Timothy W. Markison

Garlick & Markison	Athalonz, LLC	MPP, Inc.
2025 Guadalupe Street	2716 N Ogden Road	20 N Upper Wacker Drive
Suite 260	Suite 101	Suite 4200
Austin, TX 78705	Mesa, AZ 85215	Chicago, IL 60606

Timothy W. Markison

Founding Partner of Garlick & Markison
Founder & CEO of Athalonz, LLC
Co-Founder & CEO of MPP, Inc.

FIELDS OF SPECIALIZATION

Legal

- **Patent application preparation and prosecution**: Covering a wide range of technologies as listed below
- **Patent value generation**: Support clients in building a valuable patent portfolio and support clients in licensing, selling, and/or enforcing patents of their portfolios

Technology

- **Physics of footwear**: How forces traversing through footwear affect human movement
- **Physics of body impact**: How impact forces can be diffused to reduce risk of injury
- **Monitoring athletic movement in concert with physics of footwear**: Monitoring forces through footwear directly corresponds to athletic movement
- **Wireless communications:** new hardware, software, and/or protocols for Bluetooth, wi-fi, cellular, broadcast, point-to-point, and RFID (Radio Frequency IDentification)
- **Database system:** supporting new hardware design and new software architecture
- **Capacitive touch sensing:** for touch screen applications, bio-medical sensing applications, and bio-medical stimulation
- **Wired communication:** using low analog voltage signaling
- **Erasure encoding dispersed storage:** for safely and securely storing Big Data
- **Quantum computing:** new quantum mechanics approach to qubits and supporting circuitry thereof
- **Artificial Intelligence** based system for code enhancement
- **Intra & Inter wireless communications for ICs** to substantially reduce power consumption of ICs due to digital data conveyances
- **Battery technologies** regarding charging, discharging, and modeling of batteries

Business

- **Consulting** regarding the business value of patents
- **Strategic patent portfolio development**: regarding the number of inventions to patent protect, when, where, and how to protect inventions, the business objectives of patent portfolio, and the business justification for developing patent portfolio
- **Inventing** independently, on behalf of G&M clients, on behalf of Athalonz, on behalf of MPP, or on behalf of MPP clients

DEGREES

- B.S.E.E. Electrical Engineering & Computer Design from Illinois Institute of Technology, 1984
- Juris Doctorate from Loyola University Chicago School of Law, 1993

PROFESSIONAL MEMBERSHIPS

- Member of USPTO patent bar since 1989
- Member of the Illinois State bar since 1993
- Licensed to practice in the Federal District Courts of Illinois since 1993
- Member of IEEE

PROFESSIONAL POSITIONS

Current Positions

2000 – Present Founding Partner of Garlick & Markison (G&M)

Responsibilities include:

- Managing the preparation and prosecution of patent applications by other attorneys agents of G&M on behalf of its clients
- Managing quality program to maintain a firm-wide issuance rate of over ninety percent and a maintaining an office action to allowance ratio of two or less
- Personally preparing and prosecuting thousands of patent applications for G&M clients
- Creating patent strategies that resulted in billions of dollar in value for clients (spun out patent strategy in 2023, when MPP was launched)
- Supporting clients in licensing, selling, and/or enforcing patents of their portfolios
- Inventing with, and/or on behalf of, clients to expand their respective patent portfolio

2011 – Present Founder & CEO of Athalonz, LLC

Responsibilities include:

- Overseeing business operations
- Leading research & development of footwear that leverages the principles of physics to improve human movement and athletic performance
- Leading the design of physics footwear
- Managing patent protection of physics footwear innovations

- Managing contracts with third parties
- Managing finances of the business

January 2023 – Present Co-Founder & CEO of Markison Patent Portal (MPP), Inc.

Responsibilities include:

- Creating Strategic Patent Plans for MPP customers
  - Analysis of current patent portfolio
  - Determine future patent portfolio options
  - Determine various paths to achieve the future patent portfolio options from the current patent portfolio
  - Determine expense projections for the various paths for the various options
  - Valuation estimates of future patent portfolio based on the various paths for the various options
- Leading engineering team to design and build an automated system to support the creation of Strategic Patent Plans
- Overseeing business operations
- Managing patent protection of innovations steaming from the creation of the automated system
- Leading future product development
- Inventing with, and/or on behalf of, customers to expand their respective patent portfolio

Previous Positions As A Patent Attorney

1997 to 2000 General Counsel of SigmaTel, Inc., Austin, TX

Responsibilities include:

- Managing all legal matters for the company
- Managing patent protection of innovations company products
- Inventing with engineering team to expand company's patent portfolio

1997 to 1999 Partner of Markison & Reckamp, Austin, TX

Responsibilities include:

- Managing the preparation and prosecution of patent applications by other attorneys agents of firm on behalf of its clients
- Managing quality program to maintain high level patent quality
- Preparing and prosecuting patent applications for firm clients

1996 to 1997 Director of IP for Wireless Group of Nortel Networks, Richardson TX

Responsibilities include:

- Creating a strategy to patent protect inventions of the wireless group
- Creating a strategy to exploit patents of the wireless group
- Negotiating IP contracts for the wireless group

1995 to 1996 Sr. Associate at Jenkins & Gilchrist, Austin TX

Responsibilities include:

- Preparing and prosecuting patent applications for firm clients
- Writing legal opinions regarding validity and non-infringement

1988 to 1995 Sr. Attorney, Attorney, and Patent Agent at Motorola, Schaumburg, IL and Austin TX

Responsibilities include:

- Preparing and prosecuting patent applications for Motorola
- Training other practitioners regarding patent application preparation and prosecution
- Negotiating IP contracts for certain departments of Motorola

Previous Positions As An Engineer

1987 to 1988 Sr. Engineer at Micro-Energy, Carol Stream, IL

Responsibilities include:

- Designing commercial grade switch mode power supplies

1984 to 1987 Engineer at Northrup Corp, Rolling Meadows IL

Responsibilities include:

- Designing military grade high-voltage switch mode power supplies

1978 to 1984 Draftsman, Technician, & Jr. Engineer at Power Conversion Products, Crystal Lake IL

Responsibilities include:

- Designing commercial grade battery chargers for battery backup systems

TECHNOLOGY OF PREPARED AND/OR PROSECUTED PATENT APPLICATIONS

The technology covered by the patent applications I have prepared and/or prosecuted, in alphabetical order:

- 3D video processing
- Artificial Intelligence
- Athletic training equipment
- Capacitive touch sense and applications
- Cloud computing
- Cloud storage
- Cold nuclear fusion
- Computer hardware and software architectures
- Cybersecurity
- Cryptocurrency
- Database architecture
- Database applications

- Digital gift card network and processing
- Electric vehicles
- Erasure encoding dispersed storage system and interworking thereof
- Item location tracking
- Intra-IC wireless communications
- Health data analysis systems
- Health management systems
- Liquid Hydrogen power generation
- Motor design
- Monitoring athletic movement in concert with physics of footwear
- Physics of body impact
- Physics of footwear
- Quantum computing
- Radio Frequency Identification
- Secure communication systems
- Wired communication using low analog voltage signaling
- Wireless communications (Bluetooth, wi-fi, cellular, and RFID (radio frequency identification)

PATENTS

As of October 15, 2024, I am a named inventor on 453 issued patents. Appendix I includes a list of my issued patents that were filed during or after 2001. The following is an overview of my patents.

A) I am a named inventor on 28 U.S patents assigned to Motorola regarding the subject matter of preventing unauthorized use of land mobile wireless communication systems (e.g., police wireless radio systems, airport wireless radio systems, etc.).

B) I am a named inventor on 3 U.S. patents assigned to SigmaTel, Inc. The technology is regarding IR communication protocols.

C) I am a named inventor on 15 U.S. patents assigned to Broadcom, Inc. The technology is regarding wireless communications.

D) I am a named inventor on 128 U.S. patents assigned to Cleversafe, Inc. The technology is regarding error encoding distributed storage.

E) I am a named inventor on 26 U.S. patents assigned to Athalonz, LLC. The technology is regarding athletic enhancing footwear based on the principles of physics and portable pitching mounds.

F) I am a named inventor on 87 U.S. patents assigned to SigmaSense, LLC. The technology is regarding capacitive touch sensing and applications thereof.

G) I am a named inventor on 46 U.S. patents assigned to Pure Storage, Inc. The technology is regarding error encoding distributed storage.

H) I am a named inventor on 1 U.S. patent assigned to Markison Patent Portal, Inc. The technology is regarding an improved computer architecture to support protection of technology.

I) I am a named inventor on 6 U.S. patents assigned to Visa, Inc. The technology is regarding credit card imaging for mobile payment.

J) I am a named inventor on 4 U.S. patents assigned to ViXS Systems, Inc. The technology is regarding integrated circuits.

K) I am a named inventor on 20 U.S. patents that are not assigned. The technology is regarding force impact focusing, force impact diffusing, athletic movement monitoring, and capacitance based data storage.

L) I am a named inventor on 2 U.S. patents assigned to Imageworks Interactive. The technology is regarding data management and organization for specific applications.

M) I am a named inventor on 82 U.S. patents assigned to International Business Machines Corporation. The technology is regarding error encoding distributed storage.

N) I am a named inventor on 3 U.S. patents assigned to Admark Athletic Ventures (now Athalonz). The technology is regarding athletic enhancing footwear based on the principles of physics

O) I am a named inventor on 2 U.S. patents assigned to Xilinx, Inc. The technology is regarding field programmable gate arrays.

As of October 15, 2024, I am a named inventor on 80 pending patent applications. Appendix II includes a list of my pending patent applications.

Appendix I

A list of my issued patents filed on or after 2001.

Patent No.	Patent Application Title	Filed Date	Application Number	Inventor(s)
7,184,490	LOW POWER DISTRIBUTED TRANSMITTER	12-18-2001	10/026,130	Mathew A. Rybicki Michael D. Cave Michael R. May Timothy W. Markison
7,190,083	HIGH FREQUENCY INTEGRATED CIRCUIT USING CAPACITIVE BONDING	01-07-2002	10/041,318	Michael D. Cave Michael R. May Mathew A. Rybicki Timothy W. Markison
9516483	WIRELESS COMMUNICATION BETWEEN STATIONS OF DIFFERING PROTOCOLS	05-28-2004	10/857,540	Christopher J. Hansen Jason Alexander Trachewsky Timothy W. Markison
7,211,465	METHOD OF USING CAPACITIVE BONDING IN A HIGH FREQUENCY INTEGRATED CIRCUIT	07-05-2005	11/174,824	Michael D. Cave Michael R. May Mathew A. Rybicki Timothy W. Markison
7,555,059	LOW POWER DISTRIBUTED TRANSMITTER	11-01-2006	11/591,405	Mathew A. Rybicki Michael D. Cave Michael R. May Timothy W. Markison
8,117,370	IC FOR HANDHELD COMPUTING UNIT OF A COMPUTING DEVICE	02-06-2008	12/026,689	Ahmadreza NMI Rofougaran Timothy W. Markison
8,064,952	A/V CONTROL FOR A COMPUTING DEVICE WITH HANDHELD AND EXTENDED COMPUTING UNITS	02-06-2008	12/026,704	Ahmadreza NMI Rofougaran Timothy W. Markison
8,151,100	OPERATING SYSTEM FOR A COMPUTING DEVICE WITH HANDHELD AND EXTENDED COMPUTING UNITS	02-06-2008	12/026,731	Ahmadreza NMI Rofougaran Timothy W. Markison
7,895,365	FILE STORAGE FOR A COMPUTING DEVICE WITH HANDHELD AND EXTENDED COMPUTING UNITS	02-06-2008	12/026,748	Ahmadreza NMI Rofougaran Timothy W. Markison
8,238,275	IC WITH MMW TRANSCEIVER COMMUNICATIONS	08-30-2008	12/202,255	Ahmadreza NMI Rofougaran Timothy W. Markison
8438322	PROCESSING MODULE WITH MILLIMETER WAVE TRANSCEIVER INTERCONNECTION	08-30-2008	12/202,256	Ahmadreza NMI Rofougaran Timothy W. Markison
8,280,303	DISTRIBUTED DIGITAL SIGNAL PROCESSOR	08-30-2008	12/202,257	Ahmadreza NMI Rofougaran Timothy W. Markison
8,175,108	WIRELESSLY CONFIGURABLE MEMORY DEVICE	08-30-2008	12/202,260	Ahmadreza NMI Rofougaran Timothy W. Markison
8,254,319	WIRELESS PROGRAMMABLE LOGIC DEVICE	09-23-2008	12/236,272	Ahmadreza NMI Rofougaran Timothy W. Markison

8,239,650	WIRELESSLY CONFIGURABLE MEMORY DEVICE ADDRESSING	09-23-2008	12/236,294	Ahmadreza NMI Rofougaran Timothy W. Markison
8,204,075	INTER-DEVICE WIRELESS COMMUNICATION FOR INTRA-DEVICE COMMUNICATIONS	04-30-2009	12/433,849	Ahmadreza NMI Rofougaran Timothy W. Markison
8,125,950	APPARATUS FOR WIRELESSLY MANAGING RESOURCES	05-30-2009	12/475,504	Ahmadreza NMI Rofougaran Timothy W. Markison
8949695	METHOD AND APPARATUS FOR NESTED DISPERSED STORAGE	02-25-2010	12/712,773	Gary W. Grube Timothy W. Markison
9047217	NESTED DISTRIBUTED STORAGE UNIT AND APPLICATIONS THEREOF	02-25-2010	12/712,842	Gary W. Grube Timothy W. Markison
8533424	COMPUTING SYSTEM UTILIZING DISPERSED STORAGE	04-06-2010	12/755,181	Gary W. Grube Timothy W. Markison
8352719	COMPUTING DEVICE BOOTING UTILIZING DISPERSED STORAGE	04-06-2010	12/755,200	Gary W. Grube Timothy W. Markison
8448016	COMPUTING CORE APPLICATION ACCESS UTILIZING DISPERSED STORAGE	04-06-2010	12/755,225	Gary W. Grube Timothy W. Markison
8527838	MEMORY CONTROLLER UTILIZING AN ERROR CODING DISPERSAL FUNCTION	04-06-2010	12/755,232	Gary W. Grube Timothy W. Markison
8381025	METHOD AND APPARATUS FOR DISPERSED STORAGE MEMORY DEVICE SELECTION	05-12-2010	12/778,663	Steven Mark Hoffman Jason K. Resch Gary W. Grube Timothy W. Markison
8478937	METHOD AND APPARATUS FOR DISPERSED STORAGE MEMORY DEVICE UTILIZATION	05-12-2010	12/778,680	Gary W. Grube Timothy W. Markison
9448730	METHOD AND APPARATUS FOR DISPERSED STORAGE DATA TRANSFER	05-12-2010	12/778,701	Gary W. Grube Timothy W. Markison
8924387	SOCIAL NETWORKING UTILIZING A DISPERSED STORAGE NETWORK	05-28-2010	12/789,459	Gary W. Grube Timothy W. Markison
8402344	METHOD AND APPARATUS FOR CONTROLLING DISPERSED STORAGE OF STREAMING DATA	06-09-2010	12/797,208	Gary W. Grube Timothy W. Markison
8438456	METHOD AND APPARATUS FOR DISPERSED STORAGE OF STREAMING DATA	06-09-2010	12/797,339	Gary W. Grube Timothy W. Markison
8548913	METHOD AND APPARATUS TO SECURE AN ELECTRONIC COMMERCE TRANSACTION	06-09-2010	12/797,228	Gary W. Grube Timothy W. Markison
8689354	METHOD AND APPARATUS FOR ACCESSING SECURE DATA IN A DISPERSED STORAGE SYSTEM	06-09-2010	12/797,165	Gary W. Grube Timothy W. Markison
8307263	METHOD AND APPARATUS FOR DISPERSED STORAGE OF STREAMING MULTI-MEDIA DATA	06-13-2010	12/814,470	Gary W. Grube Timothy W. Markison
8433978	DATA DISTRIBUTION UTILIZING UNIQUE READ PARAMETERS IN A DISPERSED STORAGE SYSTEM	07-23-2010	12/842,942	Gary W. Grube Timothy W. Markison

8291277	DATA DISTRIBUTION UTILIZING UNIQUE WRITE PARAMETERS IN A DISPERSED STORAGE SYSTEM	07-23-2010	12/842,949	Timothy W. Markison Gary W. Grube
8522074	INTENTIONALLY INTRODUCED STORAGE DEVIATIONS IN A DISPERSED STORAGE NETWORK	07-23-2010	12/842,932	Timothy W. Markison Gary W. Grube S. Christopher Gladwin Alan E. Holmes Wesley B. Leggette Jason K. Resch
8527807	LOCALIZED DISPERSED STORAGE MEMORY SYSTEM	07-28-2010	12/845,590	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
60 2010 044 887.8	MEMORY CONTROLLER UTILIZING DISTRIBUTED STORAGE	07-30-2010	10805139.2	Gary W. Grube Timothy W. Markison
60 2010 054 679.9	MEMORY CONTROLLER UTILIZING DISTRIBUTED STORAGE	07-30-2010	13156630.9	Gary W. Grube Timothy W. Markison
10509709	INDIRECT STORAGE OF DATA IN A DISPERSED STORAGE SYSTEM	08-04-2010	12/850,607	Gary W. Grube Timothy W. Markison
8464133	MEDIA CONTENT DISTRIBUTION IN A SOCIAL NETWORK UTILIZING DISPERSED STORAGE	08-04-2010	12/850,609	Gary W. Grube Timothy W. Markison
9043489	ROUTER-BASED DISPERSED STORAGE NETWORK METHOD AND APPARATUS	08-04-2010	12/850,610	Gary W. Grube Timothy W. Markison
8572282	ROUTER ASSISTED DISPERSED STORAGE NETWORK METHOD AND APPARATUS	08-04-2010	12/850,611	Gary W. Grube Timothy W. Markison
8688907	LARGE SCALE SUBSCRIPTION BASED DISPERSED STORAGE NETWORK	08-25-2010	12/862,878	Gary W. Grube Timothy W. Markison
8458233	DATA DE-DUPLICATION IN A DISPERSED STORAGE NETWORK UTILIZING DATA CHARACTERIZATION	09-17-2010	12/885,244	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
8819452	EFFICIENT STORAGE OF ENCRYPTED DATA IN A DISPERSED STORAGE NETWORK	09-17-2010	12/885,124	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
8990585	TIME BASED DISPERSED STORAGE ACCESS	09-20-2010	12/886,368	Gary W. Grube Timothy W. Markison
8762343	DISPERSED STORAGE OF SOFTWARE	10-12-2010	12/902,684	Gary W. Grube Timothy W. Markison

8352831	DIGITAL CONTENT DISTRIBUTED STORAGE	10-13-2010	12/903,781	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
9462316	DIGITAL CONTENT RETRIEVAL UTILIZING DISPERSED STORAGE	10-13-2010	12/903,212	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
8522113	SELECTING STORAGE FACILITIES AND DISPERSAL PARAMETERS IN A DISPERSED STORAGE NETWORK	11-09-2010	12/942,692	Gary W. Grube Timothy W. Markison
60 2010 045 630.7	DATA DE-DUPLICATION IN A DISPERSED STORAGE NETWORK UTILIZING DATA CHARACTERIZATION	11-23-2010	10833828.6	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
8885821	SEQUENCING ENCODED DATA SLICES	11-28-2010	12/954,875	Gary W. Grube Timothy W. Markison
8649521	OBFUSCATION OF SEQUENCED ENCODED DATA SLICES	11-28-2010	12/954,884	Gary W. Grube Timothy W. Markison
8938013	DISPERSAL OF PRIORITY DATA IN A DISPERSED STORAGE NETWORK	12-31-2010	12/983,209	Gary W. Grube Timothy W. Markison
9311184	STORING RAID DATA AS ENCODED DATA SLICES IN A DISPERSED STORAGE NETWORK	12-31-2010	12/983,226	Gary W. Grube Timothy W. Markison
8725940	DISTRIBUTEDLY STORING RAID DATA IN A RAID MEMORY AND A DISPERSED STORAGE NETWORK MEMORY	12-31-2010	12/983,232	Gary W. Grube Jason K. Resch Timothy W. Markison
8707091	FAILSAFE DIRECTORY FILE SYSTEM IN A DISPERSED STORAGE NETWORK	02-04-2011	13/021,657	S. Christopher Gladwin Gary W. Grube Jason K. Resch Timothy W. Markison
8566354	STORAGE AND RETRIEVAL OF REQUIRED SLICES IN A DISPERSED STORAGE NETWORK	02-04-2011	13/021,537	Gary W. Grube Timothy W. Markison
9063881	SLICE RETRIEVAL IN ACCORDANCE WITH AN ACCESS SEQUENCE IN A DISPERSED STORAGE NETWORK	02-04-2011	13/021,552	Gary W. Grube Timothy W. Markison
8898513	Storing Data In Multiple Dispersed Storage Networks	05-11-2011	13/105,074	Gary W. Grube Timothy W. Markison

8521697	Rebuilding Data in Multiple Dispersed Storage Networks	05-11-2011	13/105,094	Gary W. Grube Timothy W. Markison
8683259	Accessing Data in Multiple Dispersed Storage Networks	05-11-2011	13/105,103	Gary W. Grube Timothy W. Markison
8707088	Reconfiguring Data Storage in Multiple Dispersed Storage Networks	05-11-2011	13/105,118	Jason K. Resch Gary W. Grube Timothy W. Markison
8626871	Accessing a Global Vault in Multiple Dispersed Storage Networks	05-11-2011	13/105,127	Jason K. Resch Gary W. Grube Timothy W. Markison
8959597	Entity Registration in Multiple Dispersed Storage Networks	05-11-2011	13/105,135	Jason K. Resch Gary W. Grube Timothy W. Markison
8683205	Accessing Data Utilizing Entity Registration in Multiple Dispersed Storage Networks	05-11-2011	13/105,136	Jason K. Resch Gary W. Grube Timothy W. Markison
8612831	ACCESSING DATA STORED IN A DISPERSED STORAGE MEMORY	06-06-2011	13/154,167	Gary W. Grube Timothy W. Markison
8555142	VERIFYING INTEGRITY OF DATA STORED IN A DISPERSED STORAGE MEMORY	06-06-2011	13/154,181	Gary W. Grube Timothy W. Markison
8621580	RETRIEVING ACCESS INFORMATION IN A DISPERSED STORAGE NETWORK	08-04-2011	13/197,998	Jason K. Resch Gary W. Grube S. Christopher Gladwin Thomas F. Shirley, Jr. Timothy W. Markison
10193689	STORING ACCESS INFORMATION IN A DISPERSED STORAGE NETWORK	08-04-2011	13/198,078	Jason K. Resch Gary W. Grube S. Christopher Gladwin Thomas F. Shirley, Jr. Timothy W. Markison
8621271	REPROVISIONING A MEMORY DEVICE INTO A DISPERSED STORAGE NETWORK MEMORY	08-05-2011	13/204,039	Gary W. Grube Timothy W. Markison Jason K. Resch
8762793	MIGRATING ENCODED DATA SLICES FROM A RE-PROVISIONED MEMORY DEVICE OF A DISPERSED STORAGE NETWORK MEMORY	08-05-2011	13/204,050	Gary W. Grube Timothy W. Markison Jason K. Resch Ilya Volvovski Manish Motwani
8904226	MIGRATING STORED COPIES OF A FILE TO STORED ENCODED DATA SLICES	08-05-2011	13/204,057	Jason K. Resch Gary W. Grube Timothy W. Markison

10157002	MIGRATING AN ENCODED DATA SLICE BASED ON AN END-OF-LIFE MEMORY LEVEL OF A MEMORY DEVICE	08-05-2011	13/204,061	Gary W. Grube Jason K. Resch Timothy W. Markison Ilya Volvovski Manish Motwani
8612821	DATA TRANSMISSION UTILIZING ROUTE SELECTION AND DISPERSED STORAGE ERROR ENCODING	10-03-2011	13/251,587	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
8918693	DATA TRANSMISSION UTILIZING DATA PROCESSING AND DISPERSED STORAGE ERROR ENCODING	10-03-2011	13/251,618	Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Gary W. Grube Timothy W. Markison S. Christopher Gladwin Jason K. Resch
8707105	UPDATING A SET OF MEMORY DEVICES IN A DISPERSED STORAGE NETWORK	10-04-2011	13/252,410	Gary W. Grube Timothy W. Markison
9483398	PARTITIONING DATA FOR STORAGE IN A DISPERSED STORAGE NETWORK	11-07-2011	13/291,030	Gary W. Grube Timothy W. Markison
8897443	WATERMARKING SLICES STORED IN A DISPERSED STORAGE NETWORK	12-01-2011	13/309,353	Gary W. Grube Timothy W. Markison
8683231	OBFUSCATING DATA STORED IN A DISPERSED STORAGE NETWORK	12-01-2011	13/309,432	Gary W. Grube Timothy W. Markison
9319463	REPRODUCING DATA FROM OBFUSCATED DATA RETRIEVED FROM A DISPERSED STORAGE NETWORK	12-01-2011	13/309,469	Gary W. Grube Timothy W. Markison
9081714	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO STORE DATA IN A DISPERSED STORAGE NETWORK MEMORY	01-10-2012	13/347,140	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
9081715	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO RETRIEVE DATA FROM A DISPERSED STORAGE NETWORK MEMORY	01-10-2012	13/347,204	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette

8726127	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO ACCESS A DISPERSED STORAGE NETWORK MEMORY	01-10-2012	13/347,266	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
10402268	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO ACQUIRE DIGITAL CONTENT FROM A DIGITAL CONTENT PROVIDER	01-10-2012	13/347,334	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
8938893	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	01-23-2012	13/355,778	Michael R. Adair Timothy W. Markison
10674786	ATHLETIC POSITIONING APPARATUS INCLUDING A HEEL PLATFORM AND APPLICATIONS THEREOF	01-23-2012	13/355,801	Michael R. Adair Timothy W. Markison
60 2012 060 576.6	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO STORE DATA IN A DISPERSED STORAGE NETWORK MEMORY	01-31-2012	12741687.3	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
10102063	TRANSFERRING DATA UTILIZING A TRANSFER TOKEN MODULE	02-14-2012	13/372,628	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
8910022	RETRIEVAL OF ENCODED DATA SLICES AND ENCODED INSTRUCTION SLICES BY A COMPUTING DEVICE	02-14-2012	13/372,650	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
8843803	UTILIZING LOCAL MEMORY AND DISPERSED STORAGE MEMORY TO ACCESS ENCODED DATA SLICES	03-06-2012	13/413,436	Jason K. Resch Gary W. Grube Timothy W. Markison
8880978	UTILIZING A LOCAL AREA NETWORK MEMORY AND A DISPERSED STORAGE NETWORK MEMORY TO ACCESS DATA	03-06-2012	13/413,469	Jason K. Resch Gary W. Grube Timothy W. Markison
8621175	WIRELESSLY CONFIGURABLE MEMORY DEVICE	03-26-2012	13/429,685	Ahmadreza NMI Rofougaran Timothy W. Markison

10452836	RETRIEVING A HYPERTEXT MARKUP LANGUAGE FILE FROM A DISPERSED STORAGE NETWORK MEMORY	04-18-2012	13/450,000	Gary W. Grube Timothy W. Markison
9292682	ACCESSING A SECOND WEB PAGE FROM A DISPERSED STORAGE NETWORK MEMORY BASED ON A FIRST WEB PAGE SELECTION	04-18-2012	13/450,034	Gary W. Grube Timothy W. Markison Jason K. Resch
8707393	PROVIDING DISPERSED STORAGE NETWORK LOCATION INFORMATION OF A HYPERTEXT MARKUP LANGUAGE FILE	04-18-2012	13/450,055	Gary W. Grube Timothy W. Markison
9141458	ADJUSTING A DATA STORAGE ADDRESS MAPPING IN A MAINTENANCE FREE STORAGE CONTAINER	04-18-2012	13/450,186	Gary W. Grube Timothy W. Markison
8996910	ASSIGNING A DISPERSED STORAGE NETWORK ADDRESS RANGE IN A MAINTENANCE FREE STORAGE CONTAINER	04-18-2012	13/450,198	S. Christopher Gladwin Jason K. Resch Gary W. Grube Timothy W. Markison
8954787	ESTABLISHING TRUST IN A MAINTENANCE FREE STORAGE CONTAINER	04-18-2012	13/450,212	S. Christopher Gladwin Jason K. Resch Gary W. Grube Timothy W. Markison
8762479	DISTRIBUTING MULTI-MEDIA CONTENT TO A PLURALITY OF POTENTIAL ACCESSING DEVICES	05-04-2012	13/464,166	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
9560133	ACQUIRING MULTI-MEDIA CONTENT	05-04-2012	13/464,272	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
9460148	COMPLETING DISTRIBUTION OF MULTI-MEDIA CONTENT TO AN ACCESSING DEVICE	06-20-2012	13/527,785	Gary W. Grube S. Christopher Gladwin Timothy W. Markison
8762770	Distribution of a customized preview of multi-media content	06-20-2012	13/527,819	Gary W. Grube S. Christopher Gladwin Timothy W. Markison
9244770	RESPONDING TO A MAINTENANCE FREE STORAGE CONTAINER SECURITY THREAT	06-20-2012	13/527,881	S. Christopher Gladwin Jason K. Resch Gary W. Grube Timothy W. Markison
8527828	DATA DISTRIBUTION UTILIZING UNIQUE WRITE PARAMETERS IN A DISPERSED STORAGE SYSTEM	07-02-2012	13/540,289	Timothy W. Markison Gary W. Grube
8661224	WIRELESSLY CONFIGURABLE MEMORY DEVICE ADDRESSING	07-05-2012	13/542,284	Ahmadreza Rofougaran Timothy W. Markison
8930649	CONCURRENT CODING OF DATA STREAMS	08-02-2012	13/565,562	Gary W. Grube Timothy W. Markison
8751894	Concurrent Decoding of Data Streams	08-02-2012	13/565,607	Gary W. Grube Timothy W. Markison

9213742	Time Aligned Transmission of Concurrently Coded Data Streams	08-02-2012	13/565,636	Gary W. Grube Timothy W. Markison
8882615	REPLACEABLE SECTIONS OF A PITCHING MOUND AND APPLICATIONS THEREOF	08-23-2012	13/593,360	Michael R. Adair Timothy W. Markison
8677214	Encoding Data Utilizing a Zero Information Gain Function	09-12-2012	13/611,962	Gary W. Grube Timothy W. Markison
8782494	Reproducing Data Utilizing a Zero Information Gain Function	09-12-2012	13/612,043	Gary W. Grube Timothy W. Markison
8856617	Sending a Zero Information Gain Formatted Encoded Data Slice	09-12-2012	13/612,116	Gary W. Grube Timothy W. Markison
8578147	Computing device booting utilizing dispersed storage	10-05-2012	13/645,703	Gary W. Grube Timothy W. Markison
9798616	Wirelessly Sending a Set of Encoded Data Slices	10-09-2012	13/647,518	Gary W. Grube Timothy W. Markison
9400714	Wirelessly Communicating a Data File	10-09-2012	13/647,528	Gary W. Grube Timothy W. Markison
8839368	Acquiring a Trusted Set of Encoded Data Slices	10-09-2012	13/647,533	Gary W. Grube Timothy W. Markison
8848906	Encrypting Data for Storage in a Dispersed Storage Network	11-27-2012	13/686,827	Gary W. Grube Timothy W. Markison
10140177	TRANSFERRING A PARTIAL TASK IN A DISTRIBUTED COMPUTING SYSTEM	12-06-2012	13/706,991	Gary W. Grube Timothy W. Markison
9203902	SECURELY AND RELIABLY STORING DATA IN A DISPERSED STORAGE NETWORK	12-06-2012	13/707,153	Gary W. Grube Timothy W. Markison
9203901	EFFICIENTLY STORING DATA IN A DISPERSED STORAGE NETWORK	12-06-2012	13/707,118	Gary W. Grube Timothy W. Markison
8882599	INTERACTIVE GAMING UTILIZING A DISPERSED STORAGE NETWORK	12-11-2012	13/711,295	Gary W. Grube Timothy W. Markison Jason K. Resch
8612827	DIGITAL CONTENT DISTRIBUTION UTILIZING DISPERSED STORAGE	01-08-2013	13/736,856	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison
9195684	Redundant Task Execution in a Distributed Storage and Task Network	01-29-2013	13/753,404	Gary W. Grube Timothy W. Markison
9588994	TRANSFERRING TASK EXECUTION IN A DISTRIBUTED STORAGE AND TASK NETWORK	01-29-2013	13/753,418	Gary W. Grube Timothy W. Markison
8612796	Computing Core Application Access Utilizing Dispersed Storage	01-29-2013	13/753,432	Gary W. Grube Timothy W. Markison
8621265	Computing Core Application Access Utilizing Dispersed Storage	01-29-2013	13/753,444	Gary W. Grube Timothy W. Markison

8726071	Localized Dispersed Storage Memory System	02-27-2013	13/779,452	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
10209903	Method and Apparatus for Dispersed Storage Memory Device Utilization	02-27-2013	13/779,469	Gary W. Grube Timothy W. Markison
9141468	MANAGING MEMORY UTILIZATION IN A DISTRIBUTED STORAGE AND TASK NETWORK	04-18-2013	13/865,679	Gary W. Grube Timothy W. Markison Jason K. Resch
8631592	Adjustable Athletic Positioning Apparatus and Applications Thereof	04-22-2013	13/867,406	Michael R. Adair Timothy W. Markison
10299533	Athletic Shoe Incorporating an Athletic Positioning Sole	04-22-2013	13/867,436	Michael R. Adair Timothy W. Markison
10510116	SYSTEM AND METHOD FOR MODIFYING VARIOUS TYPES OF ASSETS	04-23-2013	13/868,599	Thomas W. Becker John Moran Mike Barrett Gary W. Grube Timothy W. Markison
8667371	DATA DISTRIBUTION UTILIZING UNIQUE READ PARAMETERS IN A DISPERSED STORAGE SYSTEM	04-25-2013	13/870,138	Gary W. Grube Timothy W. Markison
8595596	METHOD AND APPARATUS FOR DISPERSED STORAGE OF STREAMING DATA	04-25-2013	13/870,194	Gary W. Grube Timothy W. Markison
9110833	NON-TEMPORARILY STORING TEMPORARILY STORED DATA IN A DISPERSED STORAGE NETWORK	05-08-2013	13/889,557	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
8935761	ACCESSING STORAGE NODES IN AN ON-LINE MEDIA STORAGE SYSTEM	05-08-2013	13/889,942	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
8762346	DATA DE-DUPLICATION IN A DISPERSED STORAGE NETWORK UTILIZING DATA CHARACTERIZATION	06-03-2013	13/908,516	S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch Gary W. Grube Timothy W. Markison

9537609	STORING A STREAM OF DATA IN A DISPERSED STORAGE NETWORK	06-17-2013	13/919,566	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
9258177	STORING A DATA STREAM IN A SET OF STORAGE DEVICES	06-17-2013	13/919,673	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
9545129	BASEBALL SHOE WITH CLEAT PATTERN FOR PITCHING	07-05-2013	13/935,926	Michael R. Adair Timothy W. Markison
8707586	ATHLETIC SHOE WITH ATHLETIC POSITIONING CLEAT PATTERN	07-05-2013	13/935,992	Michael R. Adair Timothy W. Markison
9295300	ATHLETIC SHOE WITH ATHLETIC POSITIONING PATTERN	07-05-2013	13/936,029	Michael R. Adair Timothy W. Markison
9015499	VERIFYING DATA INTEGRITY UTILIZING DISPERSED STORAGE	08-05-2013	13/959,688	Gary W. Grube Timothy W. Markison Jason K. Resch
9405607	MEMORY CONTROLLER UTILIZING AN ERROR CODING DISPERSAL FUNCTION	08-30-2013	14/014,692	Gary W. Grube Timothy W. Markison
8977801	COMPUTING SYSTEM UTILIZING DISPERSED STORAGE	09-09-2013	14/021,098	Gary W. Grube Timothy W. Markison
9454431	MEMORY SELECTION FOR SLICE STORAGE IN A DISPERSED STORAGE NETWORK	09-24-2013	14/035,433	Gary W. Grube Timothy W. Markison
8966009	ROUTER ASSISTED DISPERSED STORAGE NETWORK METHOD AND APPARATUS	10-25-2013	14/062,974	Gary W. Grube Timothy W. Markison
9684558	ACCESSING DATA STORED IN A DISPERSED STORAGE MEMORY	12-16-2013	14/107,157	Gary W. Grube Timothy W. Markison
8839068	DATA TRANSMISSION UTILIZING ROUTE SELECTION AND DISPERSED STORAGE ERROR ENCODING	12-16-2013	14/107,204	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
8972774	COMPUTING CORE APPLICATION ACCESS UTILIZING DISPERSED STORAGE	12-30-2013	14/143,524	Gary W. Grube Timothy W. Markison

9094402	RETRIEVING ACCESS INFORMATION IN A DISPERSED STORAGE NETWORK	12-30-2013	14/143,583	Jason K. Resch Gary W. Grube S. Christopher Gladwin Thomas F. Shirley, Jr. Timothy W. Markison
10092061	ADJUSTABLE ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	01-21-2014	14/159,860	Michael R. Adair Timothy W. Markison
10075523	EFFICIENT STORAGE OF DATA IN A DISPERSED STORAGE NETWORK	02-04-2014	14/172,140	Ilya Volvovski S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Thomas F. Shirley, Jr. Greg R. Dhuse Manish Motwani Andrew D. Baptist Wesley B. Leggette
9049463	DATA DISTRIBUTION UTILIZING UNIQUE READ PARAMETERS IN A DISPERSED STORAGE SYSTEM	03-03-2014	14/194,961	Gary W. Grube Timothy W. Markison
10216576	ENCODING DATA UTILIZING A ZERO INFORMATION GAIN FUNCTION	03-18-2014	14/217,662	Gary W. Grube Timothy W. Markison
9443099	METHOD AND APPARATUS FOR ACCESSING SECURE DATA IN A DISPERSED STORAGE SYSTEM	03-31-2014	14/230,169	Gary W. Grube Timothy W. Markison
9268641	LARGE SCALE SUBSCRIPTION BASED DISPERSED STORAGE NETWORK	03-31-2014	14/230,253	Gary W. Grube Timothy W. Markison
9424132	ADJUSTING DISPERSED STORAGE NETWORK TRAFFIC DUE TO REBUILDING	04-18-2014	14/256,205	Ilya Volvovski S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Thomas F. Shirley, Jr. Greg R. Dhuse Manish Motwani Andrew D. Baptist Wesley B. Leggette
9122596	UPDATING A SET OF MEMORY DEVICES IN A DISPERSED STORAGE NETWORK	04-21-2014	14/257,398	Gary W. Grube Timothy W. Markison
9116626	FAILSAFE DIRECTORY FILE SYSTEM IN A DISPERSED STORAGE NETWORK	04-21-2014	14/257,341	S. Christopher Gladwin Gary W. Grube Jason K. Resch Timothy W. Markison
9122628	DISTRIBUTEDLY STORING RAID DATA IN A RAID MEMORY AND A DISPERSED STORAGE NETWORK MEMORY	05-12-2014	14/275,814	Gary W. Grube Jason K. Resch Timothy W. Markison

9431055	LOCALIZED DISPERSED STORAGE MEMORY SYSTEM	05-12-2014	14/275,560	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
8966341	UTILIZING A DISPERSED STORAGE NETWORK ACCESS TOKEN MODULE TO ACCESS A DISPERSED STORAGE NETWORK MEMORY	05-13-2014	14/276,006	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
8977931	Method and apparatus for nested dispersed storage	05-27-2014	14/287,340	Gary W. Grube Timothy W. Markison
9661356	DISTRIBUTION OF UNIQUE COPIES OF BROADCAST DATA UTILIZING FAULT-TOLERANT RETRIEVAL FROM DISPERSED STORAGE	05-28-2014	14/289,064	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Jason K. Resch Wesley B. Leggette Alan E. Holmes
9195408	HIGHLY AUTONOMOUS DISPERSED STORAGE SYSTEM RETRIEVAL METHOD	05-29-2014	14/290,549	Gary W. Grube Timothy W. Markison
9607168	Obfuscating a Transaction in a Dispersed Storage System	05-30-2014	14/292,318	Gary W. Grube Timothy W. Markison Jason K. Resch
9823861	METHOD AND APPARATUS FOR SELECTING STORAGE UNITS TO STORE DISPERSED STORAGE DATA	05-30-2014	14/292,585	Gary W. Grube Timothy W. Markison
9081675	ENCODING DATA IN A DISPERSED STORAGE NETWORK	06-11-2014	14/302,377	Gary W. Grube Timothy W. Markison
9098409	DETECTING A COMPUTING SYSTEM BASIC INPUT/OUTPUT SYSTEM ISSUE	06-11-2014	14/302,390	Gary W. Grube Timothy W. Markison
9086964	UPDATING USER DEVICE CONTENT DATA USING A DISPERSED STORAGE NETWORK	06-11-2014	14/302,397	Gary W. Grube Timothy W. Markison
9489533	EFFICIENT MEMORY UTILIZATION IN A DISPERSED STORAGE SYSTEM	06-23-2014	14/312,550	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Jason K. Resch Wesley B. Leggette Andrew D. Baptist
9094428	DISTRIBUTING MULTI-MEDIA CONTENT TO A PLURALITY OF POTENTIAL ACCESSING DEVICES	06-24-2014	14/312,823	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
9021273	EFFICIENT STORAGE OF ENCRYPTED DATA IN A DISPERSED STORAGE NETWORK	06-26-2014	14/316,336	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch

9507735	DIGITAL CONTENT RETRIEVAL UTILIZING DISPERSED STORAGE	06-27-2014	14/318,347	Gary W. Grube Timothy W. Markison
9344500	Distributed Storage Time Synchronization Based on Storage Delay	06-30-2014	14/319,282	Jason K. Resch Gary W. Grube Timothy W. Markison
10015141	DISPERSED DATA STORAGE IN A VPN GROUP OF DEVICES	07-10-2014	14/328,311	Gary W. Grube Timothy W. Markison
9996548	DISPERSED STORAGE USING LOCALIZED PEER-TO-PEER CAPABLE WIRELESS DEVICES IN A PEER-TO-PEER OR FEMTO CELL SUPPORTED CARRIER SERVED FASHION	07-11-2014	14/328,904	Gary W. Grube Timothy W. Markison
9413393	ENCODING MULTI-MEDIA CONTENT FOR A CENTRALIZED DIGITAL VIDEO STORAGE SYSTEM	07-17-2014	14/333,968	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch
9043616	EFFICIENT STORAGE OF ENCRYPTED DATA IN A DISPERSED STORAGE NETWORK	07-21-2014	14/336,189	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch
9043548	Streaming Content Storage	08-01-2014	14/449,549	Gary W. Grube Timothy W. Markison Jason K. Resch
10154034	COOPERATIVE DATA ACCESS REQUEST AUTHORIZATION IN A DISPERSED STORAGE NETWORK	08-07-2014	14/454,013	Gary W. Grube Timothy W. Markison
9342406	DISPERSED STORAGE RE-DISPERSION METHOD BASED ON A FAILURE	08-18-2014	14/461,824	Gary W. Grube Timothy W. Markison Jason K. Resch
9128870	SENDING A ZERO INFORMATION GAIN FORMATTED ENCODED DATA SLICE	09-08-2014	14/480,139	Gary W. Grube Timothy W. Markison
9158625	ACQUIRING A TRUSTED SET OF ENCODED DATA SLICES	09-09-2014	14/480,882	Gary W. Grube Timothy W. Markison
9110834	UTILIZING LOCAL MEMORY AND DISPERSED STORAGE MEMORY TO ACCESS ENCODED DATA SLICES	09-09-2014	14/480,945	Jason K. Resch Gary W. Grube Timothy W. Markison
9135114	ADJUSTING A DISPERSAL PARAMETER OF DISPERSEDLY STORED DATA	09-09-2014	14/481,245	Jason K. Resch Gary W. Grube Timothy W. Markison

9727418	CONFIGURING A GENERIC COMPUTING DEVICE UTILIZING SPECIFIC COMPUTING DEVICE OPERATION INFORMATION	09-10-2014	14/482,509	Gary W. Grube Timothy W. Markison Greg R. Dhuse Jason K. Resch Ilya Volvovski Wesley B. Leggette
9442800	DATA MIGRATION BETWEEN A RAID MEMORY AND A DISPERSED STORAGE NETWORK MEMORY	09-10-2014	14/482,633	Andrew D. Baptist Gary W. Grube Timothy W. Markison Jason K. Resch
9495240	ENCRYPTING DATA FOR STORAGE IN A DISPERSED STORAGE NETWORK	09-29-2014	14/499,570	Gary W. Grube Timothy W. Markison
9208026	UTILIZING A LOCAL AREA NETWORK MEMORY AND A DISPERSED STORAGE NETWORK MEMORY TO ACCESS DATA	10-03-2014	14/505,835	Jason K. Resch Gary W. Grube Timothy W. Markison
9381419	REPLACEABLE SECTIONS OF A PITCHING MOUND AND APPLICATIONS THEREOF	10-03-2014	14/506,299	Michael R. Adair Timothy W. Markison
9313293	SOCIAL NETWORKING UTILIZING A DISPERSED STORAGE NETWORK	11-13-2014	14/540,305	Gary W. Grube Timothy W. Markison
9961957	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	12-08-2014	14/562,986	Michael R. Adair Timothy W. Markison
9603412	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	12-08-2014	14/563,027	Michael R. Adair Timothy W. Markison
10271611	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	12-08-2014	14/563,135	Michael R. Adair Timothy W. Markison
9717302	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	12-08-2014	14/563,100	Michael R. Adair Timothy W. Markison
9357009	ENTITY REGISTRATION IN MULTIPLE DISPERSED STORAGE NETWORKS	12-31-2014	14/587,781	Jason K. Resch Gary W. Grube Timothy W. Markison
9571577	TIME BASED DISPERSED STORAGE ACCESS	02-03-2015	14/612,422	Gary W. Grube Timothy W. Markison
9843412	OPTIMIZING ROUTING OF DATA ACROSS A COMMUNICATIONS NETWORK	02-06-2015	14/615,655	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch

9292385	Transforming Data in a Distributed Storage and Task Network	03-02-2015	14/635,178	Wesley B. Leggette Andrew D. Baptist Greg R. Dhuse Jason K. Resch Ilya Volvovski Manish Motwani S. Christopher Gladwin Gary W. Grube Thomas F. Shirley, Jr. Timothy W. Markison
9298550	ASSIGNING A DISPERSED STORAGE NETWORK ADDRESS RANGE IN A MAINTENANCE FREE STORAGE CONTAINER	03-16-2015	14/658,725	S. Christopher Gladwin Jason K. Resch Gary W. Grube Timothy W. Markison
10095872	ACCESSING DATA BASED ON A DISPERSED STORAGE NETWORK REBUILDING ISSUE	03-31-2015	14/675,183	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
10152601	RELIABLY RECOVERING STORED DATA IN A DISPERSED STORAGE NETWORK	03-31-2015	14/675,360	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
9208331	EFFICIENT STORAGE OF ENCRYPTED DATA IN A DISPERSED STORAGE NETWORK	04-07-2015	14/680,298	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch

9606867	MAINTAINING DATA STORAGE IN ACCORDANCE WITH AN ACCESS METRIC	04-07-2015	14/680,459	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
9747457	EFFICIENT STORAGE OF ENCRYPTED DATA IN A DISPERSED STORAGE NETWORK	05-06-2015	14/705,752	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Kumar Abhijeet Greg R. Dhuse Jason K. Resch
9407292	NON-TEMPORARILY STORING TEMPORARILY STORED DATA IN A DISPERSED STORAGE NETWORK	07-07-2015	14/792,898	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
10610101	ARM FATIGUE ANALYSIS SYSTEM	07-29-2015	14/812,868	Gary McCoy Timothy W. Markison
9471426	SENDING A ZERO INFORMATION GAIN FORMATTED ENCODED DATA SLICE	08-05-2015	14/819,113	Gary W. Grube Timothy W. Markison
9501358	ADJUSTING A DISPERSAL PARAMETER OF DISPERSEDLY STORED DATA	09-01-2015	14/842,129	Jason K. Resch Gary W. Grube Timothy W. Markison
10120755	MANAGING MEMORY UTILIZATION IN A DISTRIBUTED STORAGE AND TASK NETWORK	09-02-2015	14/843,092	Gary W. Grube Timothy W. Markison Jason K. Resch
9830222	ADJUSTING A DATA STORAGE ADDRESS MAPPING IN A MAINTENANCE FREE STORAGE CONTAINER	09-03-2015	14/844,145	Gary W. Grube Timothy W. Markison
9471427	UTILIZING A LOCAL AREA NETWORK MEMORY AND A DISPERSED STORAGE NETWORK MEMORY TO ACCESS DATA	11-02-2015	14/929,925	Jason K. Resch Gary W. Grube Timothy W. Markison
9715425	TIME ALIGNED TRANSMISSION OF CONCURRENTLY CODED DATA STREAMS	11-30-2015	14/954,836	Gary W. Grube Timothy W. Markison
9819447	STORING A DATA STREAM IN A SET OF STORAGE DEVICES	02-08-2016	15/017,991	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube

9870795	LOCALIZED DISPERSED STORAGE MEMORY SYSTEM	03-30-2016	15/085,648	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
10049008	STORING RAID DATA AS ENCODED DATA SLICES IN A DISPERSED STORAGE NETWORK	04-11-2016	15/095,637	Gary W. Grube Timothy W. Markison
10031804	SOCIAL NETWORKING UTILIZING A DISPERSED STORAGE NETWORK	04-11-2016	15/095,402	Gary W. Grube Timothy W. Markison
10169146	REPRODUCING DATA FROM OBFUSCATED DATA RETRIEVED FROM A DISPERSED STORAGE NETWORK	04-18-2016	15/131,488	Gary W. Grube Timothy W. Markison
10412165	ENTITY REGISTRATION IN MULTIPLE DISPERSED STORAGE NETWORKS	05-27-2016	15/167,482	Jason K. Resch Gary W. Grube Timothy W. Markison
9934091	WIRELESSLY COMMUNICATING A DATA FILE	06-23-2016	15/190,925	Gary W. Grube Timothy W. Markison
10173123	MODULAR PITCHING MOUND WITH REPLACEABLE TRAYS	07-04-2016	15/201,531	Timothy W. Markison
10200156	STORING A STREAM OF DATA IN A DISPERSED STORAGE NETWORK	07-18-2016	15/213,329	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
9672108	DISPERSED STORAGE NETWORK (DSN) AND SYSTEM WITH IMPROVED SECURITY	07-20-2016	15/214,970	Kumar Abhijeet Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch
10102068	NON-TEMPORARILY STORING TEMPORARILY STORED DATA IN A DISPERSED STORAGE NETWORK	08-01-2016	15/224,839	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
10007574	MEMORY CONTROLLER UTILIZING AN ERROR CODING DISPERSAL FUNCTION	08-01-2016	15/224,784	Gary W. Grube Timothy W. Markison

10108493	ADJUSTING DISPERSED STORAGE NETWORK TRAFFIC DUE TO REBUILDING	08-22-2016	15/242,858	Ilya Volvovski S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Thomas F. Shirley, Jr. Greg R. Dhuse Manish Motwani Andrew D. Baptist Wesley B. Leggette
9672109	ADAPTIVE DISPERSED STORAGE NETWORK (DSN) AND SYSTEM	08-29-2016	15/250,013	Kumar Abhijeet Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch
10372350	SHARED OWNERSHIP OF NAMESPACE RANGES	10-05-2016	15/285,582	Timothy W. Markison Jason K. Resch
9842063	ENCRYPTING DATA FOR STORAGE IN A DISPERSED STORAGE NETWORK	11-07-2016	15/345,262	Gary W. Grube Timothy W. Markison
10445006	ADJUSTING A DISPERSAL PARAMETER OF DISPERSEDLY STORED DATA	11-14-2016	15/350,762	Jason K. Resch Gary W. Grube Timothy W. Markison
10102069	MAINTAINING DATA STORAGE IN ACCORDANCE WITH AN ACCESS METRIC	01-06-2017	15/400,767	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
10394613	TRANSFERRING TASK EXECUTION IN A DISTRIBUTED STORAGE AND TASK NETWORK	01-10-2017	15/402,346	Gary W. Grube Timothy W. Markison
10805042	CREATING TRANSMISSION DATA SLICES FOR USE IN A DISPERSED STORAGE NETWORK	02-15-2017	15/433,824	Andrew D. Baptist Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Ilya Volvovski
9927978	DISPERSED STORAGE NETWORK (DSN) AND SYSTEM WITH IMPROVED SECURITY	02-27-2017	15/444,104	Kumar Abhijeet Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch

9760286	ADAPTIVE DISPERSED STORAGE NETWORK (DSN) AND SYSTEM	03-07-2017	15/451,906	Kumar Abhijeet Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch
9823845	ADAPTIVE DISPERSED STORAGE NETWORK (DSN) AND SYSTEM	06-02-2017	15/612,750	Kumar Abhijeet Greg R. Dhuse S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch
10235237	DECODING DATA STREAMS IN A DISTRIBUTED STORAGE NETWORK	06-21-2017	15/629,134	Gary W. Grube Timothy W. Markison
10304096	RENTING A PIPE TO A STORAGE SYSTEM	08-11-2017	15/675,564	Ilya Volvovski S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Thomas F. Shirley, Jr. Greg R. Dhuse Manish Motwani Andrew D. Baptist Wesley B. Leggette
11206878	BODY IMPACT PROTECTION SYSTEM	08-14-2017	15/676,498	Timothy W. Markison
11478026	BODY LIMB PROTECTION SYSTEM	08-14-2017	15/676,976	Timothy W. Markison
10653193	IMPACT FORCE DAMPENING AND DEFUSING STRUCTURE	08-15-2017	15/677,904	Timothy W. Markison
10716342	FORCE DEFUSING STRUCTURE	08-15-2017	15/677,918	Timothy W. Markison
11246507	WIRELESS IN-SHOE PHYSICAL ACTIVITY MONITORING APPARATUS	08-17-2017	15/679,831	Timothy W. Markison Sayfe Kiaei Gary McCoy
11129547	WIRELESS IN-SHOE PHYSICAL ACTIVITY MONITORING	08-17-2017	15/680,027	Timothy W. Markison Sayfe Kiaei Gary McCoy
10213134	WIRELESS IN-SHOE PHYSICAL ACTIVITY MONITORING IMPLEMENTATION	08-17-2017	15/680,057	Timothy W. Markison Sayfe Kiaei Gary McCoy
10653337	LOCAL OBJECT DETECTION SYSTEM	08-18-2017	15/680,863	Timothy W. Markison Sayfe Kiaei Gary McCoy
10365969	MULTIPLE WIRELESS COMMUNICATION SYSTEMS STREAM SLICES BASED ON GEOGRAPHY	08-25-2017	15/687,338	Gary W. Grube Timothy W. Markison
10651975	FORWARDING DATA AMONGST COOPERATIVE DSTN PROCESSING UNITS OF A MASSIVE DATA INGESTION SYSTEM	11-07-2017	15/805,811	S. Christopher Gladwin Greg R. Dhuse Timothy W. Markison Wesley B. Leggette Jason K. Resch Gary W. Grube

10298957	CONTENT-BASED ENCODING IN A MULTIPLE ROUTING PATH COMMUNICATIONS SYSTEM	11-17-2017	15/817,104	Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Gary W. Grube Timothy W. Markison S. Christopher Gladwin Jason K. Resch
10949301	PRE-POSITIONING SOCIAL MEDIA AND STREAMING DATA IN A CONTENT DISTRIBUTION SYSTEM	01-18-2018	15/874,461	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
10856614	ATHLETIC SHOE WITH PERFORMANCE FEATURES	03-19-2018	15/925,550	Timothy W. Markison Jeremiah Johnston Patricia M. Healy
10509577	RELIABLE STORAGE IN A DISPERSED STORAGE NETWORK	07-11-2018	16/032,288	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
10977194	SECURELY STORING RANDOM KEYS IN A DISPERSED STORAGE NETWORK	07-20-2018	16/040,786	Gary W. Grube Timothy W. Markison
10430276	OPTIMAL ORDERINGS OF PROCESSING UNIT PRIORITIES IN A DISPERSED STORAGE NETWORK	07-30-2018	16/048,471	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
10881168	ATHLETIC SHOE OUTSOLE WITH GRIP AND GLIDE TREAD PATTERN	08-24-2018	16/112,096	Timothy W. Markison Jeremiah Johnston Patricia M. Healy
10866754	CONTENT ARCHIVING IN A DISTRIBUTED STORAGE NETWORK	09-21-2018	16/137,681	Gary W. Grube Timothy W. Markison
11010357	RELIABLY RECOVERING STORED DATA IN A DISPERSED STORAGE NETWORK	10-04-2018	16/151,513	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala

11064760	ADJUSTABLE ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	10-05-2018	16/152,538	Michael R. Adair Timothy W. Markison
10678450	MIGRATING AN ENCODED DATA SLICE BASED ON AN END-OF-LIFE MEMORY LEVEL OF A MEMORY DEVICE	10-30-2018	16/174,504	Gary W. Grube Jason K. Resch Timothy W. Markison Ilya Volvovski Manish Motwani
10463943	MODULAR BULLPEN MOUND WITH REPLACEABLE TRAYS	01-03-2019	16/238,918	Timothy W. Markison
10574395	STORING A STREAM OF DATA IN A DISPERSED STORAGE NETWORK	01-04-2019	16/239,651	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
10684977	LOW VOLTAGE DRIVE CIRCUIT WITH BUS ISOLATION AND METHODS FOR USE THEREWITH	01-14-2019	16/246,772	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
10831690	CHANNEL ALLOCATION AMONG LOW VOLTAGE DRIVE CIRCUITS	01-14-2019	16/247,164	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11003205	RECEIVE ANALOG TO DIGITAL CIRCUIT OF A LOW VOLTAGE DRIVE CIRCUIT DATA COMMUNICATION SYSTEM	02-04-2019	16/266,953	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
10970168	ADJUSTING DISPERSED STORAGE ERROR ENCODING PARAMETERS BASED ON PATH PERFORMANCE	04-08-2019	16/378,041	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
11013291	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	04-29-2019	16/397,605	Michael R. Adair Timothy W. Markison
11029782	LIGHT EMITTING DIODE (LED) TOUCH DISPLAY CIRCUIT	05-03-2019	16/403,200	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11555687	Capacitive imaging glove	08-08-2019	16/535,464	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison

10976837	USER INPUT PASSIVE DEVICE FOR USE WITH AN INTERACTIVE DISPLAY DEVICE	08-20-2019	16/545,365	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison Michael Shawn Gray Garry Joel Baum
11172728	ADJUSTABLE ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	08-29-2019	16/554,938	Michael R. Adair Timothy W. Markison
11375768	ADJUSTABLE ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	08-29-2019	16/555,171	Michael R. Adair Timothy W. Markison
11017845	RAM CELL PROCESSING CIRCUIT FOR CONCURRENCY OF REFRESH AND READ	09-11-2019	16/568,079	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11331545	FORCE FOCUSING GOLF CLUB	09-13-2019	16/570,548	Timothy W. Markison
10908641	Display generated data transmission from user device to touchscreen via user	10-09-2019	16/596,928	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
10828548	MODULAR MOUND CORE	10-15-2019	16/653,676	Timothy W. Markison
11221980	LOW VOLTAGE DRIVE CIRCUIT OPERABLE TO CONVEY DATA VIA A BUS	10-31-2019	16/670,370	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11789921	SYSTEM AND METHOD FOR MODIFYING VARIOUS TYPES OF ASSETS	12-16-2019	16/715,296	Thomas W. Becker John Moran Mike Barrett Gary W. Grube Timothy W. Markison
11935397	ORGANIC & INORGANIC TEST SYSTEM	12-30-2019	16/730,118	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
11101929	Dynamically Caching Data For Storage In Storage Units Of A Content Delivery Network	02-12-2020	16/789,139	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
11079888	Sensitivity Region of Interest Processing (ROIP) for Input/Output (I/O) Operative Touch Sensor Device (TSD)	02-18-2020	16/793,078	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison

11213205	ARM FATIGUE ANALYSIS SYSTEM	04-03-2020	16/839,985	Gary McCoy Timothy W. Markison
11182038	ENCODED DATA PATTERN TOUCHSCREEN SENSING SYSTEM	04-08-2020	16/842,938	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison Patricia M. Healy
10831600	Establishing An Operation Execution Schedule In A Storage Network	04-21-2020	16/854,010	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
10733133	LOW VOLTAGE DRIVE CIRCUIT WITH RANGE LIMITS AND METHODS FOR USE THEREWITH	04-21-2020	16/854,379	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11070318	Forwarding Data Amongst Cooperative Computing Devices Of A Massive Data Ingestion System	04-28-2020	16/860,302	S. Christopher Gladwin Greg R. Dhuse Timothy W. Markison Wesley B. Leggette Jason K. Resch Gary W. Grube
10826747	LOW VOLTAGE DRIVE CIRCUIT WITH DIGITAL TO DIGITAL CONVERSION AND METHODS FOR USE THEREWITH	05-15-2020	16/875,239	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11340995	INTEGRATED CIRCUIT WITH PROGRAMMABLE INPUT/OUTPUT MODULE	05-21-2020	16/879,905	Richard Stuart Seger, Jr. Gerald Dale Morrison Daniel Keith Van Ostrand Patrick Troy Gray Timothy W. Markison
11221704	SCREEN-TO-SCREEN COMMUNICATION VIA TOUCH SENSE ELEMENTS	05-26-2020	16/882,875	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
10915483	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING CHARACTERISTICS AND METHODS FOR USE THEREWITH	05-27-2020	16/884,339	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison

11073993	Predicting Usable Memory	05-28-2020	16/885,602	Gary W. Grube Jason K. Resch Timothy W. Markison Ilya Volvovski Manish Motwani
10831226	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING FREQUENCIES AND METHODS FOR USE THEREWITH	05-28-2020	16/885,551	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
10884967	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE FREQUENCY CHARACTERISTICS AND METHODS FOR USE THEREWITH	05-28-2020	16/885,675	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11504535	Pacemaker operative to deliver impulses of pace signal and sense cardiac response via single conductor of pacemaker lead	06-03-2020	16/891,543	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11439812	Array operative to perform distributed/patterned sensing and/or stimulation across patient bodily section	06-03-2020	16/891,591	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11327917	LOW VOLTAGE DRIVE CIRCUIT AND COMMUNICATION SYSTEM	06-10-2020	16/897,786	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Timothy W. Markison
11334425	Transmitting Synchronized Data Streams In A Distributed Storage Network	07-06-2020	16/921,451	Gary W. Grube Timothy W. Markison
11080138	Storing Integrity Information in a Vast Storage System	09-17-2020	17/023,971	Gary W. Grube Timothy W. Markison
10956292	Utilizing Integrity Information for Data Retrieval in a Vast Storage System	09-17-2020	17/023,868	Gary W. Grube Timothy W. Markison
10951457	LOW VOLTAGE DRIVE CIRCUIT WITH DIGITAL TO DIGITAL CONVERSION AND METHODS FOR USE THEREWITH	09-25-2020	17/032,748	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11054852	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING FREQUENCIES AND METHODS FOR USE THEREWITH	10-01-2020	17/060,426	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11853547	Generating Audit Record Data Files For A Transaction In A Storage Network	10-23-2020	17/079,234	Gary W. Grube Timothy W. Markison Jason K. Resch

11429486	Rebuilding Data Via Locally Decodable Redundancy in a Vast Storage Network	10-30-2020	17/084,828	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
11169948	CHANNEL ALLOCATION AMONG LOW VOLTAGE DRIVE CIRCUITS	11-09-2020	17/093,101	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11559107	ATHLETIC SHOE OUTSOLE WITH GRIP AND GLIDE TREAD PATTERN	12-01-2020	17/108,235	Timothy W. Markison Jeremiah Johnston Patricia M. Healy
11061847	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE FREQUENCY CHARACTERISTICS AND METHODS FOR USE THEREWITH	12-02-2020	17/109,894	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11416179	Storage Unit Solicitation For Encoded Data Slice Storage	12-08-2020	17/115,020	Gary W. Grube Timothy W. Markison
11320860	Display generated data transmission from user device to touchscreen via user	12-31-2020	17/139,514	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11151072	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING CHARACTERISTICS AND METHODS FOR USE THEREWITH	01-05-2021	17/141,531	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11360852	Selection of Memory in a Distributed Data Storage Network	01-18-2021	17/151,249	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
11704195	Pre-Positioning Target Content in a Storage Network	02-04-2021	17/167,882	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
11153143	LOW VOLTAGE DRIVE CIRCUIT WITH DIGITAL TO DIGITAL CONVERSION AND METHODS FOR USE THEREWITH	02-10-2021	17/172,310	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison

11526398	Determining An Error Encoding Function Ratio Based On Path Performance	03-04-2021	17/249,539	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
11734196	Decrypting Secure Packages In A Storage Network	03-10-2021	17/197,807	Gary W. Grube Timothy W. Markison
11194408	USER INPUT PASSIVE DEVICE AND INTERACTIVE DISPLAY DEVICE TOUCHSCREEN SYSTEM	03-17-2021	17/204,376	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11294420	DATA FORMATTING CIRCUIT OF A LOW VOLTAGE DRIVE CIRCUIT DATA COMMUNICATION SYSTEM	03-30-2021	17/217,822	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11269458	DRIVE SENSE CIRCUIT FOR AN LED TOUCH PANEL	04-06-2021	17/223,613	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11837279	SINGLE CYCLE READ PROCESSING IN RAM CELL	04-06-2021	17/223,267	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11922800	Biological Test System Testing Base	04-29-2021	17/244,631	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
12100290	Biological Test System Data Processing	04-29-2021	17/244,731	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
11510456	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	05-21-2021	17/327,054	Michael R. Adair Timothy W. Markison
11630533	Touchscreen data reception from user device via user	05-25-2021	17/329,462	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11638827	Current source drive-sense circuit (DSC) serviced pacemaker	05-27-2021	17/331,949	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison

12100291	DATA PROCESSING MODULE OF A BIOLOGICAL TEST SYSTEM	05-31-2021	17/303,496	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
11231735	LOW VOLTAGE DRIVE CIRCUIT WITH OSCILLATING FREQUENCIES AND METHODS FOR USE THEREWITH	06-03-2021	17/303,612	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11662915	Parity In a Vast Storage System Using Alternate Memory	06-24-2021	17/356,838	Gary W. Grube Jason K. Resch Timothy W. Markison Ilya Volvovski Manish Motwani
11340988	Generating Integrity Information in a Vast Storage System	06-29-2021	17/362,251	Gary W. Grube Timothy W. Markison Sebastien Vas Zachary J. Mark Jason K. Resch
11811532	Dynamically Processing Data In A Vast Data Ingestion System	06-30-2021	17/363,281	S. Christopher Gladwin Greg R. Dhuse Timothy W. Markison Wesley B. Leggette Jason K. Resch Gary W. Grube
11973828	Acquiring Security Information in a Vast Storage Network	07-06-2021	17/367,854	Jason K. Resch Gary W. Grube Timothy W. Markison
11733818	IDENTIFYING CAPACITIVELY COUPLED DEVICES	07-19-2021	17/305,973	Richard Stuart Seger, Jr. Michael Shawn Gray Daniel Keith Van Ostrand Patrick Troy Gray Timothy W. Markison
11681402	Sensitivity Region of Interest Processing (ROIP) for Input/Output (I/O) Operative Touch Sensor Device (TSD)	07-23-2021	17/383,588	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
11366780	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING CHARACTERISTICS AND METHODS FOR USE THEREWITH	07-29-2021	17/444,016	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11709561	Display scanning frequency patterns to convey data	08-30-2021	17/461,377	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11822358	DRIVE-SENSE CIRCUIT TO DETERMINE EFFECTS OF DIFFERENT ELECTRICAL CHARACTERISTICS ON LOAD	09-23-2021	17/448,647	Patrick Troy Gray Michael Shawn Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison

11896367	WIRELESS IN-SHOE PHYSICAL ACTIVITY MONITORING	09-27-2021	17/485,613	Timothy W. Markison Sayfe Kiaei Gary McCoy
11907484	Function and Orientation Identification for Input/Output (I/O) Operative Touch Sensor Device (TSD)	09-30-2021	17/490,852	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
11730965	Drive-sense circuit (DSC) serviced electrocardiogram (ECG) leads	09-30-2021	17/489,958	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11829566	Enable/Disable Region of Interest Processing (ROIP) for Input/Output (I/O) Operative Touch Sensor Device (TSD)	10-27-2021	17/511,751	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
11899888	Device and Network Based Communications for Input/Output (I/O) Operative Touch Sensor Device (TSD)	10-28-2021	17/512,793	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
11947761	ENCODED DATA PATTERN TOUCHSCREEN SENSING COMPUTING DEVICE	10-29-2021	17/513,936	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison Patricia M. Healy
11580045	MULTIPLE COMMUNICATION CHANNEL ALLOCATION FOR LOW VOLTAGE DRIVE CIRCUITS	11-05-2021	17/520,447	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11797120	Screen-to-Screen package formats	11-30-2021	17/537,630	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11681641	SYNCHRONIZING A LOW VOLTAGE DRIVE CIRCUIT TO A BUS WHEN COUPLING THERETO	01-05-2022	17/647,101	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11609652	COMPUTING DEVICE FOR SCREEN-TO-SCREEN COMMUNICATION	01-05-2022	17/647,135	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
12121773	PERSONAL ATHLETE MONITORING SYSTEM	01-31-2022	17/649,539	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs

11954057	DATA CONVEYANCE AND COMMUNICATION FOR THREE OR MORE LVDC ENABLED DEVICES	02-03-2022	17/649,907	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11726603	User device and touchscreen communication initialization and handshake	02-28-2022	17/681,928	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11681323	DATA FORMATTING OF A LOW VOLTAGE DRIVE CIRCUIT DATA COMMUNICATION SYSTEM	03-03-2022	17/653,398	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11720208	RGB LED TOUCH PANEL AND DRIVE SENSE CIRCUIT	03-04-2022	17/653,602	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
11740731	User device and touchscreen codec negotiation	03-30-2022	17/708,204	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
12008190	Display generated data transmission from user device to touchscreen via user	03-31-2022	17/709,549	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
12007421	LOAD SENSING CIRCUIT EMPLOYING SINK AND SENSE CONFIGURATION	04-12-2022	17/718,459	Patrick Troy Gray Michael Shawn Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
11875005	TOUCH SCREEN DISPLAY WITH TOUCHLESS INDICATIONS AND METHODS FOR USE THEREWITH	04-12-2022	17/658,894	Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
11899867	TOUCH SCREEN DISPLAY WITH TOUCHLESS GESTURES AND METHODS FOR USE THEREWITH	04-12-2022	17/658,908	Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
11809278	PROGRAMMING A PROGRAMMABLE INPUT/OUTPUT (I/O) INTERFACE MODULE	04-27-2022	17/660,937	Richard Stuart Seger, Jr. Gerald Dale Morrison Daniel Keith Van Ostrand Patrick Troy Gray Timothy W. Markison
11615047	PACKET BASED COMMUNICATION USING LOW VOLTAGE DRIVE CIRCUITS	05-06-2022	17/662,370	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Timothy W. Markison
11907060	Coding of Data Streams in a Vast Storage Network	05-13-2022	17/663,299	Gary W. Grube Timothy W. Markison

11544146	Utilizing Integrity Information in a Vast Storage System	05-13-2022	17/743,717	Gary W. Grube Timothy W. Markison Sebastien Vas Zachary J. Mark Jason K. Resch
11580047	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING CHARACTERISTICS AND METHODS FOR USE THEREWITH	05-18-2022	17/663,947	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
12019821	Touchscreen to user device communication pathways	05-31-2022	17/828,649	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11966548	Device and Host Communications for Input/Output (I/O) Operative Touch Sensor Device (TSD)	05-31-2022	17/828,282	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
11977123	Sensing voltage using micro-watt sensor	05-31-2022	17/828,407	Patrick Troy Gray Michael Shawn Gray Timothy W. Markison Shayne X. Short, Ph.D.
12085618	Battery Serving Network with Multiple Loads with Individual Voltage Sensing at Each Load	05-31-2022	17/804,735	Patrick Troy Gray Michael Shawn Gray Timothy W. Markison Shayne X. Short, Ph.D.
11989093	Selection of Memory for Data Storage in a Storage Network	06-13-2022	17/806,662	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
11487620	Utilizing Locally Decodable Redundancy Data in a Vast Storage Network	06-27-2022	17/850,145	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
11980760	Pacemaker operative to sense cardiac response during delivery of impulse of pace signal	06-30-2022	17/854,413	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11762745	Encoding Data Based on Targeted Storage Unit Information	07-13-2022	17/812,279	Gary W. Grube Timothy W. Markison

11740752	Device with Signal Generator	07-13-2022	17/864,249	Kevin Joseph Derichs Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Timothy W. Markison
11644860	CONFIGURING A PROGRAMMABLE DRIVE SENSE UNIT	07-21-2022	17/814,165	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Patrick Troy Gray Michael Shawn Gray Timothy W. Markison
11635286	Electrode mapping and signal orthogonality for capacitive imaging glove	07-28-2022	17/875,555	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11625300	Recovering Missing Data in a Storage Network via Locally Decodable Redundancy Data	09-20-2022	17/933,563	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
11714719	Tiered Storage of Data in a Storage Network	09-30-2022	17/937,365	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
11980761	Pacemaker operative to deliver impulses of pace signal and sense cardiac response via single conductor of pacemaker lead	10-28-2022	17/975,729	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11815998	Selecting Routing Paths for Sending Encoded Data Slices	11-14-2022	18/054,992	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
11964158	Pacemaker operational adaptation based on continuous monitoring of cardiac response including during delivery of impulse of pace signal and during response to impulse of pace signal	11-16-2022	17/987,949	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
11896085	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	11-28-2022	17/994,872	Michael R. Adair Timothy W. Markison
11755413	Utilizing Integrity Information to Determine Corruption in a Vast Storage System	11-29-2022	18/059,833	Gary W. Grube Timothy W. Markison Sebastien Vas Zachary J. Mark Jason K. Resch

11868298	DATA CONVEYANCE AND COMMUNICATION SCHEME FOR TWO PARTY LOW VOLTAGE DRIVE CIRCUIT COMMUNICATION	11-30-2022	18/060,278	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
11740067	Capacitive imaging glove	12-05-2022	18/074,934	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11693811	LOW VOLTAGE DRIVE CIRCUIT WITH VARIABLE OSCILLATING CHARACTERISTICS AND METHODS FOR USE THEREWITH	01-04-2023	18/149,932	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
12042009	ATHLETIC SHOE OUTSOLE WITH GRIP AND GLIDE TREAD PATTERN	01-23-2023	18/157,896	Timothy W. Markison Jeremiah Johnston Patricia M. Healy
12079083	Rebuilding Missing Data in a Storage Network via Locally Decodable Redundancy Data	02-27-2023	18/175,143	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
12073042	Touchscreen data reception from user device via user	03-01-2023	18/116,120	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
12112290	COMPUTER WITH IMPROVED COMPUTER ARCHITECTURE	03-06-2023	18/178,741	Timothy W. Markison
11933607	Electrode mapping and signal orthogonality for capacitive imaging glove	03-30-2023	18/128,738	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
11947381	DATA FORMATTING MODULE OF A LOW VOLTAGE DRIVE CIRCUIT	03-30-2023	18/192,701	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
12007930	LOW VOLTAGE DRIVE CIRCUIT WITH DRIVE SENSE AND METHODS FOR USE THEREWITH	05-17-2023	18/319,283	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
12093073	TRANSMIT SIDE OF LOW VOLTAGE DRIVE CIRCUIT (LVDC) WITH NON-SYNC DATA CHANNELS	06-14-2023	18/334,575	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison

12056314	DATA DRIVE INPUT CIRCUIT	06-26-2023	18/214,240	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
12018940	Digit movement detection based on capacitive imaging	06-30-2023	18/217,036	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
12056315	AMBIENT LIGHT SENSOR FOR A TOUCH PANEL DISPLAY	07-03-2023	18/346,338	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
12032772	Display scanning frequency patterns to convey data	07-19-2023	18/223,598	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison

Appendix II

A list of my pending patent applications.

Application Number	Patent Application Title	Filed Date	Inventor(s)
17/305,038	GENERATION OF A DIGITAL PAD ON AN INTERACTIVE DISPLAY DEVICE	06-29-2021	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
17/380,227	EFFICIENT STORAGE OF DATA IN A DISPERSED STORAGE NETWORK	07-20-2021	Ilya Volvovski S. Christopher Gladwin Gary W. Grube Timothy W. Markison Jason K. Resch Thomas F. Shirley, Jr. Greg R. Dhuse Manish Motwani Andrew D. Baptist Wesley B. Leggette
17/490,245	Noninvasive heart and/or intrathoracic impedance sensor	09-30-2021	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
17/561,355	BODY IMPACT PROTECTION SYSTEM	12-23-2021	Timothy W. Markison
17/575,594	INSOLE XYZ FORCE DETECTION SYSTEM	01-13-2022	Michael Shawn Gray Kevin Joseph Derichs Richard Stuart Seger, Jr. Timothy W. Markison
17/649,506	VARIABLE SAMPLING RATE WITHIN A FOOT FORCE DETECTION SYSTEM	01-31-2022	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs
17/649,523	PLURALITY OF LAYERS OF PRESSURE SENSORS WITHIN A FOOT FORCE DETECTION SYSTEM	01-31-2022	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs
17/649,533	SHOE TO SHOE COMMUNICATION WITHIN A FOOT FORCE DETECTION SYSTEM	01-31-2022	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs
17/649,542	POWER HARVESTING IN A FOOT FORCE DETECTION SYSTEM	01-31-2022	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs
17/873,367	Array operative to perform distributed/patterned sensing and/or stimulation across patient bodily section	07-26-2022	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
17/970,276	Input/Output (I/O) Operative Touch Sensor Device (TSD)	10-20-2022	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison

18/059,866	VARIABLE CAPACITIVE FORCE SENSING STRUCTURE	11-29-2022	Michael Shawn Gray Richard Stuart Seger, Jr. Timothy W. Markison Kevin Joseph Derichs
18/059,785	PROGRAMMABLE IO MODULE	11-29-2022	Richard Stuart Seger, Jr. Gerald Dale Morrison Daniel Keith Van Ostrand Patrick Troy Gray Timothy W. Markison
18/181,203	COMMUNICATING DATA VIA A SCREEN-TO-SCREEN CONNECTION BASED ON DATA TYPE	03-09-2023	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
18/184,009	PROGRAMMABLE DRIVE SENSE UNIT	03-15-2023	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Patrick Troy Gray Michael Shawn Gray Timothy W. Markison
18/307,710	LOW VOLTAGE DRIVE CIRCUIT FOR SYNCHRONIZING TRANSMIT DATA FROM A HOST DEVICE TO CHANNELS ON A BUS	04-26-2023	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
18/144,535	Sensitivity Region of Interest Processing (ROIP) for Input/Output (I/O) Operative Touch Sensor Device (TSD)	05-08-2023	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
18/234,974	DATA CONVEYANCE AND COMMUNICATION OF THREE OR MORE LVDC ENABLED DEVICES	08-17-2023	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison
18/238,008	Device with Signal Generator	08-25-2023	Kevin Joseph Derichs Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Timothy W. Markison
18/238,735	Inter-digit movement detection based on capacitive imaging	08-28-2023	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
18/242,298	Spatial Filtering a Touch Signal of a Touch Screen Display	09-05-2023	Tyler Scott Harris John Christopher Price Grant Howard McGibney Timothy W. Markison Timothy D. Taylor

18/499,319	Sending Encoded Data Slices Via Multiple Routing Paths	11-01-2023	Gary W. Grube Timothy W. Markison S. Christopher Gladwin Greg R. Dhuse Andrew D. Baptist Ilya Volvovski Jason K. Resch
18/523,135	DETECTION OF TOUCHLESS GESTURES BASED ON CAPACITANCE IMAGE DATA	11-29-2023	Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
18/522,863	DISPLAY WITH TOUCHLESS INDICATIONS AND METHODS FOR USE THEREWITH	11-29-2023	Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
10-2021-7038655	LIGHT EMITTING DIODE (LED) TOUCH DISPLAY CIRCUIT	04-28-2020	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
10-2022-7004926	Capacitive imaging glove	07-30-2020	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
10-2022-7007468	USER INPUT PASSIVE DEVICE FOR USE WITH AN INTERACTIVE DISPLAY DEVICE	08-18-2020	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison Michael Shawn Gray Garry Joel Baum
10-2022-7012371	Display generated data transmission from user device to touchscreen via user	10-05-2020	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
10-2022-7024690	ORGANIC & INORGANIC TEST SYSTEM	12-08-2020	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
17/247,758	Assignment Of Tasks In A Distributed Storage Network	12-22-2020	Gary W. Grube Timothy W. Markison
10-2022-7030077	SCREEN-TO-SCREEN COMMUNICATION VIA TOUCH SENSE ELEMENTS	01-28-2021	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison

17/234,121	Storage Arbitrage in a Distributed Storage Network	04-19-2021	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
18/774,679	TOUCH SCREEN DISPLAY WITH PROXIMITY BASED VARIABLE TOUCH RESOLUTION	07-16-2024	Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
18/793,160	DATA DRIVE INPUT CIRCUIT	08-02-2024	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
18/809,965	Recovering Missing Data in a Storage Network via Locally Decodable Redundancy Data	08-20-2024	Ilya Volvovski Bruno H. Cabral Manish Motwani Thomas D. Cocagne Timothy W. Markison Gary W. Grube Wesley B. Leggette Jason K. Resch Michael C. Storm Greg R. Dhuse Yogesh R. Vedpathak Ravi V. Khadiwala
18/810,903	Touchscreen data reception from user device via user	08-21-2024	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
18/830,993	DATABASES OF AN IMPROVED COMPUTER FOR TECHNOLOGY	09-11-2024	Timothy W. Markison
18/892,701	Biological Test System Data Processing	09-23-2024	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
18/892,734	DATA PROCESSING MODULE OF A BIOLOGICAL TEST SYSTEM	09-23-2024	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy

18/909,158	Storage Network with Time-Based Storage Access	10-08-2024	Gary W. Grube Timothy W. Markison
16/876,612	IMPACT FORCE DAMPENING AND DEFUSING STRUCTURE	05-18-2020	Timothy W. Markison
16/947,069	DEFUSING CELL FOR IMPACT FORCE DEFUSION	07-16-2020	Timothy W. Markison
202080077745.1	RAM CELL PROCESSING CIRCUIT	09-08-2020	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
202080084689.4	Display generated data transmission from user device to touchscreen via user	10-05-2020	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Shayne X. Short, Ph.D. Timothy W. Markison
17/064,194	METHOD AND APPARATUS FOR AUTO-SCORING A GOLF-BASED GAME	10-06-2020	Timothy W. Markison Patricia M. Healy
202180012472.7	SCREEN-TO-SCREEN COMMUNICATION VIA TOUCH SENSE ELEMENTS	01-28-2021	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
17/445,676	Efficient Data Encoding And Processing In A Storage Network	08-23-2021	Gary W. Grube Timothy W. Markison
17/446,574	ORGANIC AND/OR INORGANIC MATERIAL TEST SYSTEM USING DIFFERENTIAL DRIVE-SENSE CIRCUITS	08-31-2021	Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Gerald Dale Morrison Patrick Troy Gray Phuong Huynh Timothy W. Markison Patricia M. Healy
17/448,633	VEHICLE SENSOR SYSTEM	09-23-2021	Richard Stuart Seger, Jr. Michael Shawn Gray Patrick Troy Gray Daniel Keith Van Ostrand Kevin Joseph Derichs Timothy W. Markison
17/815,491	LOW VOLTAGE DRIVE CIRCUIT ANALOG OUTBOUND DATA ENCRYPTION WITH FREQUENCY PRESERVATION	07-27-2022	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Michael Shawn Gray Timothy W. Markison
17/821,650	BIT SEQUENCE STORAGE METHOD AND SYSTEM	08-23-2022	Raymond Hicks Timothy W. Markison
17/823,729	PERSONAL MONITORING SYSTEM USING E-FIELD COMMUNICATIONS VIA A BODY	08-31-2022	Richard Stuart Seger, Jr. Michael Shawn Gray Kevin Joseph Derichs Daniel Keith Van Ostrand Timothy W. Markison
18/047,945	BODY LIMB PROTECTION SYSTEM	10-19-2022	Timothy W. Markison
17/975,118	Vehicle Computing System STS Communications with a Personal Computing Device and Applications Thereof	10-27-2022	Richard Stuart Seger, Jr. Michael Shawn Gray Daniel Keith Van Ostrand Timothy W. Markison

17/975,152	Personal Computing Device STS Communications with a Vehicle Computing System and Applications Thereof	10-27-2022	Richard Stuart Seger, Jr. Michael Shawn Gray Daniel Keith Van Ostrand Timothy W. Markison
18/178,792	COMPUTER FOR ENHANCING AND/OR EVOLVING TECHNOLOGY	03-06-2023	Timothy W. Markison
18/117,912	COMPUTER AND NEW OPERATIONS REGARDING TECHNOLOGY USEFULNESS	03-06-2023	Timothy W. Markison
18/117,934	COMPUTER AND NEW OPERATIONS REGARDING TECHNOLOGY PROTECTION	03-06-2023	Timothy W. Markison
18/117,952	COMPUTER AND NEW OPERATIONS REGARDING TECHNOLOGY DEVELOPMENT	03-06-2023	Timothy W. Markison
18/140,897	SHOE PLACARD ASSEMBLY	04-28-2023	Walter Edwin Balfour Timothy W. Markison Jeremiah Johnston
18/314,257	Managing Memory Devices in a Storage Network	05-09-2023	Gary W. Grube Jason K. Resch Timothy W. Markison Ilya Volvovski Manish Motwani
18/326,253	Managed Data Distribution Using a Wireless Network	05-31-2023	S. Christopher Gladwin Gary W. Grube Timothy W. Markison
18/217,686	TOUCH SENSITIVE PANEL SUPPORTING CAPACITIVELY COUPLED IDENTIFICATION CODE	07-03-2023	Richard Stuart Seger, Jr. Michael Shawn Gray Daniel Keith Van Ostrand Patrick Troy Gray Timothy W. Markison
18/218,780	Securely Storing Secure Packages in a Storage Network	07-06-2023	Gary W. Grube Timothy W. Markison
18/363,179	Generating Multiple Sets of Integrity Information in a Vast Storage System	08-01-2023	Gary W. Grube Timothy W. Markison Sebastien Vas Zachary J. Mark Jason K. Resch
18/232,152	Read Requests in a Directory-Less Storage Network	08-09-2023	Gary W. Grube Timothy W. Markison
18/236,153	Drive-sense circuit (DSC) serviced electrocardiogram (ECG) leads	08-21-2023	John Christopher Price Shayne X. Short, Ph.D. Timothy W. Markison
18/499,289	Ingesting and Storing Data in a Massive Data Ingestion System	11-01-2023	S. Christopher Gladwin Greg R. Dhuse Timothy W. Markison Wesley B. Leggette Jason K. Resch Gary W. Grube

18/508,311	DETERMINING THE EFFECTS OF DIFFERENT ELECTRICAL CHARACTERISTICS OF A DRIVE-SENSE CIRCUIT ON A LOAD	11-14-2023	Patrick Troy Gray Michael Shawn Gray Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Timothy W. Markison
18/519,637	Enable/Disable Region of Interest Processing (ROIP) for Input/Output (I/O) Operative Touch Sensor Device (TSD)	11-27-2023	Patrick Troy Gray Gerald Dale Morrison Daniel Keith Van Ostrand Richard Stuart Seger, Jr. Kevin Joseph Derichs Shayne X. Short, Ph.D. Timothy W. Markison
18/520,681	Generating an Audit Record Data File for a Storage Network Transaction	11-28-2023	Gary W. Grube Timothy W. Markison Jason K. Resch
18/526,519	SINGLE CYCLE TWO-BIT READ PROCESSING IN RAM CELL	12-01-2023	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison
18/531,827	Sensing Voltage Using Micro-watt Sensor Without High Impedance Shunt	12-07-2023	Patrick Troy Gray Michael Shawn Gray Timothy W. Markison Shayne X. Short, Ph.D.
18/544,511	ATHLETIC POSITIONING APPARATUS AND APPLICATIONS THEREOF	12-19-2023	Michael R. Adair Timothy W. Markison
18/401,819	Selecting Storage Targets in a Distributed Storage System	01-02-2024	Gary W. Grube Timothy W. Markison
18/407,626	SHOE WITH FORCE DEFUSING AND/OR FORCE DIRECTING CONSTRUCTS	01-09-2024	Timothy W. Markison
18/443,503	System and Method for Time-aligning Data Transmission to a Mobile Receiver	02-16-2024	Gary W. Grube Timothy W. Markison
18/617,243	ENCODED DATA PATTERN FOR TOUCHSCREEN SENSING	03-26-2024	Daniel Keith Van Ostrand Gerald Dale Morrison Richard Stuart Seger, Jr. Timothy W. Markison Patricia M. Healy
18/665,616	Preference Based Selection of Storage Network Memory for Data Storage	05-16-2024	S. Christopher Gladwin Timothy W. Markison Greg R. Dhuse Thomas F. Shirley, Jr. Wesley B. Leggette Jason K. Resch Gary W. Grube
18/732,747	LOW VOLTAGE DRIVE CIRCUIT FOR TRANSCEIVING ANALOG DATA VIA A BUS AND METHODS FOR USE THEREWITH	06-04-2024	Richard Stuart Seger, Jr. Daniel Keith Van Ostrand Gerald Dale Morrison Timothy W. Markison