

Tu. 16.0

102535789 -	AUG 2 1 2005
Form PTO-1595 RECORDATION FOR	U.S. DEPARTMENT OF COMMERCE
(Rev. 10/02) PATENTS ONLY U.S. Patent and Trademark Office	
OMB No. 0651-0027 (exp. 6/30/2005) Tab settings	V V V
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
Name of conveying party(ies):	2. Name and address of receiving party(ies)
	Name: Veridian Systems Division, Inc.
Wachovia Bank, National Association	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes V No	
3. Nature of conveyance:	
Assignment Merger	Street Address: 1400 Key Boulevard
Security Agreement Change of Name	Suite 100
OtherSatisfaction of Collisteral Agreement/Termination of Security Interest	
	A dia ata a
0/ 10000	City: Arlington State: VA Zip: 22209-2369
8//2003 Execution Date:	Additional name(s) & address(es) attached? Yes V 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) 4,509,829
,	See Schedule A
	tached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
	7. Total fee (37 CFR 3.41)\$3,640.00
Name: Randolph W. Bryant, Esq.	<u> </u>
Internal Address:	Enclosed
Andrews & Kurth L.L.P.	Authorized to be charged to deposit account
Andrews & Rutti L.L.P.	
	8. Deposit account number:
Street Address:	
600 Travis, Suite 4200	
City: Houston State: TX Zip: 77002	
DO NOT USE THIS SPACE	
9. Signature.	
$A_{\mathcal{L}}$	\wedge
6 /MANSO MUNICIPAL	(1.0 70 A)/2
MUNICOVINO)	
Name of Person Signing	Signature Date
	er sheet, attachments, and documents:

3640.00 BP

01 FC:8021

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Schedule A

1. US4509829

04/09/85

Amplitude Modulator for a High Powered Beam of Infrared Radiation ERIM International, Inc.⁹

2. US4845315

07/04/89

Cable System

ERIM International, Inc.

3. US5337370

08/09/94

Character Recognition Method Employing Non-Character Recognizer ERIM International, Inc.

4. US4872051

10/03/89

Collision Avoidance Alarm System

ERIM International, Inc.

5. US5906648

05/25/99

Collision Avoidance System for Vehicles Having Elevated Apparatus ERIM International, Inc.

6. US4711512

12/08/87

Compact Head-Up Display

ERIM International, Inc.

7. US5151800

09/29/92

Compact Hologram Displays & Method of Making Compact Hologram ERIM International, Inc.

8. US5822742

10/13/98

Dynamically Stable Associative Learning Neural Network System ERIM International, Inc.

9. US5222195

06/22/93

Dynamically Stable Associative Learning Neural System with One Fixed Weight ERIM International, Inc.

10. US5402522

03/28/95

Dynamically Stable Associative Learning System

ERIM International, Inc.

•

⁹ Pacific-Sierra Research Corporation merged into ERIM International, Inc. on January 3, 2001. ERIM International, Inc. was renamed Veridian Systems Division, Inc. on January 3, 2001.

11. US5325447

06/28/94

Handwritten Digit Normalization Method

ERIM International, Inc.

12. US5544259

08/06/96

Handwritten Digit Recognition Apparatus and Method

ERIM International, Inc.

13. US5760899

06/02/98

High-Sensitivity Multispectral Sensor

ERIM International, Inc.

14. US5053781

10/01/91

High Resolution Passive Microwave Sensors for Earth Remote Sensing ERIM International, Inc.

15. US4860375

08/22/89

High Speed Cellular Processing System

ERIM International, Inc.

16. US4685144

08/04/87

Image Processing System With Transformation Detection

ERIM International, Inc.

17. US5160931

11/03/92

Interferometric Synthetic Aperture Detection of Sparse Non-Surface Objects

ERIM International, Inc.

18. US5384455

01/24/95

Measurement-Diverse Speckle Imaging

ERIM International, Inc.

19. US4957362

09/18/90

Method and Apparatus for Electro-Optical Phase Detection ERIM International, Inc.

20. US4414685

11/08/83

Method and Apparatus for Pattern Recognition and Detection ERIM International, Inc.

21. US6226592

05/01/02

Method and Apparatus for Prompting a Motor Vehicle Operator to Remain within a Lane Veridian ERIM International, Inc.

22. US5355215

10/11/94

Method and Apparatus for Quantitative Fluorescence Measurements ERIM International, Inc.

23. US4643515

02/17/87

Method and Apparatus for Recording and Displaying Edge-Illuminated Holograms ERIM International, Inc.

24. US4412719

11/01/83

Method and Article Having Predetermined Net Reflectance Characteristics ERIM International, Inc.

25. US4573197

02/25/86

Method for Automatic Recognition of Two-Dimensional Shapes ERIM International, Inc.

26. US5142589

08/25/92

Method for Repairing Images for Optical Character Recognition Performing Different Repair

Operations Based On Measured Image Characteristics ERIM International, Inc.

27. US5850464

12/15/98

Method of Extracting Axon Fibers and Clusters ERIM International, Inc.

28. US4847796

07/11/89

Method of Fringe-Freezing of Images in Hybrid-Optical Interferometric Processors ERIM International. Inc.

3

HOU:2017976.2

29. US5040135

08/13/91

Method of Fringe-Freezing of Images in Hybrid-Optical Interferometric Processors ERIM International, Inc.

30. US5850202

12/15/98

Method of Improving SAR System Sensitivity in the Presence of RF Interference ERIM International, Inc.

31. US6111535

08/29/00

Method of Minimizing Leakage Energy in a Synthetic Aperture Radar Process Veridian ERIM International, Inc.

32. US6107953

08/22/00

Minimum-Gradient Path Phase Unwrapping ERIM International, Inc.

49. US5796861

08/18/98

Mosaic Construction, Processing, and Review of Very Large Electronic Micrograph Composites ERIM International, Inc.

50. US5175651

12/29/92

Multi-Focus System for a Low Light Level Vision Apparatus ERIM International, Inc.

51. US4541116

09/10/85

Neighborhood Image Processing Stage for Implementing Filtering Operations

52. US5119469

06/02/92

Neural Network with Weight Adjustment Based on Prior History of Input Signals ERIM International, Inc.

53. US4607914

08/26/86

Optical System Design Techniques Using Holographic Optical Element ERIM International, Inc.

54. US5325177

06/28/94

Optical Interferometric Hole Gauge

ERIM International, Inc.

55. US4794395

12/27/88

Passive Interferometric Imaging Receiver System

ERIM International, Inc.

56. US4524455

06/18/85

Pipeline Processor

ERIM International, Inc.

57. US4574394

03/04/86

Pipeline Processor

ERIM International, Inc.

58. US5490042

02/06/96

Programmable Silicon Circuit Board

ERIM International, Inc.

59. US5090807

02/25/92

Real Time Optical Pre-Detection Processing of Multispectral Image Data ERIM International, Inc.

60. US6181270

1/30/01

Reference Based Autofocus Method for IFSAR and Other Applications ERIM International, Inc.

61. US5271702

12/21/93

Robotic Substrate Manipulator

ERIM International, Inc.

62. US4541114

09/10/85

Routing Techniques Using Serial Neighborhood Image Analyzing System ERIM International, Inc.

63. US5429328

07/04/95

Spacecraft Payload Exchange System

ERIM International, Inc.

64. US5349359

09/20/94

5

Spatially Variant Apodization ERIM International, Inc.

65. US5309522

05/03/94

Stereoscopic Determination of Terrain Elevation

ERIM International, Inc.

66. US5854602

12/29/98

Subaperture High-Order Autofocus Using Reverse Phase (SHARP)

ERIM International. Inc.

67. US5898399

04/27/99

Subchirp Processing Method

ERIM International, Inc.

68. US5686922

11/11/97

Super Spacially Variant Apodization

ERIM International, Inc.

69. US6088104

12/02/94

Surface Characterization Apparatus

ERIM International, Inc.

70. US4989984

02/05/91

System for Measuring Optical Characteristics of Curved Surfaces

ERIM International, Inc.

71. US4783753

11/08/88

System for Reducing Speckle Noise

ERIM International, Inc.

72. US5170171

12/08/92

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping Employing

Altitude Measurement

ERIM International, Inc.

73. US5189424

02/23/93

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping Employing

Altitude Measurement and Second Order Correction

ERIM International, Inc.

74. US5260708

11/09/93

6

HOU:2017976.2

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping With Unambiguous Phase Unwrapping Employing Subset Bandwidth Processing ERIM International, Inc.

75. US5870493

02/09/99

Top Down Preprocessor for a Machine Vision System ERIM International. Inc.

76. US6121922

09/19/00

Tracking System Using Miniaturized Concealable Communications Module ERIM International, Inc.

77. US4847732

07/11/89

Wafer and Method of Making Same

ERIM International, Inc.

78. US4920454

04/24/90

Wafer Scale Package System and Header and Method of Manufacture Thereof ERIM International, Inc.

79. US6101886

8/15/00

Multi-stage sampler concentrator Pacific-Sierra Research Corporation¹⁰

80. US6042239

3/28/00

Aircraft canopy reflection reduction
Pacific-Sierra Research Corporation

81. US4597107

06/24/86

Modulation detector and classifier

PSR Products, Inc. 11

82. US4204165

07/09/85

Multichannel coherent receiver

Typalogics, Inc. 12

83. US5821879

10/13/98

¹⁰ Co-owned by University of Virginia Patent Foundation. Pacific-Sierra Research Corporation was merged into ERIM International, Inc. on January 3, 2001.

11 PSR Products, Inc. is a former subsidiary of Veridian Systems Division, Inc. whose charter has been

¹² Typalogics, Inc. is a former subsidiary of Veridian Systems Division, Inc. whose charter has been revoked.

7

HOU:2017976.2

Vehicle Axle Detector for Roadways Pacific-Sierra Research Corporation

84. US5104070

04/14/92

Structural latch for vehicle coupling mechanisms Veridian Engineering, Inc. 13

85. US5398892

03/21/95

Spacecraft Berthing Mechanism Veridian Engineering, Inc.

86. US5094410

03/10/92

Capture/berthing system for spacecraft

Veridian Engineering, Inc.

87. US5040749

08/20/91

Spacecraft berthing mechanism with discrete impact attenuation means Veridian Engineering, Inc.

88. US4903919

02/27/90

Apparatus and method for docking spacecraft

Veridian Engineering, Inc.

89. US4834325

05/30/89

Modular spacecraft system

Veridian Engineering, Inc.

90. US4747567

05/31/88

Spacecraft with articulated solar array

Veridian Engineering, Inc.

91. US4728061

¹³ All Veridian Engineering, Inc. patents on this sub-schedule (US5104070, US5398892, US5094410, US5040749, US4903919, US4834325, US4747567, and US4728061) were assigned to Veridian Systems Division, Inc. on July 11, 2001. No confirmation stating the reel and frame index number has been received from the USPTO to date.

NOTICE OF SATISFACTION OF COLLATERAL AGREEMENT

The Collateral Agreement dated as of June 10, 2002 by and among VERIDIAN CORPORATION (the "Company"), VERIDIAN ENGINEERING, INC., VERIDIAN SYSTEMS INCORPORATED, MRJ GROUP, INC., VERIDIAN SYSTEMS DIVISION, INC., VERIDIAN INFORMATION SOLUTIONS, INC., VERIDIAN COMMERCIAL OPERATIONS, INC. (F/K/A VERITECT, INC.), VERIDIAN IT SERVICES, INC. (F/K/A SIGNAL CORPORATION) AND SIGNAL SERVICES LLC (the "Subsidiaries", and collectively with the Company, the "Grantors"), and WACHOVIA BANK, NATIONAL ASSOCIATION, as Administrative Agent for the ratable benefit of the lenders referred to therein, is hereby satisfied in full and any security interest of Wachovia Bank, National Association, as Administrative Agent, has been terminated (including, without limitation, the security interests in the trademarks, patents and copyrights set forth on Schedules I, II and III attached hereto).

> WACHOVIA BANK, NATIONAL ASSOCIATION, as Administrative Agent

Scott Santa Cruz By:____

Name:

Title: Director

STATE OF NORTH CAROLINA COUNTY OF Gaston

This /th day of August, 2003, personally came before me, Cunthia D Brush Notary Public for said County and State, Scott Santa Cruz, who, being by me duly sworn, says that he/she is <u>Director</u> of WACHOVIA BANK, NATIONAL ASSOCIATION, as Administrative Agent, and that said writing was signed and sealed by him/her in behalf of said banking association by its authority duly given. And the said Scott Santa Cruz acknowledged the said writing to be the act and deed of said banking association.

WITNESS my hand and official seal, this the 11th day of August, 2003.

[NOTARIAL SEAL]

Cynthia D Bryon Notary Public

My commission expires: 3/30/05

SCHEDULE I

TRADEMARKS

2168297.01 LIB: CH

VERIDIAN CORPORATION TRADEMARK REGISTRATIONS AND APPLICATIONS

Registration No: 2556365; 2556366; 2556367; 2550307
 Serial Nos: 75475467; 75475468; 75475470; 75475471

42/02; 4/2/02; 3/19/02; 3/19/02

VERIDIAN

2. Registration No: Pending

Serial Nos: 76042714; 76042715

5/8/00 (Filing Date)

VERITECT1

3. Registration No: Pending

Serial Nos: 78014534; 78014538

6/27/00 (Filing Date)

VALLATOR

4. Registration No: Pending

Serial Nos: 78014521; 78014529

6/27/00 (Filing Date)

VALATOR

5. Registration No: 1949840

Serial No: 74182162

01/23/96 ITAS²

6. Registration No: Pending

Serial Nos: 76319563; 76319564; 76319565; 76319566

10/01/01

VERITRACKS

7. Registration No: Pending

Serial Nos: 76346407; 76346408; 76346409

12/07/01 VERISPHINX

8. Registration No: 1997838

Serial No: 74542208

09/03/96

KNOWLEDGE, IMAGINATION, DISCOVERY

9. Registration No: 1194126

Serial No: 73221565

04/20/82

KNOWLEDGE, IMAGINATION, DISCOVERY (SANSKRIT)

¹ Veridian is the applicant for the Veritect trademark.

² The ITAS mark is a registered trademark of Veda International, Inc. In 1997, Veda International, Inc. was renamed Veridian Corporation. ITAS Products are sold by Veridian Corporation subsidiary Veridian Systems Incorporated.

VERIDIAN CORPORATION TRADEMARK REGISTRATIONS AND APPLICATIONS

10. Registration No: 1214367

Serial No: 73221494

10/26/82

KNOWLEDGE, IMAGINATION, DISCOVERY (SANSKRIT)

11. Registration No: 1166812 Serial No: 73220768

8/25/81 VEDA

VERIDIAN ENGINEERING, INC. TRADEMARK REGISTRATIONS AND APPLICATIONS

1. Registration No: 1166812

Serial No: 73270768

8/25/81 VEDA

Veda incorporated⁴

⁴ Veda merged into Calspan Corporation on December 31, 1998. Calspan Corporation was renamed Veridian Engineering, Inc. on December 31, 1998.

VERIDIAN INFORMATION SOLUTIONS, INC. TRADEMARK REGISTRATIONS AND APPLICATIONS

Registration No: 2244395
 Serial No: 75392329
 05/11/99
 TRIDENT DATA SYSTEM

TRIDENT DATA SYSTEMS Trident Data Systems, Inc. 7

 Registration No: 2233238
 Serial No: 75216227
 03/23/99
 MRJ TECHNOLOGY SOLUTIONS MRJ, Inc. 8

 Registration No: 2188839
 Serial No: 75216678
 09/15/98
 MRJ TECHNOLOGY SOLUTIONS MRJ, Inc.

4. Registration No: 2017467 Serial No: 75017665 11/19/96 GTAC MRJ, Inc.

5. Registration No: 2040894 Serial No: 74474786 02/25/97 SOCR SYMBOLIC OCR MRJ, Inc.

6. Registration No: 1977545 Serial No: 74433643 06/04/96 SOFTBOOK MRJ, Inc.

7. Registration No: 2509655 Serial No: 76160601 11/20/01

11/20/01 EQUIENT

Veridian Information Solutions, Inc.

renamed Veridian Information Solutions, Inc. on April 7, 2000. Indent Data renamed Veridian Information Solutions, Inc. on April 7, 2000.

⁷ Trident Data Systems, Inc. was renamed Veridian Information Solutions, Inc. on April 7, 2000.

⁸ MRJ, Inc. merged into Trident Data Systems, Inc. on April 7, 2000. Trident Data Systems, Inc. was

VERIDIAN INFORMATION SOLUTIONS, INC. TRADEMARK REGISTRATIONS AND APPLICATIONS

8. Registration No: Pending

Serial Nos: 76187705; 76187706

01/02/01 (Filing Date)

VERIFIDES

Veridian Information Solutions, Inc.

9. Registration No: 2559180

Serial No: 75496542

04/09/02 TNE

Veridian Information Solutions, Inc.

10. Registration No: 2244396

Serial No: 75392377

05/11/99

TRIDENT INFORMATION PROTECTION TOOLBOX

Trident Data Systems, Inc.

11. Registration No: Pending

Serial No: 76354723 05/11/99 (Filing Date)

AJCOM Advanced Joint Command Operations Model

Veridian Information Solutions, Inc.

12. Registration No: Pending

Serial No: 76354724 12/21/01 (Filing Date)

COTEAM COMBINED OPERATIONS, TRAINING, EXPERIMENTATION & ANALYSIS

MODEL

Veridian Information Solutions, Inc.

Registration No: 1489161
 Serial No: 73684105
 05/24/1988
 C4PL
 Veridian ERIM International, Inc. 14

Registration No: 1502882
 Serial No: 73684106
 09/06/1988
 CYTO-HSS
 Veridian ERIM International, Inc.

Registration No: 1219803
 Serial No: 73308678
 12/14/1982
 CYTO COMPUTER
 Veridian ERIM International, Inc.

Registration No: 1489160
 Serial No: 73684104
 05/24/1988
 EPICAL
 Veridian ERIM International, Inc.

5. Registration No: 1860292 Serial No: 74340829 10/25/1994 ERIPS Veridian ERIM International, Inc.

Registration No: 1935959
 Serial No: 74469726
 11/14/1995
 RESTORATION
 Veridian ERIM International, Inc.

7. Registration No: N/A
Serial No: 75422977
01/26/1998 (Filing Date)
ELECTRONIC MAP ROOM
Veridian ERIM International, Inc.

¹⁴ Veridian ERIM International, Inc. was renamed Veridian Systems Division, Inc. on January 3, 2001.

Registration No: N/A
 Serial No: 75470152
 04/20/1998 (Filing Date)
 FATHOM
 Veridian ERIM International, Inc.

Registration No: N/A
 Serial No: 75541700
 08/24/1998 (Filing Date)
 GEOWORX
 Veridian ERIM International, Inc.

10. Registration No: N/A
Serial No: 75691258
04/26/1999 (Filing Date)
INTERNATIONAL EAGLE
Veridian ERIM International, Inc.

11. Registration No: 2553034 Serial No: 75533510 03/26/2002 SENTRY RADAR SYSTEMS Veridian ERIM International, Inc.

12. Registration No: Pending Serial No: 76347623 12/11/2001 (Filing Date) BATTLESPACE MAPPER Veridian ERIM International, Inc.

13. Registration No: Pending
Serial No: 76347602
12/11/2001 (Filing Date)
URBAN TACTICAL PLANNER
Veridian ERIM International, Inc.

14. Registration No: N/A
Serial No: 75834546
10/28/1999 (Filing Date)
USENEWS
Corporation for Studies and Analysis¹⁵

15. Registration No: 2245586
Serial No: 75366617
05/01/99
CWCIP
Pacific-Sierra Research Corporation¹⁶

¹⁶ Pacific-Sierra Research Corporation merged into Veridian ERIM International, Inc. on January 3, 2001.

¹⁵ Corporation for Studies and Analysis is a former subsidiary of Veridian Systems Division, Inc. whose charter has been revoked.

16. Registration No: 2024110

Serial No: 75062659

12/17/96 PSR

Pacific-Sierra Research Corporation

17. Registration No: 1934840

Serial No: 74521324

11/14/95

PSR TRIANGLE LOGO

Pacific-Sierra Research Corporation

18. Registration No: 1836061

Serial No: 74300225

05/10/94 GREAS

Pacific-Sierra Research Corporation

19. Registration No: 1316642

Serial No: 73394994

1/29/85 VAST

Pacific-Sierra Research Corporation

20. Registration No: 1290838

Serial No: 73439062

05/29/84 MODAC

PSR Products, Inc. 17

21. Registration No: 1290837

Serial No: 73439061

08/21/84 METASCAN

PSR Products, Inc.

22. Registration No: 2353214

Serial No: 75521978

05/30/00 ATHENS

Pacific-Sierra Research Corporation

23. Registration No: 2317645

Serial No: 75377169

2/15/00 DEEP

¹⁷ PSR Products, Inc. is a former subsidiary of Veridian Systems Division, Inc. whose charter has been revoked.

Pacific-Sierra Research Corporation

24. Registration No: Pending

Serial No: 7524916 02/21/00 (Filing Date)

SCINTAGEL

Pacific-Sierra Research Corporation

25. Registration No: 2078434

Serial No: 74726890

07/15/97

ADAPTIVE RESEARCH

Pacific-Sierra Research Corporation

26. Registration No: 2056771

Serial No: 74726895

04/29/97 STORM

Pacific-Sierra Research Corporation

VERITECT, INC. TRADEMARK REGISTRATIONS AND APPLICATIONS

1. Registration No: Pending

Serial Nos: 76176929; 76176930

12/07/00 (Filing Date)

WAREX

2. Registration No: Pending Serial No: 76176928 12/07/00 (Filing Date) PERIMETRIC

Registration No: 76176927
 Serial No: 76176927
 12/07/00 (Filing Date)
 V-SECURE

SCHEDULE II

PATENTS

2168297.01 LIB: CH

VERIDIAN ENGINEERING, INC. PATENTS

1. US6076028

06/13/00

Method and apparatus for automatic vehicle event detection, characterization, and reporting Veridian Engineering, Inc.

2. US5926555

04/03/97

Fingerprint Identification System

3. US5799098

08/25/98

Fingerprint identification system

4. US5779907

07/14/98

Magnetic microplate separator

Veridian Engineering, Inc.

5. US5659626

08/19/97

Fingerprint identification system

Veridian Engineering, Inc.

6. US5381337

01/10/95

No skid brake control

Veridian Engineering, Inc.

7, US5381156

01/10/95

Multiple target doppler tracker

Veridian Engineering, Inc.

8. US5353370

10/04/94

Non-uniform temperature profile generator for use in short duration wind tunnels

9. US5353242

10/04/94

Motion base control process and operator perceptual simulator

Veridian Engineering, Inc.

10. US5291136

03/01/1994

Variable angle eddy current probe

Veridian Engineering, Inc.

11. US5111142

05/05/92

1

VERIDIAN ENGINEERING, INC. PATENTS

Eddy current probe with adjustable position rotating head Veridian Engineering, Inc.

12. US5059904

10/22/91

Control circuit for variable characteristic rotating eddy current probe Veridian Engineering, Inc.

13. US5021982

06/04/91

Motion base control process and pilot perceptual simulator Veridian Engineering, Inc.

14. US5056056

10/08/91

Data recorder including a recirculating non-volatile memory Veridian Engineering, Inc.

US4884076

11/28/89

Foam supported electromagnetic energy reflecting device Veridian Engineering, Inc.

15. US4854156

08/08/89

Pneumatic surface-following control system Veridian Engineering, Inc.

16. US4684247

08/04/87

Target member for use in a positioning system Veridian Engineering, Inc.

17. US4612916

09/23/86

Method for treating casualties in a contaminated area Veridian Engineering, Inc.

18. US4590408

05/20/86

Linear/resonant CRT beam deflection circuit Veridian Engineering, Inc.

19. US4568825

02/04/86

Robotic vehicle optical guidance system Veridian Engineering, Inc.

VERIDIAN ENGINEERING, INC. PATENTS

20. US4536690

08/20/85

Tool-supporting self-propelled robot platform Veridian Engineering, Inc.

21. US4515478

05/07/85

Coherent light detecting system including passive averaging network Veridian Engineering, Inc.

22. US4485534

12/4/84

Interchange mechanism for multiple fasteners

Veridian Engineering, Inc.

VERIDIAN INFORMATION SOLUTIONS, INC. PATENTS

1. US6314409

11/6/01

System for controlling access and distribution of digital property.

Veridian Information Solutions, Inc.

2. US5933498

08/03/99

System for controlling access and distribution of digital property Veridian Information Solutions, Inc.

3. US5583995

12/10/96

Apparatus and method for data storage and retrieval using bandwidth allocation Veridian Information Solutions, Inc.

4. US5414771

05/09/95

System and method for the creation of random sequences and for the cryptographic protection of communications

Veridian Information Solutions, Inc.

1. US4509829

04/09/85

Amplitude Modulator for a High Powered Beam of Infrared Radiation ERIM International, Inc.⁹

US4845315

07/04/89

Cable System

ERIM International, Inc.

3. US5337370

08/09/94

Character Recognition Method Employing Non-Character Recognizer ERIM International, Inc.

4. US4872051

10/03/89

Collision Avoidance Alarm System

ERIM International, Inc.

5. US5906648

05/25/99

Collision Avoidance System for Vehicles Having Elevated Apparatus ERIM International, Inc.

6. US4711512

12/08/87

Compact Head-Up Display

ERIM International, Inc.

7. US5151800

09/29/92

Compact Hologram Displays & Method of Making Compact Hologram ERIM International, Inc.

8. US5822742

10/13/98

Dynamically Stable Associative Learning Neural Network System ERIM International, Inc.

9. US5222195

06/22/93

Dynamically Stable Associative Learning Neural System with One Fixed Weight ERIM International, Inc.

10. US5402522

03/28/95

Dynamically Stable Associative Learning System

ERIM International, Inc.

1

HOU:2017976.2

⁹ Pacific-Sierra Research Corporation merged into ERIM International, Inc. on January 3, 2001. ERIM International, Inc. was renamed Veridian Systems Division, Inc. on January 3, 2001.

11. US5325447

06/28/94

Handwritten Digit Normalization Method

ERIM International, Inc.

12. US5544259

08/06/96

Handwritten Digit Recognition Apparatus and Method

ERIM International, Inc.

13. US5760899

06/02/98

High-Sensitivity Multispectral Sensor

ERIM International, Inc.

14. US5053781

10/01/91

High Resolution Passive Microwave Sensors for Earth Remote Sensing ERIM International, Inc.

15. US4860375

08/22/89

High Speed Cellular Processing System

ERIM International, Inc.

16. US4685144

08/04/87

Image Processing System With Transformation Detection

ERIM International, Inc.

17. US5160931

11/03/92

Interferometric Synthetic Aperture Detection of Sparse Non-Surface Objects

ERIM International, Inc.

18. US5384455

01/24/95

Measurement-Diverse Speckle Imaging

ERIM International, inc.

19. US4957362

09/18/90

Method and Apparatus for Electro-Optical Phase Detection ERIM International, Inc.

20. US4414685

11/08/83

Method and Apparatus for Pattern Recognition and Detection ERIM International, Inc.

21. US6226592

05/01/02

Method and Apparatus for Prompting a Motor Vehicle Operator to Remain within a Lane Veridian ERIM International, Inc.

22. US5355215

10/11/94

Method and Apparatus for Quantitative Fluorescence Measurements ERIM International, Inc.

23. US4643515

02/17/87

Method and Apparatus for Recording and Displaying Edge-Illuminated Holograms ERIM International, Inc.

24. US4412719

11/01/83

Method and Article Having Predetermined Net Reflectance Characteristics ERIM International, Inc.

25. US4573197

02/25/86

Method for Automatic Recognition of Two-Dimensional Shapes ERIM International, Inc.

26. US5142589

08/25/92

Method for Repairing Images for Optical Character Recognition Performing Different Repair

Operations Based On Measured Image Characteristics ERIM International. Inc.

27. US5850464

12/15/98

Method of Extracting Axon Fibers and Clusters ERIM International, Inc.

28. US4847796

07/11/89

Method of Fringe-Freezing of Images in Hybrid-Optical Interferometric Processors ERIM International, Inc.

29. US5040135

08/13/91

Method of Fringe-Freezing of Images in Hybrid-Optical Interferometric Processors ERIM International, Inc.

30. US5850202

12/15/98

Method of Improving SAR System Sensitivity in the Presence of RF Interference ERIM International, Inc.

31. US6111535

08/29/00

Method of Minimizing Leakage Energy in a Synthetic Aperture Radar Process Veridian ERIM International, Inc.

32. US6107953

08/22/00

Minimum-Gradient Path Phase Unwrapping ERIM International, Inc.

49. US5796861

08/18/98

Mosaic Construction, Processing, and Review of Very Large Electronic Micrograph Composites ERIM International. Inc.

50. US5175651

12/29/92

Multi-Focus System for a Low Light Level Vision Apparatus ERIM International, Inc.

51. US4541116

09/10/85

Neighborhood Image Processing Stage for Implementing Filtering Operations

52. US5119469

06/02/92

Neural Network with Weight Adjustment Based on Prior History of Input Signals ERIM International, Inc.

53. US4607914

08/26/86

Optical System Design Techniques Using Holographic Optical Element ERIM International, Inc.

والهارة المحاج فياحج والخيج أأجياران

54. US5325177

06/28/94

Optical Interferometric Hole Gauge

ERIM International, Inc.

55. US4794395

12/27/88

Passive Interferometric Imaging Receiver System

ERIM International, Inc.

56. US4524455

06/18/85

Pipeline Processor

ERIM International, Inc.

57. US4574394

03/04/86

Pipeline Processor

ERIM International, Inc.

58. US5490042

02/06/96

Programmable Silicon Circuit Board

ERIM International, Inc.

59. US5090807

02/25/92

Real Time Optical Pre-Detection Processing of Multispectral Image Data

ERIM International, Inc.

60. US6181270

1/30/01

Reference Based Autofocus Method for IFSAR and Other Applications

ERIM international, Inc.

61. US5271702

12/21/93

Robotic Substrate Manipulator

ERIM International, Inc.

62. US4541114

09/10/85

Routing Techniques Using Serial Neighborhood Image Analyzing System

ERIM International, Inc.

63. US5429328

07/04/95

Spacecraft Payload Exchange System

ERIM International, Inc.

64. US5349359

09/20/94

5

HOU:2017976.2

Spatially Variant Apodization ERIM International, Inc.

65. US5309522

05/03/94

Stereoscopic Determination of Terrain Elevation ERIM International, Inc.

66. US5854602

12/29/98

Subaperture High-Order Autofocus Using Reverse Phase (SHARP) ERIM International, Inc.

67. US5898399

04/27/99

Subchirp Processing Method ERIM International, Inc.

68. US5686922

11/11/97

Super Spacially Variant Apodization ERIM International. Inc.

69. US6088104

12/02/94

Surface Characterization Apparatus ERIM International, Inc.

70. US4989984

02/05/91

System for Measuring Optical Characteristics of Curved Surfaces ERIM International, Inc.

71. US4783753

11/08/88

System for Reducing Speckle Noise

ERIM International, Inc.

72. US5170171

12/08/92

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping Employing Altitude Measurement

ERIM international, Inc.

73. US5189424

02/23/93

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping Employing Altitude Measurement and Second Order Correction ERIM International, Inc.

74. US5260708

11/09/93

6

HOU:2017976.2

Three Dimensional Interferometric Synthetic Aperture Radar Terrain Mapping With Unambiguous Phase Unwrapping Employing Subset Bandwidth Processing ERIM International, Inc.

75. US5870493

02/09/99

Top Down Preprocessor for a Machine Vision System ERIM International. Inc.

76. US6121922

09/19/00

Tracking System Using Miniaturized Concealable Communications Module ERIM International, Inc.

77. US4847732

07/11/89

Wafer and Method of Making Same ERIM International, Inc.

78. US4920454

04/24/90

Wafer Scale Package System and Header and Method of Manufacture Thereof ERIM International, Inc.

79. US6101886

8/15/00

Multi-stage sampler concentrator Pacific-Sierra Research Corporation¹⁰

80. US6042239

3/28/00

Aircraft canopy reflection reduction Pacific-Sierra Research Corporation

81. US4597107

06/24/86

Modulation detector and classifier PSR Products, Inc. 11

82. US4204165

07/09/85

Multichannel coherent receiver

Typalogics, Inc. 12

83. US5821879

10/13/98

¹⁰ Co-owned by University of Virginia Patent Foundation. Pacific-Sierra Research Corporation was merged into ERIM International, Inc. on January 3, 2001.

¹¹ PSR Products, Inc. is a former subsidiary of Veridian Systems Division, Inc. whose charter has been revoked.

¹² Typalogics, Inc. is a former subsidiary of Veridian Systems Division, Inc. whose charter has been revoked.

Vehicle Axle Detector for Roadways Pacific-Sierra Research Corporation

84. US5104070

04/14/92

Structural latch for vehicle coupling mechanisms Veridian Engineering, Inc. 13

85. US5398892

03/21/95

Spacecraft Berthing Mechanism

Veridian Engineering, Inc.

86. US5094410

03/10/92

Capture/berthing system for spacecraft

Veridian Engineering, Inc.

87. US5040749

08/20/91

Spacecraft berthing mechanism with discrete impact attenuation means

Veridian Engineering, Inc.

88. US4903919

02/27/90

Apparatus and method for docking spacecraft

Veridian Engineering, Inc.

89. US4834325

05/30/89

Modular spacecraft system

Veridian Engineering, Inc.

90. US4747567

05/31/88

Spacecraft with articulated solar array

Veridian Engineering, Inc.

91. US4728061

¹³ All Veridian Engineering, Inc. patents on this sub-schedule (US5104070, US5398892, US5094410, US5040749, US4903919, US4834325, US4747567, and US4728061) were assigned to Veridian Systems Division, Inc. on July 11, 2001. No confirmation stating the reel and frame index number has been received from the USPTO to date.

03/01/88 Spacecraft operable in two alternative flight modes Veridian Engineering, Inc.

VERIDIAN SYSTEMS INCORPORATED PATENTS

US5175544
 12/29/92
 Digitally controlled bit synchronizer
 Veridian Systems Incorporated 18

¹⁸ Veda Systems Incorporated was renamed Veridian Systems Incorporated in 1999.

SCHEDULE III COPYRIGHTS

2168297.01 LIB: CH

VERIDIAN ENGINEERING, INC. REGISTERED COPYRIGHTS AND APPLICATIONS

1. TXu-315-741

Retirement for Cause Inspection Station Software 3/4/88
Systems Research Laboratories, Inc. ³

2. TXu-330-388

CRYPT Version 1.00 5/11/88 Systems Research Laboratories, Inc.

3. TXu-351-139

Retirement for Cause System Computer Software 12/13/88
Systems Research Laboratories, Inc.

4. TXu-396-711

The Language of TQM 11/1/89
Systems Research Laboratories, Inc.

5. TXu-422-846

Oil Field Tubular Goods Inspection Software 7/9/90 Systems Research Laboratories, Inc.

6. TXu-441-984

DemoTren
10/19/90
Systems Research Labor

Systems Research Laboratories, Inc.

7. TXu-474-919

The Design of a Neural Network that Performs a Complex Mapping for Nonlinear Phase Sensitive Classification Problems 6/7/91
Systems Research Laboratories, Inc.

8. TXu-502-507

The Generalized Network Analyzer 12/24/91
Systems Research Laboratories, Inc.

9. TXu-537-238

TQM: A Paradigm for the Management of Uncertainty 9/1/592 Systems Research Laboratories, Inc.

³ Systems Research Laboratories, Inc. merged into Calspan Corporation on December 31, 1998. Calspan Corporation was renamed "Veridian Engineering, Inc." on December 31, 1998.

VERIDIAN ENGINEERING, INC. REGISTERED COPYRIGHTS AND APPLICATIONS

10. TXu-733-832

Automated Eddy Current Inspection Planning: A Submodule of AML Automated Inspection Planner 9/11/95
Systems Research Laboratories, Inc.

VERIDIAN INFORMATION SOLUTIONS, INC. COPYRIGHT REGISTRATIONS AND APPLICATIONS

1. TXu-359-587

Computer program to perform fast Fourier transforms on the connection machine 12/7/88
MRJ, Inc.⁵

2. TX-1-465-025

Show-Times Facilities Management System 11/19/84
Trident Data Systems, Inc.⁶

3. TX-1-465-026

Show-Times Automated Facilities Management System: Information Manual 11/19/84
Trident Data Systems, Inc.

4. TX-1-465-027

Show-Times Automated Facilities Management System: Information Handbook 11/19/84
Trident Data Systems, Inc.

5. TX-1-465-028

Show-Times Reference Manual 11/19/84 Trident Data Systems, Inc.

6. TXu-558-916

Satstuff 12/24/92 MRJ, Inc.

7. TXu-759-992

HostGUARD 9/13/96 Trident Data Systems, Inc.

8. TXu-760-048

CONTROL, An Integrated Computer Security Package: Version 0.6 BETA 9/13/96
Trident Data Systems, Inc.

9. TXu-873-823

Portable Batch System 8/3/98 MRJ, Inc.

⁵ MRJ, Inc. merged into Trident Data Systems, Inc. on April 7, 2000.

⁶ Trident Data Systems, Inc. was renamed Veridian Information Solutions, Inc. on April 7, 2000.