

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

United States

5,109,267	O. Koblinger and H.-J. Trumpp	Method for Producing an Integrated Circuit Structure with a Dense Multilayer Metallization Pattern
5,109,512	J. E. Bahr, M. J. Corrigan, D. L. Knipfer, L. A. McMahon, and C. B. Metzger	Process for Dispatching Tasks Among Multiple Information Processors
5,115,420	B. I. Finkelstein and T. W. McDaniel	Utilizing Wasted Laser Light in Optical Systems
5,118,384	D. L. Harmon, M. L. Kerbaugh, N. T. Pascoe, and J. F. Rembetski	Reactive Ion Etching Buffer Mask
5,119,376	M. Badaoui, J. Calvignac, G. Carle, C. Garcia, and P. Vachee	Interconnection System for the Attachment of User Equipments to a Communication Processing Unit
5,119,489	A. L. Bond, D. R. Hughes, H. P. Posey, and A. M. Wiencken, Jr.	Method of Monitoring the Bring Up of All Units in a Multiple System from a Remote Unit Including Diagnostic Testing with Visual Indicator Illumination Indicating Operability
5,122,688	D. W. Grimes	Trinary Check Trit Generator, Latch, Comparator and Multiplexer
5,122,972	J. J. C. Richards and K. Williams	Help Provision in a Data Processing System
5,128,271	G. B. Bronner, D. L. Hareme, M. E. Jost, and R. N. Schulz	High Performance Vertical Bipolar Transistor Structure via Self-Aligning Processing Techniques
5,128,666	J.-M. Munier, M. Poret, and J.-C. Robbe	Protocol and Apparatus for a Control Link between a Control Unit and Several Devices
5,128,995	L. R. Arnold, R. Bealkowski, J. W. Blackledge, Jr., D. S. Cronk, R. A. Dayan, D. R. Geisler, M. T. Mittelstedt, M. S. Palka, Jr., J. D. Paul, R. Sachsenmaier, K. D. Smeltzer, P. A. Woytovich, and K. M. Zyvoloski	Apparatus and Method for Loading a System Reference Diskette Image from a System Partition in a Personal Computer System
5,129,080	D. M. Smith	Method and System Increasing the Operational Availability of a System of Computer Programs Operating in a Distributed System of Computers
5,129,086	D. J. Coyle, Jr., D. C. Hargrove, and J. M. McConaughy	System and Method for Intercommunicating between Applications and a Database Manager
5,129,087	R. C. Will	Computer System and a Method of Monitoring Transient Data Structures in a Computer System
5,129,088	M. A. Auslander, A. Chang, S. P. Morgan, J. T. O'Quin II, and J. C. O'Quin III	Data Processing Method to Create Virtual Disks from Non-Contiguous Groups of Logically Contiguous Addressable Blocks of Direct Access Storage Device
5,129,090	P. M. Bland, M. E. Dean, and P. E. Milling	System Bus Preempt for 80386 When Running in an 80386/82385 Microcomputer System with Arbitration

5,129,142	P. S. Bindra, D. A. Canfield, V. R. Markovich, J. McKeveny, R. E. Ruane, and E. L. Thomas	Encapsulated Circuitized Power Core Alignment and Lamination
5,129,962	B. L. Gutierrez and J. M. Sickler	Tacky, No-Clean, Thermally Dissipated Soldering Flux
5,130,067	P. L. Flaitz, A. M. Flanagan, J. M. Harvilchuck, L. W. Herron, J. U. Knickerbocker, R. W. Nufer, C. H. Perry, S. N. Reddy, and S. P. Young	Method and Means for Co-Sintering Ceramic/Metal MLC Substrates
5,130,229	K. Chang, G. Czornyj, A. H. Kumar, and H. O. Steimel	Multi Layer Thin Film Wiring Process Featuring Self-Alignment of Vias
5,130,274	J. M. E. Harper, K. L. Holloway, and T. Y. Kwok	Copper Alloy Metallurgies for VLSI Interconnection Structures
5,130,528	A. Phillips, Jr.	Opto-Photo-Electric Switch
5,130,575	R. K. Montoye	Testable Latch Self Checker
5,130,606	A. J. Morrish, J. D. Williams, D. J. Eagle, and A. M. Clitheroe	Method and Apparatus for Increasing the Cathode Efficiency in a Cathode Ray Tube
5,130,660	E. B. Flint and E. J. Yarmchuk	Miniature Electronic Device Aligner Using Capacitance Techniques
5,130,779	B. N. Agarwala, A. M. Ahsan, A. Bross, M. F. Chadurjian, N. G. Koopman, L.-C. Lee, K. J. Puttlitz, S. K. Ray, J. G. Ryan, J. G. Schaefer, K. K. Srivastava, P. A. Totta, E. G. Walton, and A. E. Wirsing	Solder Mass Conductive Encapsulating Arrangement
5,130,781	C. A. Kovac, P. G. Ledermann, and L. T. Nguyen	Dam for Lead Encapsulation
5,130,866	K. B. Klaassen and J. C. Leonandus van Peppen	Method and Circuitry for In-Situ Measurement of Transducer/Recording Medium Clearance and Transducer Magnetic Instability
5,130,874	R. B. Watrous	Disk File Actuator with Heat Dissipation and Simplified Component Mounting
5,130,922	L. Liu	Multiprocessor Cache Memory System Using Temporary Access States and Method for Operating Such a Memory
5,130,924	B. A. Barker, T. R. Edel, and J. A. Stark	System for Defining Relationships Among Document Elements Including Logical Relationships of Elements in a Multi-Dimensional Tabular Specification
5,130,992	A. H. Frey, Jr. and R. C. Mosteller	File-Based Redundant Parity Protection in a Parallel Computing System
5,131,016	J. C. Broughton, R. S. Cahn, J. P. Gray, and J. P. O'Donnell	Communications Network Data Compression Control System and Method
5,131,061	R. Betts	Modular Active Fiber Optic Coupler System
5,131,082	F. M. Bonevento, D. R. Chisholm, S. D. Dodds, D. M. Desai, E. N. Mandese, A. B. McNeill, and R. N. Mendelson	Command Delivery for a Computing System for Transfers between a Host and Subsystem Including Providing Direct Commands or Indirect Commands Indicating the Address of the Subsystem Control Block
5,131,085	R. G. Eikill and S. B. Levenstein	High Performance Shared Main Storage Interface
5,131,456	F.-H. Wu	Bimetallic Insert Fin for High Conduction Cooling Structure
5,132,351	M. J. Goldberg, H. Ito, C. A. Kovac, M. J. Palmer, R. A. Pollak, and P. A. Poore	Chemical Solder Comprising a Metal Salt, Polyphthalaldehyde and a Solvent
5,132,562	F. Chan, G. J. English, B. Salimi, and D. R. Weitzel	Push-Pull Driver without Input Saturation or Output Leakage
5,132,567	Y. K. Puri and R. A. Schulz	Low Threshold BiCMOS Circuit
5,132,613	D. J. Papae, D. F. Schomaker, and M. A. Sorna	Low Inductance Side Mount Decoupling Test Structure
5,132,617	M. A. Leach, B. J. Machesney, and E. J. Nowak	Method of Measuring Changes in Impedance of a Variable Impedance Load by Disposing an Impedance Connected Coil within the Air Gap of a Magnetic Core
5,132,746	E. E. Mendez, T. P. Smith III, and J. M. Woodall	Biaxial-Stress Barrier Shifts in Pseudomorphic Tunnel Devices
5,132,827	K. G. Smith and D. Sawdon	Optical Fibre Communication Link for Connecting a Peripheral Device to a Computer System
5,132,828	D. E. Conner and A. G. MacInnis	Analog Video Fiber Optic Link
5,132,853	J. E. Kulakowski and R. J. Means	Allocation Procedures for Optical Disk Recorders
5,132,857	J. H. Russell-Smith and I. S. Warn	Carrier and Method of Attachment for Disk File Head/Arm Assemblies
5,132,859	P. C. Andricacos, J.-W. Chang, B. Petek, and L. T. Romankiw	Thin Film Structures for Magnetic Recording Heads
5,132,889	L. J. Hitchcock, M. M. Walters, and R. A. Wunderlich	Resonant-Transition DC-to-DC Converter
5,132,891	M. Kobayashi, M. Mori, and N. Morimoto	Power Supply Apparatus

5,132,900	F. W. Gilchrist and M. L. Williams	Method and Apparatus for Limiting Manipulation of Documents within a Multi-Document Relationship in a Data Processing System
5,132,902	M. L. Williams	Method for Automated Process Delay within a Data Processing System
5,132,954	J. E. Kulakowski, R. J. Means, and M. Tayefeh	Controls for Optical Disk Relating to Accessing and Utilization of Such Disk
5,132,962	R. B. Hobgood, J. L. Smith, B. S. Trubey, and A. D. Walker	Fault Isolation and Bypass Reconfiguration Unit
5,132,963	G. Ungerboeck	Echo Cancelling Device Providing Adjustment of the Echo Canceller Coefficients during Full-Duplex Transmission
5,132,967	D. M. Kalajainen	Single Competitor Arbitration Scheme for Common Bus
5,133,011	F. A. McKiel, Jr.	Method and Apparatus for Linear Vocal Control of Cursor Position
5,133,053	D. W. Johnson, L. K. Loucks, and A. A. Shaheen-Gouda	Interprocess Communication Queue Location Transparency
5,133,061	E. A. Melton, V. A. Norton, G. F. Pfister, and K. So	Mechanism for Improving the Randomization of Cache Accesses Utilizing Abit-Matrix Multiplication Permutation of Cache Addresses
5,133,066	J. J. Hansen, D. A. Peterson, E. P. Simon, and D. G. Wenz	Method for Selecting Multiple Versions of Data in a Reduced Record Units Text Editing System
5,133,068	R. A. Crus, M. J. Dockter, R. W. Engles, and D. J. Haderle	Compiled Objective Referential Constraints in a Relational Database Having Dual Chain Relationship Descriptors Linked in Data Record Tables
5,133,070	B. A. Barker, T. R. Edel, and J. A. Stark	Method of Nesting and Processing Mixed Data Objects within a Data Stream Utilizing Selective Environment Inheritance
5,133,077	R. K. Karne and S. S. Vedula	Data Processor Having Multiple Execution Units for Processing Plural Class of Instructions in Parallel
5,133,078	V. A. Minassian, G. H. Miracle, R. A. Neuner, and P. L. Potvin	Serial Frame Processing System in Which Validation and Transfer of a Frame's Data from Input Buffer to Output Buffer Proceed Concurrently
5,133,136	J. Sykora	Method of and Apparatus for Drying Articles
5,133,495	C. G. Angulas, P. T. Flynn, T. E. Kindl, and R. L. Orr	Method of Bonding Flexible Circuit to Circuitized Substrate to Provide Electrical Connection Therebetween
5,133,602	J. S. Batchelder, D. M. DeCain, P. C. D. Hobbs, and M. Taubenblatt	Particle Path Determination System
5,133,636	R. E. Hunt and V. E. Whitehead	System for Chip Orientation
5,133,840	L. P. Buchwalter, S. L. Buchwalter, T. R. O'Toole, R. R. Thomas, and A. Viehbeck	Surface Modification of a Polyimide
5,133,986	J. M. Blum, B. Bumble, K. K. Chan, J. R. Conde, J. J. Cuomo, and W. F. Kane	Plasma Enhanced Chemical Vapor Processing System Using Hollow Cathode Effect
5,134,038	R. J. Baseman, C. V. Jahnes, I. Y. Khandros, S. M. T. Mirzamaani, and M. A. Russak	Thin Film Magnetic Recording Medium with Controlled Grain Morphology and Topology
5,134,276	P. C. D. Hobbs	Noise Cancelling Circuitry for Optical Systems with Signal Dividing and Combining Means
5,134,311	A. I. Biber and D. W. Stout	Self-Adjusting Impedance Matching Driver
5,134,389	M. Furuta and M. Furuya	Display Terminal Device
5,134,460	M. J. Brady, S. K. Kang, P. A. Moskowitz, J. G. Ryan, T. C. Reiley, E. G. Walton, H. R. Bickford, and M. J. Palmer	Aluminum Bump, Reworkable Bump, and Titanium Nitride Structure for Tab Bonding
5,134,523	J. M. Cobb	Zoom Beam Expander
5,134,560	K. M. Ferriter, S. P. Krosner, J. F. Laszcz, and D. H. Withers	Method and System for Generation of Manufacturing Process Plans
5,134,561	J. S. Liptay	Computer System with Logic for Writing Instruction Identifying Data into Array Control Lists for Precise Post-Branch Recoveries
5,134,563	G. E. Tayler and R. E. Wagner	Sequentially Processing Data in a Cached Data Storage System
5,134,580	R. L. Bertram, D. T. Crump, J. V. Ford, G. E. Welman, and J. P. Wright	Computer with Capability to Automatically Initialize in a First Operating System of Choice and Reinitialize in a Second Operating System without Computer Shutdown
5,134,601	D. W. Greenwell and M. K. Haynes	Optical Disk Sector Servo Patterns
5,134,602	F. A. Baca, A. A. Fennema, R. A. Hancock, G. A. Jaquette, L. D. Tipton, and D. J. Winarski	Calibrating Optical Disk Recorders to Some Parameters during Disk Spin Up While Deferring Calibration of Other Parameters
5,134,616	J. E. Barth, Jr., C. E. Drake, J. A. Fifield, W. P. Hovis, H. L. Kalter, S. C. Lewis, D. J. Nickel, C. H. Stapper, and J. A. Yankosky	Dynamic RAM with On-Chip ECC and Optimized Bit and Word Redundancy
5,134,636	G. Barucchi, J. Calvignac, J. Galcera, G. Toubol, A. Tracol, and D. Orsatti	Synchronization Circuit for a Synchronous Switching System
5,134,668	A. Appel	Masked Combinations of Video Slices for Computer Display

5,134,696	D. D. Brown, W. J. Morschhauser, R. F. Reinheimer, and M. D. Swanson	Virtual Lookaside Facility
5,134,963	S. G. Barbee, J. D. Chapple-Sokol, R. A. Conti, and D. E. Kotecki	LPCVD Reactor for High Efficiency, High Uniformity Deposition
5,135,148	J. T. Wilson III	Forms Feed Tractor for a Printer
5,135,155	S. K. Kang, M. J. Palmer, T. C. Reiley, and R. D. Topa	Thermocompression Bonding in Integrated Circuit Packaging
5,135,317	P. J. Greenwood, S. J. Kish, J. J. Lambright, and A. Luneau	Stationary Printhead with Moving Platen
5,135,595	J. Acocella, P. A. Agostino, A. I. Baise, R. A. Bates, R. M. Bryant, J. A. Casey, D. R. Clarke, G. Czornyj, A. J. Dam, L. D. David, R. S. Divakaruni, W. E. Dunkel, A. P. Giri, L.-C. Hsia, J. N. Humenik, S. M. Kandetzke, D. P. Kirby, J. U. Knickerbocker, S. H. Knickerbocker, A. Mastreani, A. T. Matts, R. W. Nufer, C. H. Perry, S. S. N. Reddy, S. J. Scilla, M. A. Takacs, and L. B. Wiggins	Process for Fabricating a Low Dielectric Composite Substrate
5,135,779	A. Viehbeck, S. L. Buchwalter, M. J. Goldberg, C. A. Kovac, and S. L. Tisdale	Method for Conditioning an Organic Polymeric Material
5,135,887	S. L. Delage, B. A. Ek, and S. S. Iyer	Boron Source for Silicon Molecular Beam Epitaxy
5,136,011	G. G. Barclay, C. K. Ober, K. I. Papathomas, and D. W. Wang	Triazine Networks with Homogeneous and Oriented Structures and Method for Making Same
5,136,124	J. E. Cronin, C. W. Kaanta, and M. A. Leach	Method of Forming Conductors within an Insulating Substrate
5,136,125	G. F. Russell	Sensor Grid for an Electromagnetic Digitizer Tablet
5,136,167	G. O. Langner and P. F. Petric	Electron Beam Lens and Deflection System for Plural-Level Telecentric Deflection
5,136,187	J. C. Ceccherelli and S. R. Scandalis	Temperature Compensated Communications Bus Terminator
5,136,410	G. M. Heiling, D. A. Knodel, M. J. Peterson, B. A. Schuelke, D. W. Siljenberg, R. L. Soderstrom, and J. T. Trnka	Optical Fiber Link Control Safety System
5,136,465	J. W. Benck, M. S. Mansuria, M. S. Miller, R. D. Musa, and B. A. Trumbo	Personal Computer with Tandem Air Flow Dual Fans and Baffle Directed Air Cooling
5,136,569	A. A. Fennema, B. I. Finkelstein, M. Tayefeh, and R. Yardy	Optical Disk Recorder for Diverse Media Types and Having a Predetermined Initialization or Start-Up Procedure
5,136,660	M. D. Flickner, E. B. Hinkle, and J. L. C. Sanz	Apparatus and Method for Computing the Radon Transform of Digital Images
5,136,692	G. G. Barrett, S. Z. Pasha, and A. A. Shaheen-Gouda	Memory Disk Buffer Manager
5,136,710	M. E. Arnold, G. P. Bate, A. F. Brodnick, J. M. Salzman, and T. L. Spickler	Dynamic Inactivation of Program Exits of the Application Program While the System Program is Running
5,136,713	R. Bealkowski, J. W. Blackledge, D. S. Cronk, R. A. Dayan, S. G. Kinnear, G. D. Kovach, M. S. Palka, Jr., R. Sachsenmaier, and K. M. Zyvoloski	Apparatus and Method for Decreasing the Memory Requirements for BIOS in a Personal Computer System
5,136,714	G. W. Braudaway and B. J. Nathanson	Method and Apparatus for Implementing Inter-Processor Interrupts Using Shared Memory Storage in a Multi-Processor Computer System
5,137,456	K. V. Desai, T. G. Macek, M. S. Patel, and E. L. Thomas	High Density, Separable Connector and Contact for Use Therein
5,137,461	P. S. Bindra, J. J. Cuomo, T. P. Gall, A. P. Ingraham, S. K. Kang, J. Kim, P. Lauro, D. N. Light, V. R. Markovich, E. F. Miersch, J. A. Molla, D. O. Powell, J. J. Ritsko, G. J. Saxenmeyer, Jr., J. A. Varcoe, and G. F. Walker	Separable Electrical Connection Technology
5,137,469	R. G. Carpenter, G. J. Hladik, L. G. Mosher, and J. T. Zahorsky	Hybrid Connector for Standard Coaxial Cable and Other Wiring Systems
5,137,840	B. H. Desilets, C.-M. Hsieh, and L. L. Hsu	Vertical Bipolar Transistor with Recessed Epitaxially Grown Intrinsic Base Region
5,137,845	H. Lochon and G. Robert	Method of Forming Metal Contact Pads and Terminals on Semiconductor Chips
5,138,118	G. F. Russell	Pulsed Pen for Use with a Digitizer Tablet
5,138,256	R. J. Murphy, J. D. Schick, and H. R. Wilson	Method and Apparatus for Determining the Thickness of an Interfacial Polysilicon/Silicon Oxide Film

5,138,282	J. A. Bailey and G. F. Gooding	Plural Phase-Lock Loops Sharing a Common Frequency Control
5,138,321	J. B. Hammer	Method for Distributed Data Association and Multi-Target Tracking
5,138,430	J. Gow III and R. W. Noth	High Performance Versatile Thermally Enhanced IC Chip Mounting
5,138,506	J. L. Beck, T. P. Fracek, N. F. Misso, and D. C. Stucky	Disk Drive Lubricant Reservoir
5,138,523	J. W. Benck, M. S. Mansuria, and R. D. Wysong	Digitizer Tablet Having Cooling Apparatus with Base and Integrated Heat Sink
5,138,594	A. A. Fennema and B. C. Fiorino	Reducing Amplitude Variations of Optical Disk Readback Signals and Increasing Reliability of Track-Crossing Counts
5,138,698	G. R. Aldrich, D. B. Millis, and R. P. Nowak	Method for Producing Building Instructions for Three Dimensional Assemblies
5,138,699	B. L. Minor and J. A. Wilkinson	Hardware Utilization of Color Interpolation Capability in a Color Imaging System
5,138,705	T.-C. Lo and A. Weinberger	Chip Organization for an Extendable Memory Structure Providing Busless Internal Page Transfers
5,138,707	W. Haller, J. Hajdu, and K. J. Getzlaff	Method of Operating a Timer in a Digital Data Processing System
5,138,713	G. P. Loten	Multiprocessing Computer System with Exit Logic and Method for Maintaining Resource Integrity
5,139,851	J. Acocella, A. I. Baise, R. A. Bates, J. A. Casey, D. R. Clarke, R. S. Divakaruni, J. N. Humenik, S. M. Kandetzke, D. P. Kirby, J. U. Knickerbocker, S. H. Knickerbocker, A. T. Matts, R. W. Nufer, S. S. N. Reddy, M. A. Takacs, and L. B. Wiggins	Low Dielectric Composite Substrate
5,139,852	A. I. Baise, R. M. Bryant, J. A. Casey, A. J. Dam, W. E. Dunkel, J. N. Humenik, A. Mastreani, R. W. Nufer, C. H. Perry, and S. J. Scilla	Low Dielectric Composite Substrate
5,139,975	L. W. Herron, S. H. Knickerbocker, A. H. Kumar, G. Natarajan, and S. S. N. Reddy	Sintering Arrangement for Enhancing Removal of Carbon from Ceramic Substrate Laminates
5,140,242	S. K. Doran and R. A. Kendall	Servo Guided Stage System
5,140,298	J. C. Gordon, E. P. Lovgren, H. P. Meyer, and D. P. Rearick	Ceramic Base Component Packaging Assembly
5,140,521	M. J. Kozol, C. S. Lim, and R. Perry, Jr.	Method for Deleting a Marked Portion of a Structured Document
5,140,545	S. Vassiliadis and J. A. Boston	High Performance Divider with a Sequence of Convergence Factors
5,140,587	J. R. Mueller and W. C. Moehlen	Broadband Ring Communication System and Access Control Method
5,140,650	R. G. Casey and D. R. Ferguson	Computer-Implemented Method for Automatic Extraction of Data from Printed Forms
5,140,671	R. R. Hayes and L. Hsieh	Expert System Debugger
5,140,677	S. S. Fleming, R. J. Torres, P. J. Keane, and A. C. C. Temple	Computer User Interface with Window Title Bar Mini-Icons
5,140,678	R. J. Torres	Computer User Interface with Window Title Bar Icons
5,140,683	F. D. Gallo, L. A. Mains, and D. P. Warren, Jr.	Method for Dispatching Work Requests in a Data Storage Hierarchy
5,140,691	P. Austruy, J. M. Munier, and M. Poret	Adapter-Bus Switch for Improving the Availability of a Control Unit
5,140,879	J. Haj-Ali-Ahmadi, J. A. Frankeny, and K. Hermann	Variable Array Punch
5,141,459	S. M. Zimmerman	Structures and Processes for Fabricating Field Emission Cathodes
5,141,602	C. J. Chen, R. I. Kaufman, and J. P. Partridge	High-Productivity Method and Apparatus for Making Customized Interconnections
5,141,817	E. D. Babich, M. Hatzakis, R. P. McGouey, S. L. Nunes, J. R. Paraszczak, and J. M. Shaw	Dielectric Structures Having Embedded Gap Filling Rie Etch Stop Polymeric Materials of High Thermal Stability
5,142,165	D. J. Allard and S. R. Riggio, Jr.	Power Off/On Delay Circuit to Prevent Lockout
5,142,167	J. L. Temple, R. F. Rizzolo, and C. B. Winn	Encoding for Simultaneous Switching Output Noise Reduction
5,142,283	D. S. Chevion, E. D. Karnin, and E. Walach	Arithmetic Compression Coding Using Interpolation for Ambiguous Symbols
5,142,337	J. P. Karidis, T. C. Reiley, and L. B. Schein	Printing Grey Scale Images
5,142,392	T. Ueki, Y. Oana, and H. Tomii	Color Liquid Crystal Display Device Having Light Shielding Layers and Method of Manufacturing
5,142,426	M. E. Re, M. A. Russak, and B. C. Webb	Thin Film Magnetic Head Having Interspersed Resistance Layers to Provide a Desired Cut-Off Frequency
5,142,447	K. K. Cooke, J. R. Dewitt, and P. A. Kerezman	Grounding Apparatus for Rail-Mounted Devices Employed in a Computer

5,142,516	A. A. Fennema	Anti-Skating Control of a Positioning Servo System
5,142,530	J. E. Geyer, J. K. Lee, V. R. Norman, and K. T. Wilson	Multi-Frame Stripping Protocol for Token Ring Networks
5,142,578	S. M. Matyas, D. B. Johnson, A. V. Le, R. Prymak, J. D. Wilkins, W. C. Martin, and W. S. Rohland	Hybrid Public Key Algorithm/Data Encryption Algorithm Key Distribution Method Based on Control Vectors
5,142,583	C. Galand and J. Menez	Low-Delay Low-Bit-Rate Speech Coder
5,142,619	J. W. Webster III	Method and Apparatus for Visually Comparing Files in a Data Processing System
5,142,622	G. L. Owens	System for Interconnecting Applications Across Different Networks of Data Processing Systems by Mapping Protocols Across Different Network Domains
5,142,626	A. F. Arnold, A. R. Wheeler, and J. Tai	Personal Computer with Removable Media Identification
5,142,663	F. L. Janis, M. L. Williams, and D. S. Wang	Method for Memory Management within a Document History Log in a Data Processing System
5,142,665	J. P. Bigus	Neural Network Shell for Application Programs
5,142,670	H. S. Stone and J. L. Wolf	Method and Apparatus for Calculating Disk-Access Footprints for Use in Selecting a Storage Management Method
5,142,674	B. A. Barker, T. R. Edel, and J. A. Stark	Interchange Object Data Base Index Which Eliminates the Need for Private Copies of Interchange Documents Files by a Plurality of Application Programs
5,142,678	M. G. MacPhail	Method for a Requesting User to Use a Marker to Associate a Document with an End User Action
5,142,681	G. C. Driscoll and D. L. Orth	APL-to-FORTRAN Translators
5,142,768	J. A. Aboaf, E. V. Denison, V. N. Kahwaty, and G. Steving	Method for Making Magnetic Head with Enhanced Poletip
5,142,775	J. P. Wiley	Bondable Via
5,143,103	J. E. Basso, P. K. Bhalla, J. J. Chahine, D. Diddell, G. J. Earle, E. P. Gabriel, and F. Yaghmaie	Apparatus for Cleaning and Drying Workpieces
5,143,756	M. J. Cibulsky, K. Papathomas, and G. P. Schmitt	Fiber Reinforced Epoxy Prepreg and Fabrication Thereof
5,143,820	H. N. Kotecha, H. A. Protschka, D. Stanasolovich, and J. Theisen	Method for Fabricating High Circuit Density, Self-Aligned Metal Linens to Contact Windows
5,143,867	F. M. d'Heurle and J. M. E. Harper	Method for Depositing Interconnection Metallurgy Using Low Temperature Alloy Processes
5,144,148	D. M. Eigler	Process for Repositioning Atoms on a Surface Using a Scanning Tunneling Microscope
5,144,165	S. H. Dhong, W. Hwang, and H. J. Shin	CMOS Off-Chip Driver Circuits
5,144,228	M. A. Sorna and D. J. Papae	Probe Interface Assembly
5,144,293	G. L. Rouse	Serial Link Communication System with Cascaded Switches
5,144,411	C. W. Kaanta and S. Roberts	Method and Structure for Providing Improved Insulation in VLSI and ULSI Circuits
5,144,557	D. S. Wang and M. L. Williams	Method and System for Document Distribution by Reference to a First Group and Particular Document to a Second Group of User in a Data Processing System
5,144,611	E. M. Engler, T. S. Gardner, D. P. McReynolds, and S. M. Ward	Optical Disk Drive Cleaner Cartridge
5,144,634	M. Gasser and E. E. Latta	Method for Mirror Passivation of Semiconductor Laser Diodes
5,144,692	E. D. Baker, J. M. Dinwiddie, Jr., L. E. Grice, J. M. Loffredo, K. R. Sanderson, and G. A. Suarez	System for Controlling Access by First System to Portion of Main Memory Dedicated Exclusively to Second System to Facilitate Input/Output Processing via First System
5,144,833	N. M. Amer and G. Meyer	Atomic Force Microscopy
5,145,104	J. A. Apap, M. A. Brown, A. J. Emerick, T. L. Miller, J. R. Murray, and D. W. Sissenstein, Jr.	Substrate Soldering in a Reducing Atmosphere
5,145,493	H. K. Nguyen and J. M. Draina	Molecular Restrictor
5,145,547	C. J. Chen	Apparatus for Self-Induced Repair of Circuit Short and Near-Shorts
5,145,551	M. A. Booke, M. H. W. Kallmeyer, N. A. Rizk, and Y.-W. Yau	High Accuracy, High Flexibility Energy Beam Machining System
5,145,553	S. M. Albrechta, R. J. Clementi, and T. E. Kindl	Method of Making a Flexible Circuit Member
5,146,111	M. K. Ciraula, C. M. Durham, and D. L. Jallice	Glitch-Proof Powered-Down on Chip Receiver with Non-Overlapping Outputs
5,146,122	A. R. Hearn and R. D. Commander	Voice Coil Actuator with Resiliently Mounted Shorted Turn
5,146,406	K. Jensen	Computer Method for Identifying Predicate-Argument Structures in Natural Language Text
5,146,411	B. G. Faber and L. A. Jansen	Computer-Aided Process for Placement of CRT Trim Magnets
5,146,420	S. Vassiliadis and G. G. Pechanek	Communicating Adder Tree System for Neural Array Processor