and Defense Company

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☒ Other Correction to Assignment to correct patent number  
from 4,792,903 to 4,792,904.

Execution Date: March 19, 1992

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

Name: Sierra Technologies, Inc.

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

Street Address: 485 Cayuga Road

City: Buffalo State NY Zip 14225

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

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)

B. Patent No.(s) 4,792,904

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert C. Jones

Address: Brooks & Kushman P.C.

1000 Town Center, Twenty-Second Floor

City: Southfield State: MI ZIP: 48075

6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. § 3.41) ..... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to Deposit Account

8. Deposit Account Number: 02-3978

(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 foregoing information is true and correct, and any attached copy is a true copy of the original document.

Robert C. Jones

Name of Person Signing

Robert C. Jones

Signature

9/01/98

Date

Total number of pages including cover sheet, attachments, and document: 7

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

PATENT  
REEL: 9436 FRAME: 0434

PATENT ASSIGNMENT

This Assignment of Letters Patent and Applications for Letters Patent (this "Assignment") dated as of this 20th day of March, 1992 by and between LTV Aerospace and Defense Company, a Delaware corporation, with its principal office and place of business at Thayer Building, 1701 West Marshall Drive, Grand Prairie, Texas 75051 ("Assignor"), and Sierra Technologies, Inc., a Delaware corporation, with its principal office and place of business at 485 Cayuga, Cheektowaga, New York 14225 ("Assignee").

WHEREAS, pursuant to that certain Asset Purchase Agreement dated as of August 30, 1991 by and between Assignor and Assignee, as amended, (the "Asset Purchase Agreement") (hereinafter undefined capitalized terms will have the same meaning as those terms have in the Asset Purchase Agreement), Assignor is to sell to Assignee all right, title and interest of Assignor in and to all rights, properties and assets used in or pertaining to the operation of the Business;

WHEREAS, Assignor is the owner of the entire right, title and interest in and to the U.S. and International patents, patent applications and all inventions disclosed therein, that are listed on Schedule A attached hereto;

WHEREAS, Assignor desires to sell, assign, transfer, convey and set over unto Assignee, and Assignee desires to acquire, all of Assignor's right, title and interest in and to all such patents, patent applications and inventions disclosed therein or otherwise assigned hereby;

NOW, THEREFORE, for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said U.S. and International patents, patent applications and all inventions identified separately from or disclosed therein, that are listed in Exhibit A hereto, including, but not limited to, all reissues, re-examination certificates, substitutions, divisions, continuations, continuations-in-part and extensions of all such patents and patent applications, including the right to sue for and recover damages for past infringement of the foregoing properties; and ASSIGNOR does hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue all U.S. patents for said inventions, or U.S. patents resulting from such U.S. Patent applications, to ASSIGNEE.

ASSIGNOR further agrees to execute, and to have its employees, agents and representatives execute, any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect the rights, title and interest hereby assigned, in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR hereby further agrees that it will, at the expense of said ASSIGNEE, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to said ASSIGNEE, its successors, assigns and legal representatives, to obtain and enforce proper protection for the inventions hereby assigned in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand this 20th day of March, 1992.

LTV AEROSPACE AND DEFENSE COMPANY

By: 

Name: J.E. Hawley

Title: Senior Vice President-Finance

STATE OF TEXAS §

§

S.S.

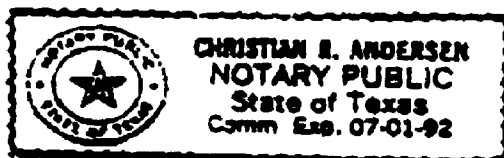
COUNTY OF DALLAS §

§

On this 19th day of March, 1992, before me personally appeared J.E. Hawley, the person who signed this instrument, who acknowledged to me that he executed the same as a free act on behalf of LTV Aerospace and Defense Company with authority to do so.

  
Notary Public in and for the State of Texas

My Commission Expires: July 1, 1993



SIERRA TECHNOLOGIES, INC.

By: 

Name

Vice President and General  
Title Counsel

DATE:

21 April 1994

EXHIBIT A  
PATENTS (ISSUED)

<u>Name of Patent</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Name Of Inventor</u>	<u>Country</u>
Relative Position Navigation System with Means for Computing Synthetic Azimuth	598,317	Oct. 6, 1990	James Doane	Australia
Microwave Tube Modulator	581,948	Nov. 2, 1988	Dan Ehrenhalt	Canada
Method for Packaging a Microwave Tube Modulator	582,433	April 2, 1991	Dan Ehrenhalt	Canada
Relative Position Navigation System with Means for Computing Synthetic Azimuth	551,224		James Doane	Canada
Relative Position Navigation System with Means for Computing Synthetic Azimuth	273,888	Nov. 29, 1989	James Doane	E. Germany
Frequency Control System	PCT/US89/00012	Jan. 1, 1989	Fred Reinagel	EPC (Belgium, Germany, Japan, Denmark, Italy, Holland)
Microwave Tube Modulator	88310281.6	Nov. 1, 1988	Dan Ehrenhalt	EPC
Method for Packaging a Microwave Tube Modulator	88310282.4	Nov. 1, 1988	Dan Ehrenhalt	EPC (Belgium, France, Germany, Great Britain, Italy, Netherlands, Sweden)
Relative Position Navigation System with Means for Computing Synthetic Azimuth	871,15408		James Doane	France
Relative Position Navigation System with Means for Computing Synthetic Azimuth	2196267	Feb. 6, 1991	James Doane	Great Britain
Relative Position Navigation System with Means for Computing Synthetic Azimuth			James Doane	Israel
Microwave Tube Modulator	088142	Oct. 25, 1988	Dan Ehrenhalt	Israel
Frequency Control System	088640	Sept. 24, 1991 (Acceptance Notice)	Fred Reinagel	Israel
Method for Packaging a Microwave Tube Modulator	088143	Oct. 25, 1988	Dan Ehrenhalt	Israel
Relative Position Navigation System with Means for Computing Synthetic Azimuth			James Doane	Japan

Relative Position Navigation System with Means for Computing Synthetic Azimuth	9355		James Doane	Method (inverted) is rejected by SRO
Relative Position Navigation System with Means for Computing Synthetic Azimuth	222478	Nov. 9, 1987	James Doane	New Zealand
Frequency Control System	2,010,292	Sept. 11, 1989	Fred Reinagel	Spain
Frequency Control System	38,910	Aug. 29, 1990	Fred Reinagel	Taiwan
Computerized Flight Inspection System	4,792,903	Dec. 20, 1988	Fred Reinagel	USA
Transformer with a One-Piece Primary Winding & Housing	4,868,533	Sept. 19, 1989	Dan Ehrenhalt	USA
Method and Apparatus for Digital Tacan Output Conversion	4,801,923	Jan. 31, 1989	Robert J. Schwartz	USA
Frequency Control System	4,881,162	Nov. 14, 1989	Fred Reinagel	USA
Transformer with a Two-Piece Primary Winding & Housing	4,868,532	Sept. 19, 1989	Dan Ehrenhalt	USA
Method for Detecting a Camouflaged Object and System	4,803,903	Feb. 7, 1989	Francis Giori	USA
Microwave Tube Modulator	4,847,517	July 11, 1989	Dan Ehrenhalt	USA
Ternary Inverter	4,808,854	Feb. 28, 1989	Fred Reinagel	USA
Relative Position Navigation System with Means for Computing Synthetic Azimuth	4,814,994	March 21, 1989	James Doane	USA
Method for Packaging a Microwave Tube Modulator	4,841,258	June 20, 1989	Dan Ehrenhalt	USA
Projected Reticle Optical Sighting System	4,199,257	December 20, 1988		USA
Mobile Radar Tower	4,185,288	January 22, 1980		USA
Stepped Cardioid Bearing System	3,950,753	April 13, 1976		USA
Ultrasonic Rodent Control	3,879,702	April 22, 1975		USA
Relative Position Navigation System with Means for Computing Synthetic Azimuth	P3740656.6		James Doane	W. Germany

PATENT APPLICATIONS

<u>Title of Patent</u>	<u>Patent Application Serial Number</u>	<u>Filing Date</u>	<u>Name of Inventor</u>
Inflatable Antenna	615,963	November 19, 1990	Richard Rupp
Apparatus and Method for Deploying and Inflatable Antenna	615,961	November 19, 1990	Richard Rupp
Microwave High Power Combiner		Not Filed	Richard Blum

6-18-87

12-01-1995

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Pat

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Attached original documents or copy thereof.

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Street Address: 485 Cayuga RoadBuffalo, New York 14225

## 3. Nature of conveyance:

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Assignment



Merger



Security Agreement



Change of Name



Other \_\_\_\_\_

Execution Date: March 19, 1992Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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)

615,963 now issued Patent 5,132,699

615,961 now issued Patent 5,166,696

## B. Patent No.(s)

4,792,903; 4,868,533; 4,801,923; 4,881,162; 4,868,532;  
4,803,489 (erroneously reported on Exhibit A as 4,803,903)  
4,847,517; 4,808,854; 4,841,258; 4,199,257; 4,185,288;  
3,950,753; 3,879,702.Additional numbers attached: ☐ Yes ☒ No

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

Name: Robert C. JonesInternal Address: 22nd FloorStreet Address: 1000 Town CenterCity: Southfield State: Michigan ZIP: 480756. Total number of applications and patents involved: 157. Total Fee (37 CFR 3.41)..... \$ 600.00☒

Enclosed



Authorized to be charged to deposit account

## 8. Deposit account number: \_\_\_\_\_

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## 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.

Robert C. Jones

Name of Person Signing

Signature

October 25, 1995

Date

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

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CMB No. 0651-00