

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.

France

365,730	D. Omet and S. LeForestier	High Gain, High Speed BiCMOS Sensing for SRAM
365,731	B. Naudin, J. Calvignac, J. M. Millet, J. M. Munier, and J. P. Lips	Mechanism for Transferring Messages Between Source and Destination Users Through a Shared Memory
392,126	C. Galand and M. Rosso	Fast Pitch Tracking Process for LTP-Based Speech Coders
394,599	P. Huon and R. Glaise	Circuit for Synchronizing Data Transfers Between Two Devices Operating at Different Speeds

Germany

4,244,275.3	G. Gervais, G. Zilles, H. Kohler, I. Holm, N. Schumacher, and T. G. Koehler	Data Integrity Check in Buffered Data Transmission
68,916,784.9	E. Klink, H. Schettler, K. Kroell, O. Wagner, R. Stahl, T. Ludwig, and W. Haug	Integrated Circuit Package

Switzerland

363,550	C. W. Schneiker and D. W. Pohl	Distance-Controlled Tunneling Transducer and Direct Access Storage Unit Employing the Transducer
442,536	D. Pohl, G. K. Binnig, H. Rohrer, J. K. Gimzewski, and U. T. Duerig	Atomic Force Sensor Head for Measuring the Properties of a Data Store

United Kingdom

329,892	R. T. Wood	Display System Comprising a Windowing Mechanism
462,333	C. C. Pietrzak and J. S. Beeteson	Display System
2,037,957	M. D. Oates	Workstation
2,248,145	A. N. Other, D. Sawdon, and D. J. Whittle	A Contact Device for Connecting Coax Cable to a Non-Coaxial Connector

United States

5,280,452	S. H. Dhong and L. M. Terman	Power Saving Sensing Circuits for Dynamic Random Access Memory
5,280,480	D. A. Pitt and K. A. Preiss	Source Routing Transparent Bridge
5,280,485	M. M. Blaum and J. Bruck	Coding Method for Skewed Transition Detection in Parallel Asynchronous Communication System
5,280,489	L. J. Fredrickson, R. Karabed, J. W. Rae, P. H. Siegel, H. K. Thapar, and R. W. Wood	Time-Varying Viterbi Detector for Control of Error Event Length

5,280,533	M. M. Blaum and J. Bruck	Coding Method for Skewed Transition Correction in Parallel Asynchronous Communication Systems
5,280,535	F. Gfeller, H. Jaeckel, and H. Meier	Semiconductor Laser Diode Deposited on a Structured Substrate Surface
5,280,562	L. R. Bahl, J. R. Bellegarda, E. A. Epstein, J. M. Lucassen, D. Nahamoo, and M. A. Picheny	Speech Coding Apparatus with Single-Dimension Acoustic Prototypes for a Speech Recognizer
5,280,580	W. B. Brooks, M. A. Hoffstatter, R. S. Manka, and R. I. Miller	System Service Request Processing in Multiprocessor Environment
5,280,588	J. J. D'Ambrose, W. K. Shetterly, S. Thompson, and M. R. Turner	Multiple Input/Output Devices Having Shared Address Space
5,280,591	A. Garcia, C. S. McDowell, and W. Sieh	Centralized Backplane Bus Arbiter for Multiprocessor Systems
5,280,593	R. J. Bullions III, R. F. Hill, S. J. Nadas, and R. J. Pedersen	Computer System Permitting Switching Between Architected and Interpretation Instructions in a Pipeline by Enabling Pipeline Drain
5,280,607	J. Bruck, R. E. Cypher, and C.-T. Ho	Method and Apparatus for Tolerating Faults in Mesh Architectures
5,280,609	M. G. MacPhail	Methods of Selecting Document Objects for Documents Stored in a Folder Format within an Electronic Information Processing System
5,280,611	C. Mohan, I. S. Narang, and J. Z. Teng	Method for Managing Database Recovery from Failure of a Shared Store in a System Including a Plurality of Transaction-Based Systems of the Write-Ahead Logging Type
5,280,612	R. A. Lorie, C. Mohan, and M. H. Pirahesh	Multiple Version Database Concurrency Control System
5,280,614	S. J. Munroe, J. G. Ranweiler, and G. D. Timms, Jr.	Apparatus and Method for Controlling Access to Data Using Domains
5,280,616	N. D. Butler, M. D. Buttimer, B. C. Homewood, S. P. Larky, R. M. West, and P. G. Sidoli	Logic Circuit for Task Processing
5,281,025	M. F. Cali and P. A. Chalco	Temperature Sensing Device for Dynamically Measuring Temperature Fluctuation in a Tip of a Bonding Device
5,281,150	E. G. Bundga, M. D. Dinardo, J. A. Knight, and L. J. Konrad III	Method and Apparatus for Connecting Cable to the Surface of Printed Circuit Boards or the Like
5,281,447	M. J. Brady, S. L. Buchwalter, R. J. Gambino, M. J. Goldberg, K. L. Lee, and A. Viehbeck	Patterned Deposition of Metals Via Photochemical Decomposition of Metal-Oxalate Complexes
5,281,485	E. G. Colgan and P. M. Fryer	Structure and Method of Making Alpha-Ta in Thin Films
5,281,543	T. Fukuzawa and H. Munekata	Fabrication Method for Quantum Devices in Compound Semiconductor Layers
5,281,723	N. R. Bantu, A. C. Bhatt, R. W. Keesler, K. Papathomas, T. D. Sinclair, and J. J. Wagner	Propylene Carbonate Recovery Process
5,281,754	P. W. Farrett and D. J. Moore	Melody Composer and Arranger
5,281,931	J. A. Bailey and P. H. Francois	On-Chip Self-Tuning Filter System
5,282,063	J. J. Deacon and A. D. Edgar	Method and Apparatus for Automatic Brightness and Contrast Control in an Image Capture System
5,282,105	J. H. Eaton, J. K. Spong, and J. L. Teale	Compound Radius Guide Post
5,282,147	J. W. Goetz and D. J. Hathaway	Method and Apparatus for Optimizing a Logic Network
5,282,197	S. S. Kreitzer	Low Frequency Audio Sub-channel Embedded Signalling
5,282,199	L. P. Herzberg, B. V. Patel, A. Ruiz, F. A. Schaffa, and M. H. Willebeck-LeMair	Method and Apparatus for Interoperation of FDDI-I and FDDI-II Networks
5,282,210	T. J. Slegel, C. A. Reed, K. D. Lamb, and D. H. Friedberg	Time-Division-Multiplexed Data Transmission System
5,282,216	A. M. Patel, R. A. Rutledge, and B. S. So	High Data Rate Decoding Method for Coding Signal Processing Channels
5,282,274	L. Liu	Translation of Multiple Virtual Pages Upon a TLB Miss
5,282,308	M.-M. Chen, K. Ju, R. E. Lee, and C. Tsang	Thin Film Planarization Process for Fabricating Magnetic Heads Employing a Stitched Pole Structure
5,282,924	T. Bayer and J. Greschner	Micromechanical Sensor Fabrication Process
5,282,925	S.-J. Jeng, W. C. Natzle, and C. Yu	Device and Method for Accurate Etching and Removal of Thin Film Via Paste Compositions and Use Thereof to Form Conductive Vias in Circuitized Ceramic Substrates
5,283,104	F. Y. Aoude, E. I. Cooper, P. R. Duncombe, S. Farooq, E. A. Giess, Y.-H. Kim, S. H. Knickerbocker, F. Muller-Landau, M. O. Neisser, J. M. Park, R. R. Shaw, R. A. Rita, T. M. Shaw, R. Vallabhaneni, J. A. Van Hise, G. F. Walker, J. Kim, and J. M. Brownlow	
5,283,107	T. Bayer, J. Greschner, W. Hildenbrand, B. Marquart, R. R. Stöhr, and O. Wolter	Modular Multilayer Interwiring Structure

5,283,208	M. J. Lorsung and C. J. Mathison	Method of Making a Submicrometer Local Structure Using an Organic Mandrel
5,283,396	M. D. Donner and E. Feig	Calibration of a Rotationally Scanning Position-Tracking Device
5,283,437	J. Greschner, M. Nonnenmacher, and O. Wolter	Pneumatically and Electrostatically Driven Scanning Tunneling Microscope
5,283,442	Y. Martin, J. Poler, and H. K. Wickramasinghe	Surface Profiling Using Scanning Force Microscopy
5,283,453	T. Rajeevakumar	Trench Sidewall Structure
5,283,456	C.-M. Hsieh, L. L. C. Hsu, and S. Ogura	Vertical Gate Transistor with Low Temperature Epitaxial Channel
5,283,559	P. W. Kalendra and W. J. Piazza	Automatic Calibration of a Capacitive Touch Screen Used with a Fixed Element Flat Screen Display Panel
5,283,561	L. Lumelsky, D. H. McCabe, and A. W. Peevers	Color Television Window for a Video Display Unit
5,283,704	J. R. Reidenbach	Rotary Actuator for Disk Drive Assemblies
5,283,755	R. A. Bechade	Multiplier Employing Carry Select or Carry Look-Ahead Adders in Hierarchical Tree Configuration
5,283,859	P. Quarendon and S. J. P. Todd	Method of and System for Generating Images of Object Transforms
5,283,860	M. A. Einkauf, J. R. Rossignac, M. T. Vanover, and J. Wu	System and Method for Displaying Trimmed Surfaces Using Bitplane Masking
5,283,861	M. K. Dangler and S. L. Wentz	Remote Control of a Local Processor Console
5,283,868	E. D. Baker, J. M. Dinwiddie, Jr., L. E. Grice, J. M. Joyce, J. M. Loffredo, and K. R. Sanderson	Providing Additional System Characteristics to a Data Processing System Through Operations of an Application Program, Transparently to the Operating System
5,283,884	J. M. Menon, J. E. Lindley, and R. W. Shomler	CKD Channel with Predictive Track Table
5,283,888	V. D. Dao and J. A. Kusnitz	Voice Processing Interface Unit Employing Virtual Screen Communications for Accessing a Plurality of Primed Applications
5,283,897	L. Georgiadis, C. N. Nikolaou, and G. W. Wang	Semi-Dynamic Load Balancer for Periodically Reassigning New Transactions of a Transaction Type from an Overload Processor to an Under-utilized Processor Based on the Predicted Load Thereof
5,283,899	J. A. Cook, G. A. Flurry, and L. W. Henson	First-In/First-Out Buffer Queue Management for Multiple Processes
5,283,942	M.-M. Chen, J.-S. J. Lo, and P.-K. Wang	Sacrificial Layer Planarization Process for Fabricating a Narrow Thin Film Inductive Head
5,284,286	P. J. Brofman, S. Farooq, K. A. Lidestri, G. B. Monjeau, and K. J. Puttlitz	Porous Metal Block for Removing Solder or Braze from a Substate and a Process for Making the Same
5,284,308	W. T. Comeaux, D. G. East, S. L. Felde, and D. W. Johnson	Tape Path Having Implicit Squeeze Bearing
5,284,549	M. S. Barnes, M. M. Chow, J. C. Forster, M. A. Fury, C.-C. Kin, H. C. Jones, J. H. Keller, and J. A. O'Neill	Selective Fluorocarbon-Based RIE Process Utilizing a Nitrogen Additive
5,284,554	M. Datta and L. T. Romankiw	Electrochemical Micromachining Tool and Process for Through-Mask Patterning of Thin Metallic Films Supported by Non-conducting or Poorly Conducting Surfaces
5,284,792	T. Forster, C. Harder, A. Oosenbrug, and G. W. Rubloff	Full-Wafer Processing of Laser Diodes with Cleaved Facets
5,285,018	W. E. Pence IV	Power and Signal Distribution in Electronic Packaging
5,285,074	D. F. Haire, C. T. Ho, G. O. Langner, W. Stickel, and E. V. Weber	Dynamic Compensation of Non-linear Electron Beam Landing Angle in Variable Axis Lenses
5,285,099	R. A. Carruthers, F. J. Dorleans, J. A. Fitzsimmons, R. Flitsch, J. A. Jubinsky, G. R. Larsen, G. C. Schwartz, P. J. Tsang, and R. W. Zielinski	SiCr Microfuses
5,285,118	F. A. Montegari	Complementary Current Tree Decoder
5,285,143	A. A. Bahr and T. R. Larson	Measurement of Load Current in a Multi-phase Power Amplifier
5,285,296	H. Komooka, T. Matsuyama, and M. Mizuno	Conversion of Color Display Data to Color Print Data
5,285,327	S. R. Hetzler	Apparatus for Controlling Reading and Writing in a Disk Drive
5,285,337	G. L. Best, M. M. Dovek, J. S. Foster, L. P. Franco, and A. M. Homola	Liquid-Bearing Data Recording Disk File with Transducer Carrier Having Support Struts
5,285,339	M.-M. Chen, K. Ju, M. T. Krounbi, C. H. Tsang, and P.-K. Wang	Magnetoresistive Read Transducer Having Improved Bias Profile
5,285,340	K. Ju and M. T. Krounbi	Thin Film Magnetic Head with Conformable Pole Tips
5,285,453	A. J. Gruodis	Test Pattern Generator for Testing Embedded Arrays
5,285,454	M. M. Blaum and J. Bruck	Method and Apparatus for Encoding and Decoding Unordered Error Correcting Codes

5,285,456	D. P. Cheney, R. C. Lang, A. E. Petruski, M. J. Wolski, and R. J. Yagley	System and Method for Improving the Integrity of Control Information
5,285,505	J. Kim, G. J. Leibman, and C. C. Tappert	Method and Apparatus for Improving Prototypes of Similar Characters in On-line Handwriting Recognition
5,285,526	C. J. Bennett III, D. A. Foulger, E. M. Hesse, and D. W. Walsh	Method of Manipulating Elements of a Structured Document, Function Key Operation Being Dependent Upon Current and Preceding Image Element Types
5,285,528	C. A. Hart	Data Structures and Algorithms for Managing Lock States of Addressable Element Ranges
5,286,331	L. Chen, S.-J. Jeng, W. C. Natzle, and C. Yu	Supersonic Molecular Beam Etching of Surfaces
5,286,334	S. Akbar, J. O. Chu, B. Cunningham, G. Fitzgibbon, and S. Ratanaphanyarat	Nonselective Germanium Deposition by UHV/CVD
5,286,417	I. S. Mahmoud and J. P. Partridge	Method and Composition for Making Mechanical and Electrical Contact
5,286,572	D. J. Clodgo, R. A. Previti-Kelly, R. R. Uttecht, and E. G. Walton	Planarizing Ladder-Type Silsequioxane Polymer Insulation Layer
5,286,599	E. D. Babich, E. A. Galligan, J. D. Gelorme, R. P. McGouey, S. L. Nunes, J. R. Paraszczak, R. J. Serino, and D. F. Witman	Base Developable Negative Photoresist Composition and Use Thereof
5,287,001	P. Buchmann, P. Unger, P. Vettiger, and O. Voegeli	Cooling Structures and Package Modules for Semiconductors
5,287,046	G. D. Carpenter, R. E. Jansen, E. F. Plutowski, and J. J. Stephenson	Method and System for Actuator Control for Direct Access Storage Devices
5,287,102	F. A. McKiel, Jr.	Method and System for Enabling a Blind Computer User to Locate Icons in a Graphical User Interface
5,287,235	E. A. Cunningham and R. F. Harwood	Slider Air Bearing Surface with Angled Rail Configuration
5,287,238	P. M. Baumgart, B. Dieny, B. A. Gurney, J.-P. Nozieres, V. S. Speriosu, and D. R. Wilhoit	Dual Spin Valve Magnetoresistive Sensor
5,287,245	S. A. M. Lucente, R. F. Sapper, A. Naitoh, S. Horikoshi, M. Kurihara, and K. Yoshihara	Computer Having Ejectable Keyboard Ejected by Damping Device
5,287,267	R. Jayaraman, R. Roundy, and R. Srinivasan	Methods for Parts Procurement Quantity Determination Where Demand is Uncertain for the Product in Which the Parts are Used
5,287,271	W. S. Rosenbaum	Data Processing System for Optimized Mail Piece Sorting and Mapping to Carrier Walk Sequence Using Real Time Statistical Data
5,287,340	D. B. Chapman, M. O. Jenkins, S. A. Jove, and J. C. L. van Peppen	Differential Amplifier for Optical Detectors in an Optical Data Storage System
5,287,377	T. Fukuzawa, L. Y. Liu, and E. E. Mendez	Coupled Quantum Well Tunable Laser
5,287,407	K. Holmes	Computer Software Protection
5,287,415	T. E. Chefalas and C. C. Tappert	Elastic Prototype Averaging in Online Handwriting Recognition
5,287,444	M. A. Enescu, J. Lum, R. L. Obermarck, and K. A. Shoens	Message Processing System
5,287,447	P. R. Miller, W. A. Miller, and J. K. Rayborn	Method and System for Providing Container Object Attributes to a Non-container Object
5,287,456	M. C. Rhodes and J. S. Wang	Communication System for Facilitating in Full Duplex Communication Mode and Without Previously Defining Sessions Between Sender and Receiver Programs
5,287,457	R. K. Arimilli, S. Dhawan, J. O. Nicholson, and D. W. Siegel	Computer System DMA Transfer
5,287,459	J. J. Gniewek	Method and Apparatus for Reducing Response Time in Automated Library Data Retrieval Systems
5,287,467	B. Blaner, T. L. Jeremiah, S. Vassiliadis, and P. G. Williams	Pipeline for Removing and Concurrently Executing Two or More Branch Instructions in Synchronization with Other Instructions Executing in the Execution Unit
5,287,473	C. Mohan and I. S. Narang	Non-blocking Serialization for Removing Data from a Shared Cache
5,287,476	D. S. Keener and G. J. Moore	Personal Computer System with Storage Controller Controlling Data Transfer
5,287,482	R. K. Arimilli, S. Dhawan, J. O. Nicholson, and D. W. Siegel	Input/Output Cache
5,287,491	Y. Hsu	Network Rearrangement Method and System
5,287,493	T. W. Jacopi	Database Interactive Prompted Query System Having Named Database Tables Linked Together by a User Through Join Statements
5,287,494	L. C. Garcia, D. B. Lindquist, and G. F. Rollo	Sorting/Merging Tree for Determining a Next Tournament Champion in Each Cycle by Simultaneously Comparing Records in a Path of the Previous Tournament Champion

5,287,496	M.-S. Chen, K.-L. Wu, and P. S. Yu	Dynamic, Finite Versioning for Concurrent Transaction and Query Processing
5,287,505	N. Calvert, J. J. Eakins, E. W. Emerick, D. L. Johnston, J. L. Koehler, G. P. Miller, J. R. Morcomb, B. T. Sinclair, G. B. Scarborough, and S. D. Westling	On-line Problem Management of Remote Data Processing Systems, Using Local Problem Determination Procedures and a Centralized Database
5,287,510	C. B. Hall, P. W. Markstein, and J. K. O'Brien	Method for Improving the Efficiency of Arithmetic Code Generation in an Optimizing Compiler Using Machine Independent Update Instruction Generation
5,287,519	R. A. Dayan, K. D. Le, M. T. Mittelstedt, P. E. Newman, D. L. Randall, L. A. Ruotolo, and J. B. Yoder	LAN Station Personal Computer System with Controlled Data Access for Normal and Unauthorized Users and Method
5,287,527	G. S. Delp and B. A. Schuelke	Logical Signal Output Drivers for Integrated Circuit Interconnection
5,288,007	M. J. Interrante, M. Berger, E. F. Handford, and E. Tas	Apparatus and Methods for Making Simultaneous Electrical Connections
5,288,241	R. V. Davidge, J. R. Dewitt, P. J. Galinis, F. A. Kuchar, Jr., J. H. Neer, and T. H. Newson	Cable Locking Covers
5,288,367	D. Angell and C. J. Radens	End-point Detection
5,288,456	M. O. Aboelfotoh, M. J. Brady, and L. Krusin-Elbaum	Compound with Room Temperature Electrical Resistivity Comparable to That of Elemental Copper
5,288,539	K. Araki	Tab Tape with a Peeling-Prevention Structure for the Conductive Layer
5,288,541	K. J. Blackwell, P. C. Chen, S. E. Deliman, A. R. Knoll, G. J. Matarese, and R. D. Weale	Method for Metallizing Through Holes in Thin Film Substrates, and Resulting Devices
5,288,542	M. J. Cibulsky, K. I. Papathomas, W. J. Summa, D. W. Wang, and P. R. Zippetelli	Composite for Providing a Rigid-Flexible Circuit Board Construction and Method for Fabrication Thereof
5,288,569	B. J. Lin	Feature Biasing and Absorptive Phase-Shifting Techniques to Improve Optical Projection Imaging
5,288,842	C. Feger, R. T. Hodgson, D. A. Lewis, and R. Saraf	Morphological Composite Materials Formed from Different Precursors
5,288,944	L. A. Bronson, S. P. Moore, and J. A. Shriver III	Pinned Ceramic Chip Carrier
5,288,991	M. R. King and W. H. Vonderhaar	Optical System for Rapid Inspection of Via Location
5,289,097	K. J. Erickson, R. Greenberg, and D. W. Nelson	Spindle Control Method and Apparatus for Disk Drive
5,289,205	R. J. Torres	Method and Apparatus of Enhancing Presentation of Data for Selection as Inputs to a Process in a Data Processing System
5,289,319	E. E. Aviles, E. R. Childers, A. A. Fennema, and D. P. McReynolds	Apparatus and Method for Detecting Physical Orientation of a Position System and for Calibrating an Optimum Control for the System That is Usable in Optical Disk Recorders
5,289,432	S. H. Dhong and H. J. Shin	Dual-Port Static Random Access Memory Cell
5,289,445	F. S. Luecke	Suspension System for Focus Actuator of an Optical Disk Drive
5,289,460	J. E. Drake, Jr. and E. A. Hervatic	Maintenance of Message Distribution Trees in a Communications Network
5,289,461	R. H. J. de Nijs	Interconnection Method for Digital Multimedia Communications
5,289,462	H. Ahmadi, R. Guerin, and L. Gun	Traffic Management in Packet Communications Networks
5,289,470	S.-P. Chang and A. N. Tantawy	Flexible Scheme for Buffer Space Allocation in Networking Devices
5,289,477	J. E. Lenta and M. E. Medford	Personal Computer Wherein ECC and Parity Error Checking Can Be Selectively Chosen for Memory Elements Installed in the System, Memory Elements Enabling Selective Choice of Error Checking, and Method
5,289,546	D. J. Hetherington	Apparatus and Method for Smooth Audio Scaling
5,289,576	D. G. Gibbons, J. A. Harstad, and D. C. Tannenbaum	Attribute Filter for Computer Graphics Applications
5,289,577	C. A. Gonzales, T. A. Horvath, N. H. Kreitzer, A. G. Lean, and T. McCarthy	Process-Pipeline Architecture for Image/Video Processing
5,289,589	R. L. Bingham and K. E. Dimitri	Automated Storage Library Having Redundant SCSI Bus System
5,289,632	P. A. Chalco, M. F. Cali, L. Economikos, and J. L. Speidell	Applying Conductive Lines to Integrated Circuits
5,289,639	S. L. Bard, J. D. Jones, R. H. Katyl, R. J. Moore, and O. A. Moreno	Fluid Treatment Apparatus and Method
5,290,358	G. W. Rubloff and J. J. Hsieh	Apparatus for Directional Low Pressure Chemical Vapor Deposition (DLPCVD)
5,290,586	L. P. M. Bushnell, J. A. Coffin, and G. Prada-Silva	Method to Monitor Meta-Paete Cure on Metallized Substrates

5,290,710	J. Haj-Ali-Ahmadi, J. A. Frankeny, R. F. Frankeny, A. B. Habich, K. Hermann, and R. E. Hunt	Method for Testing Integrated Circuits on a Carrier Substrate
5,290,986	J. L. Colon, L. A. Horchos, and G. P. Suback	Thermally Assisted Shorts Removal Process for Glass Ceramic Product Using an rf Field
5,290,992	H. T. Lin and M. V. Pierson	Apparatus for Maximizing Light Beam Utilization
5,291,028	D. A. Droge, R. Fischer, and M. Spieth	Optical Device for Sensing Marks on a Surface Using Green Light Impinging at Least Sixty-five Degrees to the Normal
5,291,069	G. F. Gooding and L. L. Tretter	Bipolar H Write Driver
5,291,112	J. P. Karidis, G. McVicker, and J. P. Pawletko	Positioning Apparatus and Movement Sensor
5,291,275	L. Lumelsky	Triple Field Buffer for Television Image Storage and Visualization on Raster Graphics Display
5,291,371	P. A. Gruber and A. R. Zingher	Thermal Joint
5,291,439	B. A. Kauffmann, C. H. Lam, and J. B. Lasky	Semiconductor Memory Cell and Memory Array with Inversion Layer
5,291,442	P. G. Emma, J. W. Knight, K. P. McAuliffe, J. H. Pomerene, R. N. Rechtschaffen, and F. J. Sparacio	Method and Apparatus for Dynamic Cache Line Sectoring in Multiprocessor Systems
5,291,468	D. E. Carmon and W. G. Crouse	Method and Apparatus for Synchronizing the Readout of a Sequential Media Device with a Separate Clocked Device
5,291,500	A. M. Patel and R. A. Rutledge	Eight-Sample Look-Ahead for Coded Signal Processing Channels
5,291,514	W. Heitmann and D. Waters	Heater Autotone Control Apparatus and Method
5,291,586	A. K. Jen, P. A. Gage, and A. Y. Ngai	Hardware Implementation of Complex Data Transfer Instructions
5,291,593	R. L. Abraham, C. A. Ross, R. E. Moore, W. L. Rich, F. W. Shackelford, J. R. Tiller, Jr., and R. S. Briggs, Jr.	System for Persistent and Delayed Allocation Object Reference in an Object Oriented Environment
5,291,599	E. I. Cohen and M. R. Sheets	Dispatcher Switch for a Partitioner
5,291,608	G. A. Flurry	Display Adapter Event Handler with Rendering Context Manager
5,291,614	R. G. Baker, B. J. DeBauche, C. Dombrowski, E. Jensen, L. H. Massman, M. McCain, and P. R. Swingle	Real-time, Concurrent, Multifunction Digital Signal Processor Subsystem for Personal Computers
5,291,923	G. M. Gallagher and G. E. Johnson	Door Opening System and Method
5,292,477	D. A. Chance, D. B. Goland, S. S. N. Reddy, S. L. Shinde, and D. R. Wall	Supersaturation Method for Producing Metal Powder with a Uniform Distribution of Dispersants Method of Uses Thereof and Structures Fabricated Therewith
5,292,678	S. H. Dhong and W. Hwang	Forming a Bit Line Configuration for Semiconductor Memory
5,292,688	R. Hsiao, J. M. McCreary, V. R. Markovich, and D. P. Seraphim	Solder Interconnection Structure on Organic Substrates and Process for Making
5,292,689	J. E. Cronin and H. S. Landis	Method for Planarizing Semiconductor Structure Using Subminimum Features
5,292,861	K. I. Papathomas	Trifunctional Cyanate Esters, Polymers Thereof; Use and Preparation Thereof
5,293,083	H. O. Askin, D. T. Hui, B. Salimi, and C. B. Winn	Fast Limited Swing Push-Pull Driver
5,293,258	A. J. Dattilo	Automatic Correction for Color Printing
5,293,298	H. R. Foglia	Electrical Connector
5,293,369	C. M. Melas and P. Sutardja	Asynchronous Sampling Digital Detector System for Magnetic and Optical Recording Channels
5,293,405	J. E. Gersbach, C. R. Hoffman, and I. I. Novof	Adaptive Equalization and Regeneration System
5,293,451	P. F. Brown, S. V. De Gennaro, P. V. Desouza, and M. E. Epstein	Method and Apparatus for Generating Models of Spoken Words Based on a Small Number of Utterances
5,293,470	G. J. Birch, S. J. Cook, A. S. Murphy, P. Tustin, and J. A. Woolsey	Data Processing System for Defining and Processing Objects in Response to System User Operations
5,293,472	J. B. Lotspiech	Method of Generating Lines and Curves of User Specified Thicknesses on a Raster Device
5,293,473	E. M. Hesse and K. E. McGill	System and Method for Editing a Structured Document to Modify Emphasis Characteristics, Including Emphasis Menu Feature
5,293,491	W. L. Leung, R. A. Kelley, and L. F. McDermott	Data Processing System and Memory Controller for Lock Semaphore Operations
5,293,493	B. A. Smith and L. T. Tran	Preemption Control for Central Processor with Cache
5,293,504	J. U. Knickerbocker, C. H. Perry, and D. R. Wall	Multilayer Ceramic Substrate with Capped Vias
5,293,516	J.-C. Fouere, K.-M. Kim, and P. Smetana	Multiprobe Apparatus
5,293,565	G. A. Jaquette, J. E. Kulakowski, J. A. McDowell, and R. J. Means	Format for Data-Storing Disk Media Wherein Addressable Track Angular Length is Independent of Disk Revolutions

5,293,584	P. F. Brown, S. A. Della Pietra, V. J. Della Pietra, F. Jelinek, and R. L. Mercer	Speech Recognition System for Natural Language Translation
5,293,590	D. S. Keener and R. W. Voorhees	Personal Computer with Interface Controller
5,293,600	J. J. Vriezen	Counter and Flux Bit Locking for Very Fast Shared Serialization of Shared Data Objects
5,293,609	F.-H. W. Shih, J. F. Macon, Jr., and S. Ong	Hit-Density-Based Replacement for Data Cache with Prefetching
5,293,613	C. O. Hayden, R. J. Hurban, and S. B. Stillman	Recovery Control Register
5,293,622	J. O. Nicholson, J. C. O'Quin III, J. T. O'Quin II, and F. E. Strietelmeier	Computer System with Input/Output Cache
5,294,072	D. G. East, S. L. Felde, and G. S. Robles	Tape Cartridge Door with Pseudo-Head for Maintaining Tape Tension
5,294,257	H. L. Kelly, H.-G. H. Kolan, J. M. Leas, and T. Nakasogi	Edge Masking Spin Tool
5,294,259	M. J. Canestaro, D. G. McBride, L. J. Konrad III, and R. J. Moore	Fluid Treatment Device
5,294,287	L. L. Chang, L. Esaki, H. Munekata, H. Ohno, and S. von Molnar	Class of Magnetic Materials for Solid State Devices
5,294,289	T. F. Heinz, G. S. Selwyn, S. Singh, and J. A. Spinetti, Jr.	Detection of Interfaces with Atomic Resolution During Material Processing by Optical Second Harmonic Generation
5,294,486	M. Paunovic and K.-N. Tu	Barrier Improvement in Thin Films
5,294,518	M. J. Brady, B. E. Braren, R. J. Gambino, A. Grill, and V. V. Patel	Amorphous Write-Read Optical Storage Memory
5,294,520	T. A. DeMercurio, R. J. Hetherington, R. A. Meyen, and S. A. Sands	Zero Undercut Etch Process
5,294,558	S. Subbanna	Method of Making Double-Self-Aligned Bipolar Transistor Structure
5,294,570	M. J. Fleming, Jr., W. A. Syverson, and E. J. White	Reduction of Foreign Particulate Matter on Semiconductor Wafers
5,294,680	C. J. Knors, E. H. Macy, and M. Moreau	Polymeric Dyes for Antireflective Coatings
5,294,772	M. E. Brown, W. T. Grant, N. A. Rizk, N. S. Sandhu, and Y.-W. Yau	Debris Control System
5,294,800	V. M. Chung, G. J. Dick, A. S. Ganong, and E. J. Stashluk, Jr.	E-Beam Control Data Compaction System and Method
5,294,806	J. S. Batchelder, D. M. DeCain, and P. C. D. Hobbs	Optical Submicron Aerosol Particle Detector
5,295,067	H. H. Cho and D. L. Collet	Order Planning System Which Transforms Existing Engineering Relationships into an Order Planning Knowledge Base
5,295,069	I. L. Hersey, R. L. Stephens, and A. Zamora	Computer Method for Ranked Hyphenation of Multilingual Text
5,295,081	R. R. Habra	Concurrent Interactive Wire Editing
5,295,128	R. A. Hutchins, C. M. Melas, and P. Sutardja	Clock Controller Employing a Discrete Time Control Loop Method for Clocking Data in an Asynchronous Channel
5,295,155	J. E. Gersbach, I. I. Novof, and J. K. Lee	Multi-level Digital Data Regeneration System
5,295,161	D. M. Dreps and R. P. Rizzo	Fiber Optic Amplifier with Active Elements Feedback Circuit
5,295,214	D. F. Card, E. S. Dittman, and M. K. Saraiya	Optical Module with Tolerant Wave Soldered Joints
5,295,241	S. T. Eagen, H. G. Kiel, N. A. Martel, Jr., W. C. Rapp, and S. M. Shao	Method and Apparatus for Local Function Key Control of Scrolling on Certain Computer Workstations
5,295,246	G. Bischoff, P. J. Milot, M. Segre, J. S. Spencer, and L. R. Wilson	Bidirectional FIFO Buffer for Interfacing Between Two Buses of a Multitasking System
5,295,249	B. Blaner and S. Vassiliadis	Compounding Preprocessor for Cache for Identifying Multiple Instructions Which May Be Executed in Parallel
5,295,262	J. W. Seigh II	Read-Only Access without Blocking Via Access Vectors
5,295,522	R. L. DeAngelis and G. M. Gallagher	Gas Purge System for Isolation Enclosure for Contamination Sensitive Items
5,296,048	L. L. Chang, L. Esaki, H. Munekata, H. Ohno, and S. von Molnar	Class of Magnetic Materials for Solid State Devices
5,296,091	J. Bartha, T. Bayer, J. Greschner, D. Kern, V. Mattern, and R. Stoehr	Method of Etching Substrates Having a Low Thermal Conductivity
5,296,189	S. K. Kang, S. Purushothaman, J. J. Ritsko, J. M. Shaw, and S. L. Shinde	Method for Producing Metal Powder with a Uniform Distribution of Dispersants, Method of Uses Thereof and Structures Fabricated Therewith
5,296,332	H. S. Sachdev, W. E. Conley, P. Jagannathan, A. D. Katnani, R. W. Kwong, L. L. Linehan, S. S. Muira, and R. J. Smith	Crosslinkable Aqueous Developable Photoresist Compositions and Method for Use Thereof
5,296,458	F. J. Himpsel	Epitaxy of High T_c Superconducting Films on (001) Silicon Surface

5,296,775	J. E. Cronin, R. A. Previti-Kelly, J. G. Ryan, and T. D. Sullivan	Cooling Microfan Arrangements and Process
5,296,828	P. Feinstein, Jr., R. N. Price, V. E. Whitehead, and J. A. Williamson	Coil for Magnetic Repulsion Punch
5,296,916	H. L. Kelly, H. Kolan, and D. Perlman	Mask Alignment System for Components with Extremely Sensitive Surfaces
5,296,936	J. L. Pittas, S. M. Choi, L. Lumelsky, and A. W. Peevers	Communication Apparatus and Method for Transferring Image Data from a Source to One or More Receivers
5,296,975	J. T. Contreras, S. A. Jove, K. B. Klaassen, and J. C. L. van Peppen	High-Transition-Rate, Low-Supply-Voltage Write Driver Circuitry for Magnetic Inductive Write Head
5,296,980	T. Matsui and Y. Sonobe	Magnetic Disk Apparatus Having Recording Heads for Opposite Disk Surfaces Which are Offset from Each Other
5,296,993	J. A. Aboaf, E. V. Denison, V. N. Kahwaty, and G. Steving	Magnetic Head with Magnetic Substrate and an Enhanced Poletip Thereon
5,297,003	H. Nomura and Y. Uchiyama	Computer, Keyboard Apparatus, and Keyboard Tilting Mechanism
5,297,076	C. M. Jefferson and A. J. Meixner	Spectral Hole Burning Data Storage System and Method
5,297,089	R. C. Wong	Balanced Bit Line Pull Up Circuitry for Random Access Memories
5,297,091	R. M. Blake, W. P. Hovis, and D. J. Perlman	Early Row Address Strobe (RAS) Precharge
5,297,137	Y. Ofek and M. M. Yung	Process for Routing Data Packets Around a Multi-node Communications Network
5,297,151	M. Gruetzner, L. M. Huisman, S. Kundu, and C. W. Starke	Adjustable Weighted Random Test Pattern Generator for Logic Circuits
5,297,244	G. P. Pomichter, Jr.	Method and System for Double Error Antialiasing in a Computer Display System
5,297,248	A. L. Clark	Multi-color Animation of Computer Program Execution
5,297,274	J. W. Jackson	Performance Analysis of Program in Multithread OS by Creating Concurrently Running Thread Generating Breakpoint Interrupts to Active Tracing Monitor
5,297,275	P. Thayer	Personal Computer System Variable Resolution Timers
5,297,277	D. A. Dein, H. C. Holland, R. J. Kammerer, and R. G. Valdez	Apparatus for Monitoring Data Transfers of an OEMI Channel Interface
5,297,278	D. S. Wang and M. L. Williams	System for Authorized Conditional Deletion of Data Objects within a Library Service
5,297,281	P. G. Emma, J. W. Knight, J. H. Pomerene, R. N. Rechtschaffen, and F. J. Sparacio	Multiple Sequence Processor System
5,297,618	J. R. Behun and J. A. Benenati	Apparatus for Removing a Heatsink from an Electronic Module or Package
5,297,754	T. A. Albrecht, A. J. Argumedo, J. H. Eaton, D. G. East, S. L. Felde, and D. W. Johnson	Tape Reel with Brake and Dust Shield
5,297,755	S. L. Felde, P. Y. Hu, G. F. Hudson, D. W. Johnson, K. J. Lusk, G. S. Robles, and R. R. Sidebotham	Tape Cartridge Tape Path
5,297,967	J. G. Baumberger, F. P. Donlan, Jr., and J. R. Petrozello	Electrical Interconnector with Helical Containing Portion and Assembly Using Same
5,298,324	P. R. Ivett, K. E. Johnson, and R. E. Nelson	Magnetic Recording Medium Having a Cobalt-Platinum-Chromium Alloy Magnetic Layer and a Chromium-Tungsten Underlayer a Specified Underlayer Thickness Range
5,298,452	B. S. Meyerson	Method and Apparatus for Low Temperature, Low Pressure Chemical Vapor Deposition of Epitaxial Silicon Layers
5,298,685	P. S. Bindra, R. D. Havens, V. R. Markovich, and J. A. Molla	Interconnection Method and Structure for Organic Circuit Boards
5,298,715	P. A. Chalco, W. L. Hillman, R. H. Kurth, and N. T. Panousis	Lasersonic Soldering of Fine Insulated Wires to Heat-Sensitive Substrates
5,298,720	J. J. Cuomo, M. V. Grazioso, C. R. Guarnieri, K. L. Haller, J. E. Heidenreich III, G. S. Selwyn, and S. J. Whitehair	Method and Apparatus for Contamination Control in Processing Apparatus Containing Voltage Driven Electrode
5,298,731	A. H. Ett	Method for Printing and Reading for Orthogonal Bar Code Patterns
5,298,786	G. G. Shahidi, D. D. Tang, and Y. Taur	SOI Lateral Bipolar Transistor with Edge-Strapped Base Contact and Method of Fabricating Same
5,298,790	D. L. Harmon, M. L. Kerbaugh, N. T. Pascoe, and J. F. Rembetski	Reactive Ion Etching Buffer Mask
5,298,799	D. B. Cochran and K. M. Owczarski	Single-Shot Circuit with Fast Reset
5,298,875	R. B. Laibowitz and G. J. Lasher	Controllable Levitation Device
5,298,897	C. Harrison, M. D. Marik, and R. L. Posthumus	Method and Apparatus for Decoding Two Frequency (F/SF) Data Signals

5,298,975	H. A. Khoury, C. K. Chi, J. G. Clabes, P. C. D. Hobbs, L. Landstein, M. P. O'Boyle, H. K. Wickramasinghe, and S. K. Wolterman	Combined Scanning Force Microscope and Optical Metrology Tool
5,298,992	M. A. Pietras, A. A. Rodriguez, and A. J. Saenz	System and Method for Frame-Differencing Based Video Compression/Decompression with Forward and Reverse Playback Capability
5,298,993	A. D. Edgar and J. M. Kasson	Display Calibration
5,299,087	Y. Fermier, M. Ferry, C. Jacquart, and P. Vachee	Overload Protection Circuit
5,299,122	D. S. Wang and C. M. N. Cree	Table Manipulations for Enterprise Specific Search Terms
5,299,123	D. S.-F. Wang and C. M. N. Cree	Method for Allowing Retrieval of Documents with User Defined Search Descriptors
5,299,136	J. Babakanian, J. W. Davis, M. S. Garvin, R. M. Swanson, N. G. Thoma, and D. M. Wu	Fully Testable DCVS Circuits with Single-Track Global Wiring
5,299,190	R. O. LaMaire and D. N. Serpanos	Two-Dimensional Round-Robin Scheduling Mechanism for Switches with Multiple Input Queues
5,299,196	J. J. Allen, Jr.	Distributed Address Decoding for Bus Structures
5,299,201	A. Carusone, Jr., A. W. Garrigan, W. Hunsinger, G. T. Moffitt, J. M. Taylor, and N. N. Tendolkar	Method and Apparatus for Isolating Faults in a Network Having Serially Connected Links
5,299,208	M. M. Blaum and H. C. Van Tilborg	Enhanced Decoding of Interleaved Error Correcting Codes
5,299,288	E. Glassman, W. A. Hanson, P. Kazanides, B. D. Mittelstadt, B. L. Musits, H. A. Paul, and R. H. Taylor	Image-Directed Robotic System for Precise Robotic Surgery Including Redundant Consistency Checking
5,299,297	D. C. Reynolds and M. Wong	Method for Enhancing Three-Dimensional Interference Checking
5,299,315	A. L. Chin, S. J. Eleazar-Garcia, T. V. Lee, D. S. Keener, G. J. Moore, and E. S. Stine	Personal Computer with Programmable Threshold FIFO Registers for Data Transfer
5,299,319	S. Vassiliadis and J. E. Phillips	High Performance Interlock Collapsing Scism ALU Apparatus
5,299,393	W. F. Chandler, L. B. Jacobson, R. D. Johnson, and S. E. Monahan	Slurry Containment Device for Polishing Semiconductor Wafers
5,299,756	P. Y. Hu and J. L. Overacker	Foil Wrapped Flexible Web Guide
5,299,939	G. F. Walker and A. Zingher	Spring Array Connector
5,300,008	H. C. Lee, L. T. Sehringer, and G. D. VanBurger	Printer and Folder with Chains Having Light Weight Pendants Hanging Therefrom
5,300,208	M. Angelopoulos, W.-S. Huang, J. M. Park, and J. R. White	Fabrication of Printed Circuit Boards Using Conducting Polymer
5,300,402	N. A. Card, Jr., R. A. Day, D. H. Glatzel, and D. J. Russell	Composition for Photo Imaging
5,300,403	M. Angelopolus, D. G. Berger, E. D. Perfecto, and P. J. Wilkens	Line Width Control in a Radiation Sensitive Polyimide
5,300,786	T. A. Brunner, M. S. Hibbs, B. B. Peck, and C. A. Spence	Optical Focus Phase Shift Test Pattern, Monitoring System and Process
5,300,800	G. B. Bronner, S. H. Dhong, and W. Hwang	Low Leakage Substrate Plate DRAM Cell
5,300,813	R. V. Joshi, J. J. Cuomo, H. M. Dalal, and L. L. Hsu	Refractory Metal Capped Low Resistivity Metal Conductor Lines and Vias
5,300,827	M. S. Michail and J. L. Walsh	Noise Immune NTL Logic Network
5,300,911	M. M. Walters	Monolithic Magnetic Device with Printed Circuit Interconnections
5,300,949	A. A. Rodriguez, M. A. Pietras, S. M. Hancock, R. F. Kantner, Jr., C. T. Rutherford, and L. R. Wilson	Scalable Digital Video Decompressor
5,301,012	M. R. King and W. B. Scism	Optical Technique for Rapid Inspection of Via Underetch and Contamination
5,301,038	S. J. P. Todd	Image Processor and Method for Processing Pixel Data
5,301,079	W. C. Cain, B. Dieny, R. E. Fontana, Jr., and V. S. Speriosu	Current Biased Magnetoresistive Spin Valve Sensor
5,301,080	H. H. Ottesen and G. J. Smith	Bias Servo Loop for Magneto-resistive Read/Write Head
5,301,118	H. L. Heck and J. S. Kresge	Monte Carlo Simulation Design Methodology
5,301,124	K. T. Chan, D. E. Davis, W. A. Enichen, C. T. Ho, E. V. Weber, and G. Langner	Registration of Patterns Formed of Multiple Fields
5,301,165	M. K. Ciraula, C. M. Durham, and D. L. Jallice	Chip Select Speedup Circuit for a Memory
5,301,196	J. F. Ewen and A. X. Widmer	Half-speed Clock Recovery and Demultiplexer Circuit
5,301,202	C. S. Harder, S. V. Iyer, H. P. Meier, A. Phillips, Jr., and A. Behfar-Rad	Semiconductor Ridge Waveguide Laser with Asymmetrical Cladding

5,301,231	D. G. Abraham, D. Henningsmeyer, J. M. Hudson, D. B. Johnson, A. V. Le, S. M. Matyas, and J. V. Stevens	User Defined Function Facility
5,301,242	C. A. Gonzales and E. Viscito	Apparatus and Method for Motion Video Encoding Employing an Adaptive Quantizer
5,301,265	M. Itoh	Apparatus for Converting N Picture Elements to M Picture Elements
5,301,278	R. J. Bowater, S. P. Larky, J. C. St. Clair, and P. G. Sidoli	Flexible Dynamic Memory Controller
5,301,282	N. Amini, B. F. Boury, and T. J. Lohman	Controlling Bus Allocation Using Arbitration Hold
5,301,290	W. H. Tetzlaff and J. H. Unger	Method for Minimizing Lock Processing While Ensuring Consistency Among Pages Common to Local Processor Caches and a Shared External Store
5,301,297	J. M. Menon and L. C. Wood, Jr.	Method and Means for Managing RAID 5 DASD Arrays Having RAID DASD Arrays as Logical Devices Thereof
5,301,302	J. W. Blackard, R. G. Fogg, Jr., and A. M. de Nicolas	Memory Mapping and Special Write Detection in a System and Method for Simulating a CPU Processor
5,301,304	M. J. Menon	Emulating Records in One Record Format in Another Record Format
5,301,312	K. W. Christopher, Jr., K. D. Huynh, V. M. Roarabaugh, and T. C. Waldron	Method and System for Utilizing Benign Fault Occurrence to Measure Interrupt-Blocking Times
5,301,317	G. M. Lohman, K. Ono, and J. D. Palmer	System for Adapting Query Optimization Effort to Expected Execution Time
5,301,321	L. K. Bell, J. D. Jones, D. J. Kardell, T.-N. Nguyen, and K. A. Varga	Method and System for the Minimization of Conflicting Activities with Respect to an Object Stored Within a Data Processing System
5,301,323	T. R. Maeurer and A. S. Meritt	Data Processing System Including Dynamic Channel Path Management
5,301,324	P. H. Dewey, W. J. Glynn, R. E. Hough, and M. R. Rao	Method and Apparatus for Dynamic Work Reassignment Among Asymmetric, Coupled Processors
5,301,340	P. W. Cook	IC Chips Including ALUs and Identical Register Files Whereby a Number of ALUs Directly and Concurrently Write Results to Every Register File Per Cycle
5,301,341	S. Vassiliadis and J. E. Phillips	Overflow Determination for Three-Operand ALUs in a Scalable Compound Instruction Set Machine Which Compounds Two Arithmetic Instructions
5,301,343	R. D. Alvarez	System Having Microprocessor Local Memory Expansion Capability Through Removable Coupling of Local Memory Expansion Boards Directly to the High Speed Microprocessor Local Bus
5,301,348	W. Jaaskelainen	Dynamic Progress Marking Icon
5,301,618	U. Abendschein and F. Schlegel	Guide Means for Conveying Sheet-Shaped Media
5,302,266	H. J. Grabarz, A. Grill, W. M. Holber, J. S. Logan, and J. T. C. Yeh	Method and Apparatus for Filing High Aspect Patterns with Metal
5,302,420	T. N. Nguyen, G. S. Oehrlein, and Z. A. Weinberg	Plasma Deposition of Fluorocarbon
5,302,434	M. F. Doerner, D. S. Parker, A. W. Wu, and T. Yogi	Magnetic Recording Disk for Contact Recording
5,302,851	M. Ree, W. Volksen, and D. Y. Yoon	Circuit Assembly with Polyimide Insulator
5,302,950	W. J. Johnson, L. M. Lachman, G. Vega, and M. L. Williams	Method of and Apparatus for Providing Automatic Determination of Information Sampling Rate
5,303,096	C. G. Keller	Merging of Heads into Disk Drives Using Low Melting Wax
5,303,114	M. Ferry and P. Zeraffa	Overload Protection Circuit Capable of Sustaining High Inrush Current in the Load Circuit
5,303,141	J. S. Batchelder, H. W. Curtis, D. S. Goodman, F. Gracer, R. R. Jackson, G. M. Koppelman, and J. D. Mackay	Model Generation System Having Closed-Loop Extrusion Nozzle Positioning
5,303,166	E. A. Amalfitano and G. J. McKnight	Method and System for Automated Network Benchmark Performance Analysis
5,303,170	A. G. Valko	System and Method for Process Modelling and Project Planning
5,303,176	D. A. Hrusecky, J. E. Phillips, and S. Vassiliadis	High Performance Array Multiplier Using Four-to-Two Composite Counters
5,303,196	H. D. Sang and E. J. Sprogis	Open Bit Line Memory Devices and Operational Method
5,303,214	J. E. Kulakowski and R. J. Means	Multi-media-Type Automatic Libraries
5,303,219	J. E. Kulakowski and R. J. Means	Reclamation of Dust Contaminated Sectors in Optical Disk Apparatus
5,303,237	W. C. Bergman and J. R. Cherukuri	Frame Relay System Capable of Handling both Voice and Data Frames
5,303,238	J. L. Brodd, J. D. Eikenhorst, A. F. Fahmy, H. G. Kiel, and J. H. Maher	Network Communications Intermediate Interface
5,303,311	A. K. Epting and T. A. Will	Method and Apparatus for Recognizing Characters
5,303,312	L. D. Comerford and S. E. Levy	Handwriting Recognition by Character Template
5,303,340	J. Gonzalez-Lopez, R. S. Horton, T. P. Lanzoni, and W. L. Luken, Jr.	Concave Polygon Drawing Method and Processor for a Computer Graphics Display System
5,303,351	S. P. Jackowski and R. B. Jenkins	Error Recovery in a Multiple 170 Channel Computer System

5,303,356	S. Vassiliadis, B. Blaner, and T. L. Jeremiah	System for Issuing Instructions for Parallel Execution Subsequent to Branch into a Group of Member Instructions with Compoundability in Dictation Tag
5,303,365	K. J. Getzlaff, J. Hajdu, and G. Knauff	Clock Generation in a Multi-chip Computersystem
5,303,555	G. M. Chrysler and D. T. Vader	Electronics Package with Improved Thermal Management by Thermoacoustic Heat Pumping
5,303,824	H. Kohn	Solder Preform Carrier and Use
5,303,862	A. Bross, J. J. Hedrick, R. D. Johnson, R. O. Lussow, J. R. Lyster, Jr., D. E. Myers, J. D. Peruffo, K. G. Sachdev, and T. J. Walsh	Single Step Electrical/Mechanical Connection Process for Connecting I/O Pins and Creating Multilayer Structures
5,304,278	J. Bartha, T. Bayer, J. Greschner, D. Kern, V. Mattern, and R. Stoehr	Apparatus for Plasma or Reactive Ion Etching and Method of Etching Substrates Having a Low Thermal Conductivity
5,304,279	D. K. Coultas and J. H. Keller	Radio Frequency Induction/Multipole Plasma Processing Tool
5,304,284	R. Jagannathan, S. Purushothaman, and S. A. Sikorski	Methods for Etching a Less Reactive Material in the Presence of a More Reactive Material
5,304,441	D. J. Samuels and R. J. Yerdon	Method of Optimizing Exposure of Photoresist by Patterning as a Function of Thermal Modeling
5,304,457	R. A. Day, J. D. Gelorme, D. J. Russell, and S. J. Witt	Composition for Photo Imaging
5,304,517	J. A. Casey, S. M. DeCarr, S. S. N. Reddy, S. L. Shinde, V. M. Sura, and R. R. Tummla	Toughened Glass Ceramic Substrates for Semiconductor Devices Subjected to Oxidizing Atmospheres during Sintering
5,304,898	R. Kataoka and M. Kobayashi	High Voltage Generating Circuit
5,304,969	L. Jacobowitz and M. E. Ecker	Apparatus and a Method for an Electrical Transmission-Line Interface
5,305,138	C. J. Freedenberg, F. A. Herring, and U. A. Ziemins	Superachromatic UV and Visible Focusing Objective Lens
5,305,165	B. Brezoczky and H. Seki	Tribo-Attractive Contact Data Storage System
5,305,184	R. Andresen, R. J. Bellar, S. J. Kim, and A. L. Murphy	Method and Apparatus for Immersion Cooling of an Electronic Board
5,305,186	B. K. Appelt, I. Memis, R. A. Schumacher, and J. M. Lauffer	Power Carrier with Selective Thermal Performance
5,305,248	L. M. Ammann	Fast IEEE Double Precision Reciprocals and Square Roots
5,305,277	M. T. Derwin, B. M. Ozaki, and W. A. Wall	Data Processing Apparatus Having Address Decoder Supporting Wide Range of Operational Frequencies
5,305,431	M. P. Cyr, W. F. Lawless, and T. L. Staley II	Method and System for Rendering Polygons on a Raster Display
5,305,434	D. J. Ballard, C. J. Bracht, G. E. Fisher, M. E. Payne, and T. D. Spencer	System and Method for Executing Panel Actions from Procedures
5,305,437	N. K. Fritze and M. E. Medford	Graphical System Descriptor Method and System
5,305,440	S. P. Morgan and T. A. Smith	File Extension by Clients in a Distributed Data Processing System
5,305,448	J. S. Insalaco and M. D. Swanson	Shared Access Serialization Featuring Second Process Lock Steal and Subsequent Write Access Denial to First Process
5,305,451	H. H. Chao, J. H. Chang, and F.-H. W. Shih	Single Phase Clock Distribution Circuit for Providing Clock Signals to Multiple Chip Integrated Circuit Systems
5,305,454	S. E. Record, A. M. Shepherd, and S. S. Shultz	Notification of Event Handlers in Broadcast or Propagation Mode by Event Management Services in a Computer System
5,305,455	B. D. L. Anschuetz, P. P. Giangarra, J. A. Grantz, M. S. Kogan, D. C. Oakes, and S. M. Zannoni	Per Thread Exception Management for Multitasking Multithreaded Operating System
5,305,461	B. A. Feigenbaum, M. A. Fiechtner, and D. M. Miclette	Method of Transparently Interconnecting Message Passing Systems
5,305,523	A. Bross, J. G. Cempa, R. O. Lussow, J. A. McDonald, D. E. Myers, J. D. Peruffo, T. J. Walsh, and T. J. Walsh III	Method of Direct Transferring of Electrically Conductive Elements into a Substrate
5,306,659	K. D. Beyer and A. S. Yapsir	Reach-Through Isolation Etching Method for Silicon-on-Insulator Devices
5,306,698	B. T. Ahn, R. B. Beyers, and W. Y. Lee	Methods for Producing $TL_2CA_2BA_2CU_3$ Oxide Superconductors
5,306,741	P. C. Chen, T. E. Kindl, P. G. Rickerl, M. J. Schadt, and J. G. Stephanie	Method of Laminating Polyimide to Thin Sheet Metal
5,306,866	H. W. Gruber, H. G. Horbach, G. W. Kötze, T. Ludwig, and H. Schettler	Module for Electronic Package
5,306,872	M. R. Kordus, M. S. Schneider, and L. H. Wirtz	Structures for Electrically Conductive Decals Filled with Organic Insulator Material
5,306,902	D. S. Goodman	Confocal Method and Apparatus for Focusing in Projection Lithography

5,306,959	G. Knauft, B. Leppla, D. Schmunkamp, and U. Weiss	Electrical Circuit for Generating Pulse Strings
5,307,005	S. J. Ahladas and K. R. Covi	Zero Current Switching Reverse Recovery Circuit
5,307,086	D. L. Griffin and P. J. Keane	Method of Implementing a Preview Window in an Object Oriented Programming System
5,307,223	M. F. Doerner, D. S. Parker, A. W. Wu, and T. Yogi	Magnetic Recording Disk File for Contact Recording
5,307,261	R. A. Maki, H. Mitchell, S. K. Mukherjee, B. N. Panuganti, and A. D. E. Stiles	Method and System for Product Configuration Management in a Computer Based Manufacturing System
5,307,265	L. A. Winans	Computer Method and System for Communication in a Multi-lingual Network
5,307,342	C. J. Georgiou and T. A. Larsen	Heterogeneous Ports Switch
5,307,347	M. Duault, J. J. Lynch, and R. E. Snyder	Method and Apparatus for Sharing a Telecommunications Channel Among Multiple Users
5,307,354	K. D. Cramer and F. H. Keller	Method and Apparatus for Remote Maintenance and Error Recovery in Distributed Data Processing Networks
5,307,356	J. A. Fifield	Interlocked On-Chip ECC System
5,307,406	T. W. Gee, J. W. Sylvant, L. S. Shannon, Jr., A. M. Bentley, R. S. Nelson, R. A. Luechtefeld, and T. T. Nguyen	ISDN Power Source Detection Circuit
5,307,410	C. H. Bennett	Interferometric Quantum Cryptographic Key Distribution System
5,307,445	M. Dalal and D. Gangopadhyay	Query Optimization by Type Lattices in Object-Oriented Logic Programs and Deductive Databases
5,307,466	R. W. Chang	Distributed Programmable Priority Arbitration
5,307,482	R. Bealkowski, R. M. Begun, and M. R. Turner	Computer, Non-maskable Interrupt Trace Routine Override
5,307,483	D. L. Knipfer, L. A. McMahon, and C. B. Metzger	Synchronization Instruction for Multiple Processor Network
5,307,485	F. G. Bordonaro, G. A. Brent, R. J. Edwards, J. Goldman, D. B. Lindquist, K. A. Patel, and P. R. Williams, Jr.	Method and Apparatus for Merging Sorted Lists in a Multiprocessor Shared Memory System
5,307,491	D. T. Feriozi and B. Khatri	Layered SCSI Device Driver with Error Handling Circuit Providing Sense Data from Device Directly to the Driver on the Occurrence of an Error
5,307,497	B. A. Feigenbaum and R. P. Springhetti	Disk Operating System Loadable from Read Only Memory Using Installable File System Interface
5,307,498	I. R. Eisen, S. W. Murphrey, and D. Zagorski	Automated Method for Adding Hooks to Software
5,308,248	R. V. Davidge, T. A. McClurg, J. H. Neer, R. J. Nelson, D. C. Newell, R. J. Noschese, and R. P. Sidor	High Density Interconnection System
5,308,258	J. G. Hatsios	Planar Modular Interconnect System
5,308,414	J. A. O'Neill, M. L. Passow, and J. Singh	Method and Apparatus for Optical Emission End Point Detection in Plasma Etching Processes
5,308,438	W. J. Cote, J. E. Cronin, W. R. Hill, and C. A. Hoffman	Endpoint Detection Apparatus and Method for Chemical/Mechanical Polishing
5,308,439	J. E. Cronin, K. E. Morrett, M. D. Potter, and T. D. Sullivan	Laternal Field Emission Devices and Methods of Fabrication
5,308,785	J. H. Comfort, D. L. Haramé, and S. R. Stiffler	Isolation Technique for Silicon Germanium Devices
5,308,794	K.-N. Tu	Aluminum-Germanium Alloys for VLSI Metallization
5,308,801	F. H. Cocks, N. J. Bolinger, and H. M. Hammarstrom	Process for the Increase in Critical Temperature of High T _c Superconductors
5,308,928	A. J. Parla and H. F. Tepper	Soldering Interconnects for Selective Line Coupling
5,309,037	L. D. Curley and M. J. Mitchell, Jr.	Power-on Reset Circuit with Arbitrary Output Prevention
5,309,264	S.-C. A. Lien and R. A. John	Liquid Crystal Displays Having Multi-domain Cells
5,309,295	J. A. Bailey and P. H. Francois	Method and Apparatus for Biasing a Magneto-resistive Head
5,309,298	K. B. Klaasen and J. C. L. van Peppen	Suppression of Magnetic Instability in Inductive Recording Heads
5,309,299	J. F. Crossland, D. G. East, J. A. Koski, and J. E. Smith	Method and System for Position Error Signal Generation Using Auto Correlation
5,309,301	T. A. Gregory, J. A. Hagan, and C. G. Keller	Servo Controlled Lubricant Thickness for Near Contact Magnetic Recording
5,309,318	K. E. Beilstein, Jr., C. L. Bertin, G. A. Kelley, Jr., and C. P. Miller	Thermally Enhanced Semiconductor Chip Package
5,309,323	D. J. Gray, I. Golledge, and S. R. Spake	Removable Electrical Unit with Combined Grip and Release Mechanism Exposed by Partial Withdrawal
5,309,354	G. J. Dick	Electron Beam Exposure Method
5,309,358	G. P. Andrews and C.-M. Wang	Method for Interchange Code Conversion of Multi-byte Character String Characters

5,309,420	G. A. Jacquette and W. C. Williams	Discriminator for Detecting Signal Presence on Optical Media
5,309,426	R. S. Crouse, J. J. Cazzolla, L. L. Chang, M. M. Hurtado, K. D. Nguyen, J. L. Rivero, J. J. Ruiz, and L. Salcedo	High Performance Cascadable Simplex Switch
5,309,433	I. Cidon, D. W. Davenport, J. H. Derby, J. G. Dudley, I. S. Gopal, J. P. Janniello, M. A. Kaplan, F. R. Koperda, S. Kuttan, and K. H. Potter	Methods and Apparatus for Routing Packets in Packet Transmission Networks
5,309,448	A. T. Bouloutas, S. B. Calo, and A. J. Finkel	Methods and Systems for Alarm Correlation and Fault Localization in Communication Networks
5,309,454	Y. Taira	Apparatus for Wavelength Conversion of Laser Light
5,309,461	D. E. Call, G. A. Jaquette, and J. Lewkowicz	Compensated Laser Drive Circuit
5,309,465	A. Antreasyan, G. Costrini, and P. D. Hoh	Ridge Waveguide Semiconductor Laser with Thin Active Region
5,309,476	J. T. Murray, G. Ungerboeck, and M. S. Ware	Automode Signal Detection in Full Duplex Modems
5,309,542	D. H. Strope, L. P. Brehm, K. N. Kapur, and R. C. Seward	Fiber Optic Transmitter Modification for Improved Extinction Ratio
5,309,552	R. S. Horton, R. C. Mitchell, and W. G. Temnycky	Programmable Multi-format Display Controller
5,309,555	A. S. Akins, P. A. Lee, G. P. Seaburg, and G. W. Arbeitman	Realtime Communication of Hand Drawn Images in a Multiprogramming Window Environment
5,309,566	L. E. Larson	System and Method for Character Translation
5,310,440	A. R. Zingher	Convection Transfer System
5,310,451	M. J. Tejwani and S. S. Iyer	Method of Forming an Ultra-Uniform Silicon-on-Insulator Layer
5,310,580	E. J. O'Sullivan, T. R. O'Toole, J. M. Roldan, L. T. Romankiw, C. J. Sambucetti, and R. Saraf	Electroless Metal Adhesion to Organic Dielectric Material with Phase Separated Morphology
5,310,602	J. Li, J. W. Mayer, E. G. Colgan, and J. P. Gambino	Self-aligned Process for Capping Copper Lines
5,310,625	M. Angelopoulos, D. G. Berger, J. W. Labadie, E. D. Perfecto, M. I. Sanchez, S. A. Swanson, and W. Volksen	Process for Forming Negative Tone Images of Polyimides Using Base Treatment of Crosslinked Polyamic Ester
5,310,706	F. Litchenberg, J. Mannhart, and D. Schlom	Method for Manufacturing High T_c Superconducting Circuit Elements with Metallic Substrate
5,310,863	K. G. Sachdev	Polyimide Materials with Improved Physico-Chemical Properties
5,310,967	P. A. Chalco, M. F. Cali, L. Economikos, and J. L. Speidell	Applying Conductive Lines to Integrated Circuits
5,311,066	S. J. Malloy and K. J. Treubert	Universal Phase Match Path Generator for Three-Phase Power
5,311,287	N. M. Amer	Direct Access Storage with Head-Disc Dynamics Monitor
5,311,294	C. Cromer and R. I. Knox	Method and Apparatus for Setting the Color Balance of a Color Display Device
5,311,474	N. Urban	Random Access Optical Storage
5,311,509	M. Heddes and R. Luijten	Configurable Gigabits Switch Adapter
5,311,513	H. Ahmadi, J. H. Derby, R. Guérin, L. Gün, G. A. Marin, M. Naghshineh, and K. Sohraby	Rate-Based Congestion Control in Packet Communications Networks
5,311,519	K. J. Getzlaff, T. Pflueger, and H.-W. Tast	Multiplexer
5,311,539	A. Behfar-Rad, M. E. Jost, and C. S. Harder	Roughened Sidewall Ridge for High Power Fundamental Mode Semiconductor Ridge Waveguide Laser Operation
5,311,577	R. J. Madrid, S. K. Miller, and S. K. Gursahaney	Data Processing System, Method and Program for Constructing Host Access Tables for Integration of Telephony Data with Data Processing Systems
5,311,597	W. S. Rosenbaum	Deferred Optical Character Recognition Active Pigeon Hole Sorting of Mail Pieces
5,311,660	W. A. Alpaugh, A. C. Bhatt, M. J. Canestaro, R. J. Day, E. O. Fey, and J. E. Larrabee	Methyl Chloroform-Free Desmear Process in Additive Circuitization
5,312,224	J. S. Batchelder, S. A. Hall, and R. R. Jackson	Conical Logarithmic Spiral Viscosity Pump
5,312,238	A. Bross and T. J. Walsh	Apparatus for Extruding Materials That Exhibit Anisotropic Properties by Means of Reciprocating Die Surfaces
5,312,245	J. P. Brannen, R. R. Hansotte, Jr., and D. K. Neff	Particulate Trap for Vertical Furnace
5,312,509	R. J. B. Eschbach	Manufacturing System for Low Temperature Chemical Vapor Deposition of High Purity Metals

5,312,532	P. Andricacos, M. Branger, R. M. Browne, J. O. Dukovic, B. W. B. Fu, R. W. Hitzfeld, M. Flotta, D. R. McKenna, L. T. Romankiw, and S. Sahami	Multi-compartment Electroplating System
5,312,717	H. S. Sachdev, J. C. Forster, L. L. Linehan, S. A. MacDonald, K. P. L. Muller, W. E. Mlynko, and L. K. Somerville	Residue Free Vertical Pattern Transfer with Top Surface Imaging Resists
5,312,777	J. E. Cronin, K. E. Morrett, M. D. Potter, and M. J. Rutten	Fabrication Methods for Bidirectional Field Emission Devices and Storage Structures
5,312,887	K. I. Papathomas	Dicyanate Prepolymers, Use and Preparation Thereof
5,313,051	D. J. Brigida, M. K. Brown, F. Fado, V. S. Moore, T. K. Pate, J. J. Tout, Jr., P. F. Camilleri, R. L. Donaldson, and M. N. Gray	Paperless Parcel Tracking System
5,313,068	A. Z. Meiri, D. Ramm, and U. Shvadron	Partitioning Method for E-beam Lithography
5,313,094	K. D. Beyer, C.-M. Hsieh, L. L. Hsu, D. E. Kotecki, and T.-D. Yuan	Thermal Dissipation of Integrated Circuits Using Diamond Paths
5,313,227	Y. Aoki and K. Takayanagi	Graphic Display System Capable of Cutting Out Partial Images
5,313,352	T. Chikazawa, A. Aoyagi, and A. Tobari	Magnetic Disk Slider Having Piezo-Electric Vibration Elements
5,313,366	G. J. Gaudenzi and P. Nihal	Direct Chip Attach Module (DCAM)
5,313,424	R. D. Adams, H. A. Bonges III, J. W. Dawson, and E. L. Hedberg	Module Level Electronic Redundancy
5,313,430	J. R. Rawlins and C. G. Rivadeneira	Power Down Circuit for Testing Memory Arrays
5,313,475	D. C. Cromer, G. J. Gaudenzi, P. C. King, K. G. Kramer, and T. J. Louie	ECC Function with Self-Contained High Performance Partial Write or Read/Modify/Write and Parity Look-Ahead Interface Scheme
5,313,476	W. E. Haberkorn, Jr. and H. E. Roman	Clock Security Ring
5,313,499	R. L. Coburn	Constant Gain Phase Lock-Loop
5,313,503	T. D. Jones and P. P. Klinger	Programmable High Speed Digital Phase Locked Loop
5,313,536	F. Rossi and W. Straehle	Modular Photonic Waveguide Distribution System
5,313,589	J. E. Donaldson, G. G. Floryance, and S. A. Schmitt	Low Level Device Interface for Direct Access Storage Device Including Minimum Functions and Enabling High Data Rate Performance
5,313,592	M. F. Buondonno, C. N. Kindell, K. L. Milsted, and B. E. Yoder	Method and System for Supporting Multiple Adapters in a Personal Computer Data Processing System
5,313,593	E. H. Barakat, A. L. Chin, and E. B. Schorn	Personal Computer System with Bus Noise Rejection
5,313,613	S. L. Gregor	Execution of Storage-Immediate and Storage-Storage Instructions within Cache Buffer Storage
5,313,627	N. Amini, B. F. Boury, S. Brannon, and R. L. Horne	Parity Error Detection and Recovery
5,313,629	R. L. Abraham, R. E. Moore, W. L. Rich, F. W. Shackelford, J. R. Tiller, Jr., C. A. Ross, and R. S. Briggs, Jr.	Unit of Work for Preserving Data Integrity of a Data-base by Creating in Memory a Copy of All Objects Which Are to Be Processed Together
5,313,634	J. Eickemeyer	Computer System Branch Prediction of Subroutine Returns
5,313,638	D. M. Ogle and E. H. Williams, Jr.	Method Using Semaphores for Synchronizing Communication Between Programs or Processes Resident in a Computer System
5,313,640	B. C. Beardsley, D. L. Leigh, C. D. Starrett, and J. R. Wolfe	Method and System for the Efficient Response to Multiple Different Types of Interrupts
5,313,645	D. B. Rolfe	Method for Interconnecting and System of Interconnected Processing Elements by Controlling Network Density
5,313,649	Y. Hsu and R. D. Jackson	Switch Queue Structure for One-Network Parallel Processor Systems
5,314,346	G. R. Owens, R. J. Reis, R. G. Shomo, and S. D. Wickus	Flexible Circuit Applique Patch Customization for Generic Programmable Cable Assemblies
5,314,709	F. E. Doany, G. W. Grube, and R. Saraf	Unzippable Polymer Mask for Screening Operations
5,314,841	F. T. Brady and N. F. Haddad	Method of Forming a Frontside Contact to the Silicon Substrate of a SOI Wafer
5,315,142	A. Acovic, C.-H. Hsu, and B. S. Wu	High Performance Trench EEPROM Cell
5,315,151	C.-M. Hsieh, L. L. Hsu, and V. J. Silvestri	Transistor Structure Utilizing a Deposited Epitaxial Base Region
5,315,167	Y. H. Chan, A. R. Pelella, and W. R. Reohr	Voltage Burn-In Scheme for BiCMOS Circuits
5,315,284	S. R. Bentley, R. A. Hutchins, C. M. Melas, and P. Sutardja	Asynchronous Digital Threshold Detector for a Digital Data Storage Channel
5,315,310	D. J. Eagle and A. J. Morrish	Cathode Ray Tube Display Apparatus

5,315,314	R. B. Harrison and R. T. Wood	Video Display System Storing Unpacked Video Data in Packed Format
5,315,463	G. N. Dew, A. R. Hearn, D. J. Sebborn, and J. T. Young	Disk File Having Thermal Expansion Ring for Ensuring Disk/Hub Concentricity
5,315,464	H. Tsujino	Disk Apparatus and Manufacturing Method Thereof
5,315,468	T. Lin, J. K. Howard, C. Hwang, D. Mauri, and N. Staud	Magnetoresistive Sensor Having Antiferromagnetic Layer for Exchange Bias
5,315,498	M. A. Berrios and K. R. Covi	Apparatus Providing Leading Leg Current Sensing for Control of Full Bridge Power Supply
5,315,504	P. Lemble	Electronic Document Approval System
5,315,517	K. Kawase, S. Ishikawa, and S. Asaka	Machine with an Active Sensor
5,315,540	W. F. Lawless	Method and Hardware for Dividing Binary Signal by Non-Binary Integer Number
5,315,568	J. J. Dente, G. A. Jacquette, and W. C. Williams	Apparatus and Method for Accessing Sectors of a Rotating Disk
5,315,604	G. Chiu, R. N. Singh, and J. S. Wilczynski	Optical Structure for Adjusting the Peak Power of a Laser Beam
5,315,622	J.-C. Abbiate, A. Blanc, and G. Ungerboeck	Data Circuit Terminating Equipment (DCE) Including Timing Arrangements Circuits Controlled by Processing Means
5,315,667	T. Fujisaki, J. Kim, G. J. Leibman, and C. C. Tappert	On-line Handwriting Recognition Using a Prototype Confusability Dialog
5,315,679	C. F. Baldwin, D. B. Howe, and T. B. Kellerman	Optical Fibers Duplex Connector Assembly
5,315,701	P. D. DiNicola, J. Kantz, O. M. Rahim, D. A. Rice, and E. M. Ruddick	Method and System for Processing Graphics Data Streams Utilizing Scalable Processing Nodes
5,315,749	A. Nenadic, K. Furman, and R. W. Pasco	Method for Holding Substrates
5,315,751	R. Hammer	Method of Fabricating a Combined Linear-Rotary Direct Drive Step Motor
5,315,928	D. M. Bocinski, C. A. Kaufman, R. J. Kisacky, B. H. Kunz, L. A. Stone, J. Z. Raski, D. B. Schaefer, and D. A. Schmidt	Band Line Printer with Grooved Platen
5,316,235	D. G. East, S. L. Felde, P. Y. Hu, and G. S. Robles	Tape Cartridge with Mount Plate
5,316,281	R. E. Bale, J. M. Banks, M. R. Clearman, Jr., J. C. Colson, J. M. Crisp, D. C. Loose, and J. E. Varan	System and Method for Monitoring a Document Assembly System
5,316,573	V. A. Brusic, G. S. Frankel, T. A. Petersen, B. M. Rush, and A. G. Schrott	Corrosion Inhibition with Cu-BTA
5,316,615	M. W. Copel and R. M. Tromp	Surfactant-Enhanced Epitaxy
5,316,787	R. F. Frankeny and R. L. Imken	Method for Manufacturing Electrically Isolated Polyimide Coated Vias in a Flexible Substrate
5,316,788	E. P. Dibble, S. L. Hanakovic, V. R. Markovich, D. S. Niedrich, G. P. Vlasak, R. S. Zarr, and R. C. Senger	Applying Solder to High Density Substrates
5,316,803	R. T. White, Jr. and R. E. Ruane	Method for Forming Electrical Interconnections in Laminated Vias
5,316,958	B. S. Meyerson	Method of Dopant Enhancement in an Epitaxial Silicon Layer by Using Germanium
5,317,081	J. D. Gelorme, D. A. Lewis, and J. M. Shaw	Microwave Processing
5,317,183	C. R. Hoffman and J. M. Mullen	Substrate Noise Coupling Reduction for VLSI Applications with Mixed Analog and Digital Circuitry
5,317,190	A. J. Fleischman, N. E. Lustig, and R. G. Schad	Oxygen Assisted Ohmic Contact Formation to N-Type Gallium Arsenide
5,317,208	D. C. Banker, T. A. Carlson, J. A. Dorler, P. D. Hendricks, W. S. Klara, F. M. Masci, and J. R. Struk	Integrated Circuit Employing Inverse Transistors
5,317,306	R. L. Abraham and V. J. Osisek	System and Method for Dynamic Control of Horizontal Scrolling
5,317,338	W. I. Doxsey, J. J. Masten, Jr., R. M. Schroedl, and D. G. Will	Visual Measurement Technique and Test Pattern for Aperture Offsets in Photoplotters
5,317,462	Y. Kakizaki, H. Kitahori, and K. Takada	Cover Seal for Magnetic Disk Enclosure Having Stepped Mating Surfaces
5,317,477	J. B. Gillett	High Density Interconnection Assembly
5,317,528	E. Gofman	Random Number Generator
5,317,541	Y. H. Chan	Bit Decoder for Generating Select and Restore Signals Simultaneously
5,317,550	T. Semba	Apparatus and Method for Track Access

5,317,565	R. S. Crouse, J. J. Cazzolla, L. L. Chang, M. M. Hurtado, K. D. Nguyen, J. L. Rivero, J. J. Ruiz, and L. Salcedo	Method of Sequencing Bus Operations in a Simplex Switch
5,317,638	C. Y. Kao, J. P. Kuruts, and S. K. Kodukula	Performance Enhancement for ANSI X3.92 Data Encryption Algorithm Standard
5,317,657	A. R. Gallo, J. J. McDonough, G. J. Robbins, and R. R. Shaw	Extrusion of Polymer Waveguides onto Surfaces
5,317,676	S. M. Austvold, J. P. Bigus, J. D. Henckel, and P. A. Hospers	Apparatus and Method for Facilitating Use of a Neural Network
5,317,682	W. L. Luken, Jr.	Parametric Curve Evaluation Method and Apparatus for a Computer Graphics Display System
5,317,683	D. J. Hager, R. P. Resch, and C. G. Rose	Method and Apparatus for Automated Meeting Agenda Generation in a Data Processing System
5,317,687	R. J. Torres	Method of Representing a Set of Computer Menu Selections in a Single Graphical Metaphor
5,317,692	J. L. Ashton and K. E. Karlsson	Method and Apparatus for Buffer Chaining in a Communications Controller
5,317,695	J. Celi, Jr.	Method and System for Permitting Communication Between a Data Processing System and Input Pointing Devices of Multiple Types
5,317,696	R. B. Hilgendorf	Bus Arbitration Scheme
5,317,705	P. M. Gannon, P. H. Gum, R. E. Hough, and R. E. Murray	Apparatus and Method for TLB Purge Reduction in a Multi-level Machine System
5,317,716	L. Liu	Multiple Caches Using State Information Indicating If Cache Line Was Previously Modified and Type of Access Rights Granted to Assign Access Rights to Cache Line
5,317,722	W. O. Evans	Dynamically Adapting Multiple Versions on System Commands to a Single Operating System
5,317,728	G. J. Tevis and E. J. Waldo	Storage Management of a First File System Using a Second File System Containing Surrogate Files and Catalog Management Information
5,317,729	S. K. Mukherjee, J. L. Ryan, and J. R. Wason	Method for the Storage of Multi-versioned Data with Retrieval Based on Searched Query
5,317,730	R. E. Moore, M. K. Nix, and F. W. Shackelford	System for Modifying Persistent Database Based Upon Set of Data Elements Formed After Selective Insertion or Deletion
5,317,731	D. M. Dias, A. Goyal, and F. N. Parr	Intelligent Page Store for Concurrent and Consistent Access to a Database by a Transaction Processor and a Query Processor
5,317,739	D. A. Elko, J. A. Frey, J. F. Isenberg, Jr., J. M. Mick, J. P. Strickland, M. D. Swanson, A. A. Helffrich, and B. B. Moore	Method and Apparatus for Coupling Data Processing Systems
5,317,749	D. J. Dahlen	Method and Apparatus for Controlling Access by a Plurality of Processors to a Shared Resource
5,317,754	G. O. Blandy, L. C. Heller, and R. E. Murray	Method and Apparatus for Enabling an Interpretive Execution Subset
5,317,757	J. A. Medicke and P. Posharow	System and Method for Finite State Machine Processing Using Action Vectors
5,318,212	D. J. Becker, B. B. Hanson, D. E. Hora, and J. L. Peacock	Method and Apparatus for Manufacturing a Printed Circuit Card and Connector Assembly
5,318,663	T. N. Buti and J. F. Shepard	Method for Thinning SOI Films Having Improved Thickness Uniformity
5,318,687	S. A. Estes, T. B. Faure, and S. C. Nash	Low Stress Electrodeposition of Gold for X-ray Mask Fabrication
5,318,803	H. R. Bickford, D. A. Canfield, A. E. Graham, S. L. Tisdale, and A. Viehbeck	Conditioning of a Substrate for Electroless Plating Thereon