

Basaj, Barbara L.
Engineering BSE '89

System for Therapeutic Exercise and Evaluation
 5,484,355 (1996)

Joint Extension Split
 5,681,269 (1997)

Anti-Embolism Stocking Aid
 5,826,761 (1998)

Joint Flexion and Extension and Extension Splints
 5,848,983 (1998)

Butler, Michael S.
Engineering BBE '95

Anti-Stick Adaptor for Hypodermic Dental Needles
 5,876,381 (1999)

Solution Applicator System
 5,989,205 (1999)

Castelaz, Patrick F.
Electrical Engineering Ph.D '78

Analog Associative Processor for Angle-Only Target Location
 4,914,604 (1990)

Ultra-High Speed Two-Dimensional Coordinate Transform
 Processor
 4,920,506 (1990)

Wavefront Vector Correlation Processor
 4,930,099 (1990)

Neural Network Signal Processor
 5,003,490 (1991)

Cellular Network Assignment Processor Using Randomly
 Triggered Adaptive Cell Thresholds
 5,001,631 (1991)

Cellular Network Assignment Processor Using
 Minimum/Maximum Convergence Technique
 5,093,781 (1992)

Clustering and Association Processor
 5,404,561 (1995)

Fine-Grained Microstructure Processor
 4,982,439 (1991)

Adaptive Processor for Multi-Source Data Fusion
 5,276,770 (1994)

Adaptive Network for In-Band Signal Separation
 5,510,323 (1992)

Neural Engine (NEAT)
 5,422,983 (1990)

Spatial-Temporal-Structural (STS) Processor for Multi-
 Sensor/Multi-Scan Data Fusion
 5,293,455 (1994)

Modular Cellular Automaton for Line Association and
 Identification
 5,206,916 (1993)

System for Correlating Object Reports Utilizing Connectionist
 Architecture
 5,454,064 (1995)

Fine-Grained Multi-Planar Clutter Rejection Processor
 5,499,195 (1996)

Self-Organizing Adaptive Replicate
 5,598,510 (1997)

DeGroot, Paul
Engineering BSE '84

Transvenous Defibrillation Lead and Method of Use
 5,144,960 (1992)

Multiple Pulse Cardioversion of Defibrillation
 5,360,435 (1994)

Atrial Defibrillator and Method of Use
 5,549,642 (1996)

Method and Apparatus for induction of Fibrillation
 5,653,740 (1997)

Method and Apparatus for Diagnosis and Treatment of
 Arrhythmias
 5,836,975 (1998)

Cardioversion Energy Reduction System
 5,836,976 (1998)

Fleckenstein, Andrew J.
Engineering BS '54

Timing Motor Drive Mechanism for Water Softener Valves
 3,742,768 (1973)

Regeneration Sensing System
 3,768,649 (1973)

Timing Motor Drive Mechanism for Water Softener Valves
 3,874,412 (1975)

Chemical Feeder for Water Softeners
 4,003,710 (1977)

Water Conditioning System Controls
 4,290,451 (1981)

Control System for Meter Actuated Regeneration in a Water
 Treatment System
 4,313,825 (1982)

Hause, Lawrence L.
Engineering BEE '66, Ph.D. '70

Mapping Method for a Microscope Slide
 5,786,130 (1998)

Halbach, Richard E.
Engineering BEE '70, Ph.D. '77

Nuclear Magnetic Resonance Blood Flowmeter
 4,613,818 (1986)

Blood Flow Imaging using a CW NMR Technique
4,697,147 (1987)

Filter System and method for Efficiently Suppressing Noise and Improving Edge Definition in a Digital Image
5,933,540 (1999)

Hirthe, Richard W.
Grad '97

Solder Paste and Residue Measurement System III
6,300,778 (2001)

Fluid Condition Monitoring
6,278,281 (2001)

Jaskolski, Stanley V.
Engineering BEE'62, MS '67

Silicon Thyristor Sensitive to Low Temperature with Thermal Switching Characteristics at Temperatures Less than 50 ° C
4,112,458 (1978)

Thermally-Sensitive, Photo-Controlled Semiconductor Switching Systems
4,119,848 (1978)

Temperature Sensitive Astable Multivibrator
4,184,126 (1980)

Temperature Sensitive Relaxation Oscillator
4,185,253 (1980)

Transducer Combining Comparator or Converter Function with Sensor Function
4,206,646 (1980)

Integrated Gate Turn-Off Device with Non-Regenerative Power Portion and Lateral Regenerative Portion Having Split Emission Path
4,213,067 (1980)

Thermally Self-Protected Power Switch Semiconductor Device
RE 30,514 (1981)

Integrated Gate Turn-Off Device with Lateral Regenerative Portion and Vertical Non-Regenerative Power Portion
4,268,846 (1981)

Radiant Energy Activated Semiconductor Switch
4,295,058 (1981)

Thyristor Having Widened Region of Temperature Sensitivity with Respect to Breakover Voltage
4,323,793 (1982)

Integrated Gate Turn-Off Device Having a Vertical Power Transistor Forming a Regenerative Loop with a Lateral Transistor
4,353,322 (1982)

Gate Turn-Off Device with High Turn-Off Gain
4,398,205 (1983)

Thermally Protected Semiconductor with Accurate Phase Control
4,458,287 (1984)

Laser Beam Plasma Pinch X-Ray System
4,504,964 (1985)

Columnated and Trimmed Magnetically Sensitive Semiconductor
4,516,144 (1985)

Amplified Gate Thyristor with Non-Latching Amplified Control Transistors Across Base Layers
4,529,998 (1985)

Plasma Pinch X-Ray Apparatus
4,536,884 (1985)

High Density, High Voltage Power FET
4,571,606 (1986)

X-Ray Lithography System
4,618,971 (1986)

Plasma Pinch X-Ray Method
4,633,492 (1986)

Koehler, Charles J. III
English '90, Grad '98

Fluid Condition Monitoring
6,278,281 (2001)

Peterson, Andrew C
Chemistry Ph.D. '92

Aminoheteroaryl-Substituted Glycerols
5,891,881 (1999)

Treatment of Respiratory Diseases Utilizing Alpha-Tocopheryl-Phosphocholine
5,883,084 (1999)

Retinoid Glycerol Phospholipid Conjugates
5,827,836 (1996)

Exocyclic Phosphoethanolamines
5,804,569 (1998)

Phosphocholines of Retinoids
5,776,915 (1998)

Phosphoethanolamine Conjugates of Vitamin D Compounds
5,691,328 (1997)

(o-ACYL-p-N-ACYLAMINO-PHENYL)-O-Phosphoethanolamines
5,661,138 (1997)

Heterocycle-Substituted Deoxy Glycerols and Antibacterial and Antiviral Compositions Containing the Same
Pending (1999)

Petrie, Adalore F
Electrical Engineering BA '51

Digital Waveform Conditioning Circuit
4255712 (1981)

Threshold Crossing Detector
5001364 (1991)

Short-Circuit Protected Switched Output Circuit
4977477 (1990)

Dual Limit Solenoid Driver Control Circuit
4764840 (1988)

- Fault Detection Circuit
4736267 (1988)
- Solenoid Driver Control Unit
4680667 (1987)
- Fault Tolerant Receiver
4642807 (1987)
- Digital Circuitry for Producing Indicative Signals at
Predetermined Times Prior to Periodic Pulses
4535464 (1985)
- Speed Dependent Ignition Controller and Method
4487183 (1984)
- Electronic Ignition Input Logic
4385605 (1983)
- Engine Control System with Cylinder Identification Apparatus
4378004 (1983)
- Digital Dwell Circuit
4300518 (1981)
- Ignition Dwell Circuit for an Internal Combustion Engine
4170209 (1979)
- Digital Waveform Conditioning Circuit
4110698 (1978)
- Pulse Generator For Use With An Electrical Musical Instrument
3821457 (1974)
- Organ System for Automatically Producing Runs of Various
Character
3780203 (1973)
- Rittler, Christopher G.**
Engineering BSE '86
- Discontinuous Transmission Muting/Unmuting System with
Link Continuity
5,146,610 (1992)
- Santi, John D.**
Engineering '52
- Gasoline Engine Exhaust Valve Rotator
3,574,304 (1971)
- Automatic Choke Actuator For Small Engines
3,578,289 (1971)
- Reed Switch For Rapid Cycle, High Power Applications
3,586,809 (1971)
- Long Lived Switch Means For Inductive DC Circuits
3,621,275 (1971)
- Method of Making an Assembly of Alternator Magnet Blocks
with Engine Flywheel
3,818,586 (1974)
- Assembly of Alternator Magnet Block with Engine Flywheel
3,82,212 (1974)
- Valve for Deep Vacuum Chambers
3,857,545 (1974)
- Method of Plugging Armature Slots
3, 991,152 (1976)
- Coil Winding Machine with Insulation Sheet Tensioning
Mechanism
4,168,808 (1979)
- Breakerless Flywheel Magneto Ignition System
4,188,930 (1980)
- Ignition Magneto Having an Improved Primary Winding
Construction
4,520,288 (1985)
- Laminated Wheel Assembly
4,522,080 (1985)
- Laminated Wheel Assembly
4,630,498 (1986)
- Method of Forming a Laminated Wheel Assembly
4,633,556 (1987)
- Method of Forming a Laminated Wheel Assembly
4,719,682 (1988)
- Magnesium Piston Coated with a Fuel Ignition Products
Adhesive
5,014,605 (1991)
- Engine Cylinder Bore
5,191,864 (1993)
- Crankpin Bearing for Connecting Rod of Internal Combustion
Engine
5,197,425 (1993)
- Connecting Rod with Improved Joint Design
5,243,878 (1993)
- Lubrication for Crankpin Bearing of Connecting Rod
5,265,700 (1993)
- Self-aligning Valve Assembly
5,313,917 (1994)
- Dynamic Gas Seal for Internal Combustion Engines
5,501,203 (1996)
- Valve Seat Retainer and Method of Making Same
5,522,353 (1996)
- Piston Ring Assembly and Method for Reducing Engine
Exhaust Emissions
5,655,433 (1997)
- Rolling Tool for Forming a Valve Seat Retainer
5,659,937 (1997)
- Method of Making a Valve Seat Retainer
5,704,121 (1998)
- Compressing Release with Snap-in Components
5,823,153 (1998)
- Composite Gear and Method of Making Same
5,852,951 (1998)
- Compression Release for Multi-cylinder Engines
5,992,367 (1999)
- Method of Making Composite Gear
6,014,808 (2000)

Soto, Ricardo**Engineering Ph.D. '78**

Chemical to Mechanical Energy Converter
3,760,645

Wakerly, John F.**Engineering '70**

PLL Circuit and Noise Reduction Means for PLL Circuit
6,249,560 (2001)

Method and Apparatus to Generate Mask Programmable Device
6,118,299 (2000)

Method and Apparatus to Generate Mask Programmable Device
5,943,488 (1999)

Method and Apparatus to Generate Mask Programmable Device
5,926,035 (1999)

Active Cache for a Microprocessor
5,875,466 (1999)

Final Stage Clock Buffer in a Clock Distribution Network
5,850,150 (1998)

Programmable Multiplexing Input/Output Port
5,847,578 (1998)

Logic Gate Having Transmission Gate for Electrically
Configurable Device Multiplexer
5,719,507 (1998)

Expandable Data Processing Chassis and Method of Assembly
Thereof
5,689,406 (1997)

Scan Compatible 3-State Bus Control
5,648,733 (1997)

Output Buffer Circuit for Interfacing Semiconductor Integrated
Circuits Operating on Different Supply Voltages
5,631,579 (1997)

Iterative Logic Circuit
5,621,337 (1997)

Communication Apparatus and Methods
5,610,905 (1997)

Active Cache for a Microprocessor
5,608,892 (1997)

Programmable Application Specific Integrated Circuit and
Logic Cell Therefor
5,587,669 (1996)

Systems and Methods for Accessing Multi-Port Memories
5,586,299 (1996)

Shadow DRAM for Programmable Bus Devices
5,581,198 (1996)

Computer System and Method for Pipelined Transfer of Data
Between Modules Utilizing a Shared Memory and a Pipeline
Having a Plurality of Registers
5,577,229 (1996)

Multiple Sequentially Transferable Stackpointers in a Data
Processor in a Pipelining System
5,566,307 (1996)

Expandable Data Processing Chassis and Methods of Assembly
Thereof
5,557,506 (1996)

Communication Apparatus and Method
5,515,376 (1996)

Weasler, Anthony V.**Engineering '28**

Phase-Controlled, Telescopically Extensible Shaft for
Connecting 2 UJ's
2,810,274 (1957)

Free Wheeling Guard for a Telescopic Shaft
2,911,803 (1959)

Quick Detachable Bearing Race and Free Wheeling Guard
2,919,562 (1960)

Quickly Demountable Free Wheeling Guard for a Shaft
2,923,140 (1960)

Guard Tube for Jointed Drive Shafts
3,031,865 (1962)

Improvements in or Relating to Bearings
1,017,876 (1962)

Guard Tube for Jointed Drive Shaft
113,441 (1963)

Lubrication of the Relatively Extensible Parts of a Telescopic
Shaft
3,105,370 (1963)

Universally Jointed Shaft with Integral Shock Absorbing
Coupling
3,108,457 (1963)

Shaft Coupling and a Method of Manufacturing Thereof
1,037,140 (UK) (1964)

Shaft Organization
3,194,615 (1965)

Quickly Detachable Connection for Coupled Shaft Elements
1,100,040 (UK) (1965)

Slide Lock for Releasably Connecting Shaft Elements
3,252,721 (1966)

Shaft Coupling with Dense Spline Ends
3,249,377 (1966)

Method of Manufacturing a Shaft Coupling
3,290,918 (1966)

Quickly Releasable Tube Mounting
731,885 (CN) (1966)

Shaft Coupling and a Method of Manufacturing Thereof
748,629 (CN) (1966)

Quickly Detachable Connection For Coupling Shaft Sections
3,240,519 (1966)

Coupling for Releasably Connecting Shaft Elements
1,065,269 (UK) (1967)

Quickly Detachable Connection for Coupled Shaft Elements
771,367 (CN) (1967)

Safety Cap for the Stub Shaft of a Tractor Power Take-Off or the Like
3,386,312 (1968)

Slide Lock for Releasably Connecting Shaft Elements
782,245 (CN) (1968)

Protecting Device for the Stub Shaft of a Tractor Power Take-Off or the Like
1,156,023 (UK) (1969)

Safety Cap for the Stub Shaft of a Tractor Power Take-Off or the Like
838,383 (CN) (1970)

Full Recirculating Linear Ball Bearings with Shaft Telescoping while Transmitting Torque
3,552,806 (1971)

Yao, Hongyang

Method to Produce Flame Retardant Styrenic Polymers and Product Produced Thereby
6,333,385 (2001)

Zhu, Jin Grad '01

Method to Produce Flame Retardant Styrenic Polymers and Product Produced Thereby
6,333,385 (2001)

Zimmerman, Joseph J. Engineering '35

Tape Transport Arrangement
3,850,386 (1974)

Tape Position Indicator Means for Telephone Answering Apparatus
3,863,029 (1974)

Spiral Disc Recorder Using a Single Motor for Turntable and Head Drive
3,922,717 (1975)

Tape Marking and Indicating Device for Remote Control Operation
3,931,470 (1976)

Remote Control Transcribing Device
3,953,680 (1976)

Variable Message Recorder Using a Disc without Grooves and a Single Motor to Provide both Turntable drive and Spiral Scanning
3,953,680 (1976)

Variable Message Recorder Employing Single Tape Loop Having Fast Reset
4,054,942 (1977)