

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made.

Canada

2,057,318	A. J. Kerklaan	Jacketted circuit card
2,061,298	D. J. Mortson	Method for detecting critical failures during the building of complex computer programs from source code parts

France

444,376	H. A. Alaiwan	Mechanism for passing messages between several processors coupled through a shared intelligent memory
530,423	B. Vollmer, M. Rosso, and P. Scotton	Adaptive echo cancellation method and device for implementing said method

Germany

476,159	H. Kohler and N. Schumacher	Programmable neural logic device
511,423	B. Leppla, D. Schmunkamp, G. Knauff, and U. Weiss	Electrical circuit for generating pulse strings
4,424,396.0	F. Druschke, G. Elsner, H. Gruber, R. Braun, R. Diemer, R. Kratzert, W. Beck, and W. Schmid	Carrier element for use in chipcards or other data carrier cards
19,517,178.0	H. Schroeder and W. Brueggemann	Background clearing in electronically scanned pictures
19,532,842.6	M. Graulich and M. Vodegel	Recording system
69,215,090.0	K. Wagner-Drebenstedt, M. Schmidt, O. Torreiter, P. Rost, R. Vogt, and U. Diebold	Method and system for testing an integrated circuit featuring scan design

Japan

2,105,896	M. Nishihara and T. Sunaga	Four-state ROM state
2,106,065	Y. Nakayama	Device for line transformation
2,106,066	M. Gohda and N. Fujita	Optimized memory map generator by H/W
2,106,073	K. Mitsui and S. Shahram	A browsing user interface for information systems
2,106,074	H. Minakata and M. A. Ono	A pen-oriented object rotation method in 3D space using spherical coordinate system
2,106,083	A. Doi, K. Koyamada, and S. Uno	Fast ray traverse method for irregular grid data
2,109,586	G. Gohda and H. Komatsu	An optimal emulation for guest memory operations
2,110,832	H. Masuda, M. Numao, and S. Shimizu	A system and method for constructing solid models from orthographic views using non-manifold geometric modeling
2,110,836	H. Masuda and M. Numao	A solid model construction from sectional views
2,117,200	H. Minakata	Wireframe reconstruction method for sketch input
2,576,837	H. Noguchi, H. Usui, and K. Yonemochi	Eject mechanism for A4 note book/sub note book
2,577,510	K. Hidaka	A system for making and changing figures under constraints

2,577,525	M. Kobayashi, M. Mori, and R. Kataoka	Monitor-ID architecture
2,579,397	A. Yamashita and K. Toyokawa	Graphical user interface for making a layout model
2,579,426	F. U. Sai, M. Hasegawa, and Y. Yamada	Liquid crystal electrooptic device
2,579,427	M. Ikezaki, S. Kimura, and T. Koike	ESD free flat panel display
2,579,436	T. Yanagisawa	Interface using signal isolation mechanism for expansion unit
2,579,444	K. Fujii, T. Noguchi, and Y. Nakazawa	Jack subcard implementation for world wide modem
2,582,487	H. Nijima and Y. Sakaue	Control method and system for flash EEPROM solid state disk
2,583,009	K. Koyamada and T. Itoh	Algorithm for generating isosurfaces using extrema graph
2,584,179	S. Takayama	High permeability Fe-based alloy films
2,589,901	K. Kawase, S. Ishikawa, and S. H. Asaka	Multiple active range sensor system
2,589,933	T. Fujino, T. Sasakawa, and Y. Ishihara	Eject mechanism of PCMCIA card
2,589,963	K. Katoh and N. Kato	Sliding ground plane from notebook PC for antenna performance improvement
2,590,045	G. Ohsawa and H. Komatsu	A method of controlling message passing and execution orders dynamically on a distributed parallel system with multiple processors
United Kingdom		
463,252	K. Holmes	Message handling in data processing apparatus
United States		
5,561,805	C. T. Ho, J. Bruck, and S. Kipnis	Method for multi-packet routing of datablocks on a parallel system
5,561,806	G. L. Rouse, J. A. Fitchett, and T. J. Hahn	Serial channel adapter
5,561,809	A. A. Helffrich, B. B. Moore, D. A. Elko, J. A. Williams, J. F. Isenberg, J. M. Nick, and M. D. Swanson	In a multiprocessing system having a coupling facility, communicating messages between the processors and the coupling facility in either a synchronous operation or an asynchronous operation
5,561,820	D. Cronin, D. Moeller, L. M. Venarchick, P. M. Bland, and R. G. Hofmann	Bridge for interfacing buses in computer system with a direct memory access controller having dynamically configurable direct memory access channels
5,561,824	D. Doan, D. R. Nowlen, J. T. Brady, P. Bowser, P. P. Carreiro, and R. R. Fish	Storage management of data expansion transparent to a host
5,562,320	J. A. Bloomberg, J. A. Landor, M. W. Naughton, P. O. Johnson, and T. Tong	Gripper head
5,562,760	G. L. Ballard and J. G. Gaudiello	Plating bath, and corresponding method, for electrolessly depositing a metal onto a substrate, and resulting metallized substrate
5,562,770	B. Chen, S. Kulkarni, and T. Hook	Semiconductor manufacturing process for low dislocation defects
5,562,778	D. R. Vigliotti, R. Koretsky, and R. J. Von Gutfeld	Ultrasonic jet semiconductor wafer cleaning apparatus
5,563,012	M. O. Neisser	Multi mask method for selective mask feature enhancement
5,563,086	C. L. Bertin, E. L. Hedberg, G. A. Kelley, H. L. Kalter, and W. J. Howell	Integrated memory cube, structure and fabrication
5,563,105	D. Dobuzinsky, J. G. Ryan, M. J. Shapiro, S. V. Nguyen, and T. Matsuda	Method of depositing fluorine doped oxide
5,563,273	A. Viehbeck, M. Goldberg, R. Iyengar, S. L. Buchwalter, and T. R. O'Toole	Covalent compound having a radical-cationic moiety covalently linked to a radical anionic-moiety
5,563,428	A. Powell, B. A. Ek, F. Guarin, S. M. Gates, and S. S. Iyer	Single crystal semiconductor on a substrate and method for formation thereof
5,563,517	D. Boyne, G. A. Biery, K. P. Rodbell, M. H. Wood, and R. G. Smith	Dual channel D.C. low noise measurement system and test methodology
5,563,540	D. J. Ashley and M. J. Johnson	Electronic switch having programmable means to reduce noise coupling
5,563,552	J. E. Gersbach and M. Hayashi	System and method for calibrating damping factor of analog PLL
5,563,583	A. Schrott, H. Heinrich, M. J. Brady, P. Chaudhari, P. A. Moskowitz, R. J. Gambino, and R. J. Von Gutfeld	Multibit magnetic radio frequency tag using micromechanics
5,563,595	O. Strohacker	Method and apparatus for compressing data
5,563,625	S. M. Scott	Fast 180 degree image rotation and reversal
5,563,720	A. Edgar and S. C. Penn	Expert system for image enhancement
5,563,749	B. W. Bicknese, D. W. Johnson, J. F. Boigenzahn, J. M. Rigotti, J. T. Coffey, M. A. Schlimmer, R. E. Lagergren, R. J. Bornhorst, and T. P. Fracek	Direct access storage device with opposing actuator and spindle flanges to reduce disk-to-disk spacing (as amended)
5,563,758	E. D. Dembrosky, M. DeMoor, and R. S. Malik	Circuit to permit three phase input power supply to operate when one phase drops out and provide lightning protection

5,563,805	M. L. Williams and T. R. Arbuckle	Multimedia context-sensitive real-time-help mechanism for use in a data processing system
5,563,818	A. A. Bjorksten, F. G. Gustavson, and R. C. Agarwal	Method and system for performing floating point operations
5,563,833	A. L. Roberts, G. S. Koch, J. Connor, J. J. Covino, J. R. Sousa, L. Ternullo, R. C. Flaker, and R. D. Adams	Using one memory to supply addresses to an associated memory during testing
5,563,865	A. R. Wheeler	Compact disk transport tray moved by a disk reading mechanism
5,563,871	E. R. Childers, R. A. Bargerhuff, and R. W. Lissner	Miniature rotary actuator with bias force
5,563,875	L. T. Huynh, T. Hefel, and T. P. McSweeney	Wrap-around route testing in packet communications networks
5,563,878	B. C. Housel, D. B. Blakeley, J. R. Hind, and W. A. Kingston	Transaction message routing in digital communication networks
5,563,946	J. Nagda, R. F. Pryor, and T. E. Cooper	Method and apparatus for enabling trial period use of software products: Method and apparatus for passing encrypted files between data processing systems
5,563,950	R. J. Easter and W. A. Merz	System and methods for data encryption using public key cryptography
5,563,990	C. Narayanaswami	Method and apparatus for processing a pick event
5,564,002	K. Brown	Method and apparatus for implementing a virtual desktop through window positioning
5,564,003	B. McKee, K. Varga, L. K. Bell, and T. T. Nguyen	Batch registration of object classes
5,564,004	B. M. Grossman, C. A. Pickover, D. Winarski, J. G. McLean, and M. S. Schwartz	Method and system for facilitating the selection of icons
5,564,008	D. J. Foster	An enhanced processor buffered interface for multiprocessor systems
5,564,011	G. A. Yammine and G. L. Morris	System and method for maintaining file data access in case of dynamic critical sector failure
5,564,017	S. M. French and V. E. Corn	Procedure for safely terminating network programs during network logoff
5,564,018	D. Flores, G. Vega-Toro, L. Lachman, M. D. Smith, and W. J. Johnson	System for automatically distributing selected mail item to selected user associated with office location within physical office floor
5,564,019	C. R. Berghorn, J. A. Hupcey, S. Schlosser, and W. F. Beausoleil	Shared direct access storage device for fixed block architecture devices
5,564,026	G. N. Santos, N. Amini, and V. Kohli	Bus-to-bus pacing logic for improving information transfers in a multi-bus information handling system
5,564,027	B. C. Drerup, H. Q. Bui, and S. E. Curry	Low-latency cadence selectable interface for data transfers between busses of differing frequencies
5,564,038	J. A. Grantz and J. R. Ure	Method and apparatus for providing a trial period for a software license product using a date stamp and designated test period
5,564,040	J. P. Kubala	Method and apparatus for providing a server function in a logically partitioned hardware machine
5,564,042	S. T. Ventrone and T. J. Vonreyn	Asynchronous clock switching between first and second clocks by extending phase of current clock and switching after a predetermined time and appropriated transitions
5,564,047	W. Bloem and W. Bruls	Trigger generation in an active database management system
5,564,050	A. J. Fogarasi and R. J. Barber	System and method for enabling an interpreted programming language to be executed in a database management system environment
5,564,054	A. Bramnick, D. G. Elkins, and J. R. Ure	Fail-safe computer boot apparatus and method
5,564,062	P. J. Meaney and P. K. Mak	Resource arbitration system with resource checking and lockout avoidance
5,564,113	D. Bergen, D. Fogle, H. Spickhoff, and H. H. Hall	Computer program product and program storage device for rendering relational database management system differences transparent
5,565,031	C. Cabral, J. M. Harper, J. O. Chu, and K. K. Chan	Method for low temperature selective growth of silicon or silicon alloys
5,565,033	G. D. Oxx, Jr., J. M. Zalesinski, M. A. Gaynes, and M. V. Pierson	Application of bonding agents for interconnection of components to carriers
5,565,040	D. D. Hare, F. P. Donlan, Jr., J. D. Jones, R. F. Nelson, R. J. Moore, and T. L. Miller	Fluid treatment apparatus and method
5,565,060	H. Linde, J. S. Nakos, and L. Austin	Methods and compositions for the selective etching of silicon
5,565,119	J. Funari, J. R. Behun, J. R. Young, and P. A. Chalco	Method and apparatus for soldering with a multiple tip and associated optical fiber heating device
5,565,236	J. M. Harper, R. J. Gambino, T. R. McGuire, and T. S. Plaskett	Method of forming a giant magnetoresistance sensor
5,565,286	B. J. Lin	Combined attenuated-alternating phase shifting mask structure and fabrication methods therefor

5,565,386	M. D. Bolliger	Method for connecting to integrated circuitry
5,565,529	E. D. Babich, J. M. Shaw, J. R. Paraszcak, M. Hatzakis, R. P. McGouey, and S. L. Nunes	Dielectric structures having embedded gap filling RIE etch stop polymeric materials of high thermal stability
5,565,707	E. Colgan, J. F. White, K. P. Rodbell, and P. A. Totta	Interconnect structure using A12CU for an integrated circuit chip
5,565,798	C. M. Durham and P. J. Klim	Self-timed control circuit for self-resetting logic circuitry
5,565,808	T. Lo	Latch control circuit
5,565,816	P. W. Coteus	Clock distribution network
5,565,847	A. Schrott, R. J. Gambino, and R. J. Von Gutfeld	Magnetic tag using acoustic or magnetic interrogation
5,565,888	E. J. Selker	Method and apparatus for improving visibility and selectability of icons
5,565,894	B. T. Watts and C. Bates	Dynamic touchscreen button adjustment mechanism
5,566,015	K. A. Puzey	Optical demultiplexer
5,566,097	J. D. Myers and J. L. Rivero	System for optimal electronic debugging and verification employing scheduled cutover of alternative logic simulations
5,566,098	N. J. Lee, P. S. Balasubramanian, R. Sapper, and S. A. Lucente	Rotatable pen-based computer with automatically reorienting display
5,566,121	K. R. White and S. J. Hadderman	A method for PCMCIA card function using DRAM technology
5,566,161	K. A. Bates and M. Mansuripur	Optical devices having array detectors with light receiving photo array larger than an in laser beam cross section
5,566,177	A. G. MacInnis, I. S. Bhandari, and R. Rajkumar	Priority-based arbitrator on a token-based communication medium
5,566,178	A. S. Butter, C. Y. Kao, and J. P. Kuruts	Method and system for improving the performance of a token ring network
5,566,292	M. C. Krembs	Methods for detecting the closest existing point on a spline or polyline
5,566,297	A. Mohindra, M. Devarakonda, and W. Kish	Non-disruptive recovery from file server failure in a highly available file system for clustered computing environments
5,566,305	S. B. Levenstein	Duplicated logic and interconnection system for arbitration among multiple information processors
5,566,310	J. M. Mathewson	Computer program product for improving 3270 data stream performance by reducing transmission traffic
5,566,317	J. Haswell, M. Yamaguchi, R. K. Treiber, and S. W. Ng	Method and apparatus for computer disk drive management
5,566,329	P. G. Gassner, P. J. Gainer, and T. J. Lehman	System and method for mutation of selected assignment operations on large data objects
5,566,332	B. G. Lindsay, D. J. Coyle, J. G. Adair, M. R. Zimowski, P. G. Selinger, R. A. Reinsch, R. J. Grafe, and R. P. Resch	Method and combination for minimizing data conversions when data is transferred between a first database storing data in a first format and a second database storing data in a second format
5,566,342	C. B. Stunkel, D. G. Grice, M. M. Denneau, and P. H. Hochschild	Scalable switch wiring technique for large arrays of processors
5,566,348	A. Diaz, E. R. Morse, K. F. Day, and K. G. Dahman	System for adaptively optimizing automated optical library management
5,566,351	C. A. Schwendiman and J. M. Crittenden	Adaptive polling system by generating sequence of polling signals whose magnitudes are functionally related to the occurrence of the busy signals
5,566,424	D. Crompton, G. D. Hufford, H. G. Leonard, J. D. Thomas, and R. H. Harris	Tilt adjustment mechanism
5,566,448	A. Bhatt, J. A. Knight, J. P. Walsh, and T. P. Duffy	Method of construction for multi-tiered cavities used in laminate carriers
5,567,149	D. Neff, D. Rock, J. A. Walker, R. Hansotte, and R. Wanser	Exhaust system for high temperature furnace
5,567,300	M. Datta and T. R. O'Toole	Electrochemical metal removal technique for planarization of surfaces
5,567,304	L. T. Romankiw, M. Datta, and R. Shenoy	Elimination of island formation and contact resistance problems during electroetching of blanket or patterned thin metallic layers on insulating substrate
5,567,484	A. C. Tam, A. W. Wu, H. V. Nguyen, P. Baumgart, T. A. Nguyen, and W. P. Leung	Process for texturing brittle nonmetallic surfaces such as glass disks
5,567,553	C. M. Hsieh, J. A. Mandelman, L. Hsu, L. R. Logan, and S. Ogura	Method to suppress subthreshold leakage due to sharp isolation corners in submicron FET structures
5,567,569	A. Aviram, D. Bucca, D. E. Seeger, W. Brunsvold, and W. E. Conley	Process for producing a positive pattern utilizing naphtho quinone diazide compound having non-metallic atom directly bonded to the naphthalene ring
5,567,625	J. M. Kurtzberg and J. S. Lew	Apparatus and method for real-time spectral deconvolution of chemical mixtures

5,567,635	A. Acovic, B. S. Wu, and C. H. Hsu	Method of making a three dimensional trench EEPROM cell structure
5,567,653	C. L. Bertin, D. J. Perlman, and J. E. Cronin	Cube wireability enhancement with chips to chip alignment and thickness control
5,567,654	C. L. Bertin, D. J. Perlman, J. E. Cronin, J. M. Leas, K. E. Beilstein, and W. J. Howell	Method and workpiece for connecting a thin layer to a monolithic electronic module surface and associated module packaging
5,567,884	A. Zubelewicz, G. T. Dickinson, J. L. McGinniss, Jr., and R. F. Tokarz	Circuit board assembly torsion tester and method
5,567,984	A. J. Emerick and J. M. Zalesinski	Process for fabricating an electronic circuit package
5,568,055	F. W. Olsen	Adiabatic conductor analyzer method and system
5,568,064	G. E. Beers, M. M. Smadi, and R. F. Frankeny	Bidirectional transmission line driver/receiver
5,568,075	B. W. Curran and R. X. Blanco	Timing signal generator
5,568,076	A. R. Pelella and Y. H. Chan	Method of converting short duration input pulses to longer duration output pulses
5,568,097	G. R. Woodman	Ultra high availability clock chip
5,568,181	D. B. Lindquist and D. G. Greenwood	Multimedia distribution over wide area networks
5,568,302	K. A. Puzey	Method of transmitting data via an optical data link
5,568,335	H. Santini and R. E. Fontana	Narrow gap magnetoresistive read head
5,568,380	C. Spencer, D. A. Rickard, D. L. Stanley, J. LeBlanc, J. S. Bialas, Jr., S. A. King, and T. B. Brodnax	Shadow register file for instruction rollback
5,568,383	M. D. Smith, M. L. Williams, and W. J. Johnson	Language fidelity translation mechanism
5,568,401	C. Narayanaswami	System and method for transforming program code for efficient pixel processing
5,568,433	M. Kumar	Memory array having redundant word line
5,568,465	G. A. Jaquette and R. A. Hutchins	Reading from record medium in either an inverted or non-inverted signal-processing mode
5,568,471	J. G. Wacławsky and P. C. Hershey	System and method for a workstation monitoring and control of multiple networks having different protocols
5,568,525	C. L. Haymes, D. T. Ulmer, and R. H. Denijs	System and method for connection of multiple protocol terminals
5,568,526	D. Casper, F. D. Ferraiolo, R. C. Jordan, R. S. Capowski, and W. Laviola	Self timed interface
5,568,605	J. H. Zeiger, J. S. Graham, and R. D. Clouston	Resolving conflicting topology information
5,568,606	J. J. Dobbek	Adaptive skew for spindle synchronization of a disk drive
5,568,611	B. Khatri, C. M. Merkin, D. E. Mayer, F. K. Marx, and I. Vila	Unauthorized-access monitor
5,568,616	C. Narayanaswami	System and method for dynamic scheduling of three-dimensional graphics rendering using virtual packet length reduction
5,568,619	A. Cohen, C. M. Merkin, J. W. Blackledge, and S. Katz	A generalized method for defining PCI to micro channel bridge configuration space
5,568,631	C. F. Webb	Multiprocessor system with a shared control store accessed with predicted addresses
5,568,648	A. S. Coscarella, J. L. Temple III, and M. W. Sachs	Indirect addressing of channels via logical channel groups
5,569,501	A. C. Callegari, A. T. Pomerene, C. Scherpereel, D. Buchanan, D. C. La Tulipe, D. E. Seeger, D. G. Flagello, F. Bailey, F. E. Doany, H. Clearfield, H. J. Hovel, J. M. Shaw, N. Lustig, and S. Purushothaman	Diamond-like carbon films from a hydrocarbon helium plasma
5,569,506	A. W. Wu, C. Jahnes, J. H. Kaufman, M. Mirzamaani, and S. Metin	Magnetic recording disk and disk drive with improved head-disk interface
5,569,570	P. L. Balzer	Automated mask alignment for UV projection expose system
5,569,731	H. Linde, R. A. Previti-Kelly, and T. J. Reen	Thermostable coating materials
5,569,739	A. Viehbeck, E. Adamopoulos, G. F. Walker, J. Kim, J. J. Ritsko, J. M. Shaw, K. W. Lee, S. Purushothaman, T. R. O'Toole, and T. S. Oh	Adhesive layer in multi-level packaging and organic material as a metal diffusion barrier
5,569,895	E. R. Veals, K. H. Myers, R. A. Smith, R. C. Lynch, and W. L. Talley	I/O assembly for use with point of sale terminals and other computing systems
5,569,950	C. Narayan and D. Lewis	Device to monitor and control the temperature of electronic chips to enhance reliability
5,569,973	S. M. Zimmerman	Process and structure of an integrated vacuum microelectronic device

5,570,089	L. C. Haas	Method and apparatus for providing data stream for cost effective transmission links
5,570,111	J. D. Rutledge, R. C. Barrett, and R. S. Olyha	Graphical user interface cursor positioning device having a negative inertia transfer function
5,570,113	J. M. Zetts	Computer based pen system and method for automatically cancelling unwanted gestures and preventing anomalous signals as inputs
5,570,247	D. H. Brown, E. A. Cunningham, T. C. Christensen, and W. A. Rogelstad	Self servo writing file
5,570,249	A. Aoyagi and O. J. Ruiz	Transducer suspension system
5,570,261	A. P. Giorgi, N. K. Frater, and O. J. Ruiz	Transducer suspension system
5,570,268	E. T. Selker and W. Baier	Stowable wrist rest for portable computers
5,570,281	R. E. Berry	Method and system for facilitating visual connections between objects using handles
5,570,337	C. H. Dang	Modular independent libraries interconnected by a common media exchange and input apparatus
5,570,356	D. W. Finney, M. Rayfield, and M. O. Jenkins	High bandwidth communications system having multiple serial links
5,570,405	J. G. Hartley, K. T. Chan, M. A. Sturans, and W. A. Enichen	Registration and alignment technique for X-ray mask fabrication
5,570,460	G. Ramanujam	System and method for volume rendering of finite element models
5,570,815	B. Ramsay	Photo apply tools/chemical delivery system
5,571,106	H. Coufal and R. K. Grygier	Surgical cutting instrument
5,571,417	A. C. Bhatt, G. S. Ksenak, J. A. Shurtleff, J. J. Wagner, and K. I. Papathomas	Method for treating photolithographic developer and stripper waste streams containing resist or solder mask and gamma butyrolactone or benzyl alcohol
5,571,591	M. J. Brady, R. J. Gambino, and R. R. Ruf	Magnetic film patterning by germanium or silicon diffusion
5,571,593	B. J. Cayson, C. M. Boyko, I. S. Mahmoud, J. D. Kulesza, J. F. Muska, J. G. Sabia, J. M. Lauffer, K. I. Papathomas, P. C. Liu, R. A. Schumacher, R. L. Arldt, R. M. Kozlowski, and V. R. Markovich	Via fill compositions for direct attach of devices and methods for applying same
5,571,743	W. Hwang and W. H. Henkels	Method of making buried-sidewall-strap two-transistor one-capacitor trench cell
5,571,754	C. L. Bertin, H. L. Kalter, and W. J. Howell	Endcap chip with conductive monolithic L-connect for multichip stack, and fabrication methods therefor
5,571,852	A. Afzali, A. Mehta, A. Viehbeck, B. E. Braren, E. Foster, J. Ayala-Esquilin, J. C. Hedrick, J. L. Hedrick, J. M. Shaw, R. T. Hodgson, S. Daijavad, S. Molis, and S. L. Tisdale	Fluorinated carbon polymer composites
5,571,991	A. W. Mueller, E. A. Highum, E. E. Stadler, S. M. Thorvilson, and T. W. Nash	Electro-magnetic shield and method for making the same
5,572,150	N. Rohrer and P. Kartschoke	Low power pre-discharged ratio logic
5,572,207	E. R. Swiatek, J. L. Mace, and S. S. Harding	Method and apparatus for numeric-to-string conversion
5,572,209	A. A. Wilson and H. R. Farmer	Method and apparatus for compressing and decompressing data
5,572,236	E. Feig and E. Linzer	Digital image processor for color image compression
5,572,339	A. Edgar and S. C. Penn	Film scanning system and method
5,572,352	G. Miracle, P. Potvin, and Q. J. Carbone	Apparatus for repowering and monitoring serial links
5,572,387	D. J. Wanek, J. B. Brown, J. T. Coffey, and W. W. Brooks, Jr.	Low profile head suspension assembly with load and unload capability
5,572,392	E. V. Denison, H. G. Kluge, J. A. Aboaf, J. D. Friedman, and V. N. Kahwaty	Arbitrary pattern write head
5,572,395	F. K. Yu and T. M. Rasmus	Circuit for controlling current in an adapter card
5,572,398	D. R. Wright, L. Chen, and P. Federlin	Tri-polar electrostatic chuck
5,572,405	J. W. Wilson, S. P. Moore, and S. R. Engle	Thermally enhanced ball grid array package
5,572,526	A. Slater, I. Cidon, L. Georgiadis, R. Guerin, and Y. Shavitt	Method and apparatus for improved throughput in a multi-node communication system with a shared resource
5,572,534	A. D. Walker and B. S. Trubey	Method for merging wrapped media segments onto a working network
5,572,590	D. M. Chess	Discrimination of malicious changes to digital information using multiple signatures
5,572,608	A. Edgar	Sinc filter in linear lumen space for scanner

5,572,637	J. R. Brown and P. J. Rich	CAD vector file merge process
5,572,645	A. Dan and D. Sitaram	Buffer management policy for an on-demand video server
5,572,647	J. A. Blades	Visibility seeking scroll bars and other control constructs
5,572,672	J. E. DeWitt, J. H. Summers, S. L. Emrick, and T. M. Holck	Method and apparatus for monitoring data processing system resources in real time
5,572,695	B. D. Mandalia, D. Arias, J. Sinibaldi, J. M. Linger, L. P. Andrews, and O. E. Ortega	Transparent memory mapping mechanism for a digital signal processing system
5,572,736	B. W. Curran	Method and apparatus for reducing bus noise and power consumption
5,573,623	E. H. Ratzlaff, L. Li, S. G. Barbee, and T. F. Heinz	Method and apparatus for contactless real-time in-situ monitoring of a chemical etching process
5,573,624	E. H. Ratzlaff, J. Wong, L. Li, S. G. Barbee, T. F. Heinz, and Y. Hsiao	A chemical etch monitor for measuring film etching uniformity during a chemical etching process
5,573,633	J. P. Gambino, L. A. Nesbit, and M. Jaso	Method of chemically mechanically polishing an electronic component
5,573,875	D. P. Pulaski and L. H. Kaplan	Laser ablation mask and method of fabrication
5,573,964	J. F. Shepard, L. Hsu, and M. J. Saccamango	Thin film transistor with a self-aligned bottom gate
5,574,294	J. F. Shepard	Vertical dual gate thin film transistor with self-aligned gates/offset drain
5,574,602	A. Chliwnyj, J. F. Crossland, K. Cheung, R. C. Baca, and W. T. Comeaux	Processing servo signals concurrently read from plural spaced-apart servo areas for a magnetic tape having serpentine data track scanning
5,574,604	D. Meyer, H. H. Ottesen, J. L. Neubauer, J. M. Mosbrucker, L. Berg, T. S. Larson, and Z. E. Boutaghou	Inner diameter disk drive head/slider load/unload device
5,574,605	B. Dieny, B. A. Gurney, D. R. Wilhoit, P. Baumgart, and V. S. Speriosu	Antiferromagnetic exchange coupling in magnetoresistive spin valve sensors
5,574,630	D. N. Light, J. S. Kresge, and T. Y. Wu	A laminated electronic package including a power/ground assembly
5,574,665	A. Narasimhan	Receiver apparatus and method for frequency tagging
5,574,736	P. B. Bandy	Data storage device and method of operation
5,574,786	P. E. Newman and R. A. Dayan	Securing trusted personal computer system against unauthorized movement
5,574,798	T. D. Greer and W. F. Phillips	Visual presentation system which determines length of time to present each slide or transparency
5,574,844	A. K. Mohanty and F. Parpia	Computer system and method for processing atomic data to calculate and exhibit the properties and structure of matter
5,574,882	J. Riegel, J. C. Wyllie, and J. M. Menon	System and method for storing data in a storage array system
5,574,897	D. L. Hermsmeier, G. R. Ricard, J. J. Vriezen, and L. W. Youngren	System managed logging of objects to speed recovery processing
5,574,900	D. T. Huang, E. T. Lin, and Y. Wang	System and method for optimizing parallel processing of database queries
5,574,905	L. A. DeCarmo	A software mechanism for providing multimedia editing and data recovery
5,574,906	R. J. Morris	System and method for reducing storage requirement in backup subsystems utilizing segmented compression and differencing
5,574,911	R. J. Relyea, S. H. Goldberg, and S. J. D'Angelo	Multimedia group resource allocation system
5,574,921	B. W. Curran	Method and apparatus for reducing bus noise and power consumption
5,574,938	D. W. Westcott, N. G. Bartow, and S. Goss	Allowed operational-link transceiver table verifies the operational status of transceivers in a multiple conductor data transmission link
5,574,945	A. A. Helffrich, D. A. Elko, G. A. Goldrian, S. N. Goss, and T. A. Gregg	Multi-channel inter-processor coupling facility processing received commands stored in memory absent status error of channels
5,574,950	A. R. Qureshi, B. W. Holley, J. L. Iskiyan, R. Hathorn, and W. F. Micka	Remote data shadowing using a multimode interface
5,576,099	D. F. Canaperi, D. L. Rath, L. T. Romankiw, M. Krishnan, and S. Krongelb	Inductive head lamination with layer of magnetic quenching material
5,576,246	A. J. Gregoritsch, E. J. White, F. Froebel, H. W. Conru, J. G. Pohl, R. R. Uttecht, S. Starr, and S. C. Rieley	Personalized area leadframe coining of half etching for reduced mechanical stress at device edge
5,576,566	D. Kenney	Semiconductor trench capacitor cell having a buried strap
5,576,644	A. R. Pelella	AST edge triggered self-resetting CMOS receiver with parallel L1/L2 (master/slave) latch
5,576,651	L. B. Phillips	Static/dynamic flip-flop
5,576,765	C. H. Ngai, D. P. Cheney, J. Phillips, R. T. Pfeiffer, and V. C. Conzola	Video decoder

5,576,877	D. C. Bogdan, D. L. Pearl, D. T. Pribula, G. W. Hutt, M. I. Hussain, and N. R. Aulet	Automated system, and corresponding method, for measuring receiver signal detect threshold values of electro-optic modules
5,576,905	J. A. Koski, J. L. Garcia, and P. Y. Hu	Servo control of bi-directional reel-to-reel tape drivers using fine-line tachometers with index lines
5,576,908	A. Aoyagi, G. A. Garfunkel, H. Terashima, H. Yanagisawa, K. Kuroki, and M. P. Salo	Actuator and file level initialization of magnetoresistive transducers
5,577,078	D. Casper, F. D. Ferraiolo, P. R. Tomaszewski, R. C. Jordan, R. S. Capowski, and W. Laviola	Edge detector
5,577,125	A. Salahshour and M. L. Williams	Graphical manipulation of encryption
5,577,169	R. Prezioso	Fuzzy logic entity behavior profiler
5,577,192	D. C. Frank, T. P. Niederer, and W. R. Lee	Frame register switching for a video processor
5,577,193	E. Butler and R. Sasaki	Multiple data registers and addressing technique therefore for block/flash writing main memory of a DRAM/VRAM
5,577,220	D. T. Crump, J. L. Combs, and S. Pancoast	Method for saving and restoring the state of a CPU executing code in protected mode
5,577,222	C. W. Mikkelsen, R. Shomler, and W. F. Micka	Remote data duplexing asynchronous information packet message
5,577,231	C. A. Scalzi and W. J. Starke	Storage access authorization controls in a computer system using dynamic translation of large addresses
5,577,244	A. J. Killebrew and C. F. Mann	Methods of applying software modifications
5,577,249	A. Califano	Method for finding a reference token sequence in an original token string within a database of token strings using appended non-contiguous substrings
5,577,262	G. G. Pechanek, J. G. Delgado-Frias, and S. Vassiliadis	Parallel array processor interconnections
5,578,151	G. Andris and J. P. Gauci	Manufacture of a multi-layer interconnect structure
5,578,796	A. Bhatt, G. A. Hackett, J. McKeveny, and T. P. Duffy	Apparatus for laminating and circuitizing substrates having opening therein
5,578,854	B. Chen and G. S. Starkey	A vertical load resistor SRAM cell
5,578,939	G. E. Beers, M. M. Smadi, R. Frankeny, and R. F. Frankeny	Bidirection transmission line driver/receiver
5,579,033	E. J. Selker and J. D. Rutledge	Pointing device for retrofitting onto the keyboard of an existing computer system
5,579,145	D. C. Bogdan, D. L. Pearl, D. T. Pribula, G. W. Hutt, M. I. Hussain, and N. R. Aulet	Automated system, and corresponding method, for testing electro-optic modules
5,579,297	E. R. Childers, J. S. Drier, and M. Henry	Optical data storage cartridge system
5,579,337	G. M. Grinstein and N. Gershenfeld	System employing dissipative pseudorandom dynamics and selective feedback for communications and measurement
5,579,441	J. D. Bezek and P. M. Kogge	Refraction algorithm for production systems with content addressable memory
5,579,461	A. Saha	Method and apparatus for filling polygons
5,579,471	B. J. Beitel, D. Petkovic, P. C. Yanker, R. J. Barber, T. R. Work, W. Equitz, and W. Niblack	Image query system and method
5,579,475	J. Bruck, J. M. Menon, J. T. Brady, and M. Blaum	Method and means for encoding and rebuilding the data contents of up to two unavailable DASDs in a DASD array using simple non-recursive diagonal and row parity
5,579,481	B. C. Drerup	Stylus-controlled data transfer
5,579,509	D. A. Furtney, D. L. Simonson, and M. E. Ingebretson	Apparatus and method for verifying compatibility of system components
5,579,514	J. Turek and P. S. Yu	Methodology for increasing the average run length produced by replacement selection strategy in a system consisting of multiple, independent memory buffers
5,579,717	D. J. Seagle, D. W. Crandell, and H. P. Lee	Method of grinding thin-film magnetic heads using optical grinding markers
5,579,792	D. Stanasolovich, R. A. Warren, and W. A. Syverson	Apparatus for uniform cleaning of wafers using megasonic energy
5,580,602	A. F. Renaldo and D. R. McKean	Process for making a thin film magnetic head
5,580,694	G. M. Wallraff, R. A. Di Pietro, and R. D. Allen	Photoresist composition for deep ultraviolet radiation and process for its use
5,581,021	C. K. Lee, K. Flechsig, S. L. Lee, T. O'Sullivan, and U. V. Nayak	Method and apparatus for optimizing piezoelectric surface asperity detection sensor
5,581,071	C. F. Pells, C. L. Chen, M. Y. Hsiao, S. K. O'Trakoun, and W. W. Shen	Bar code scanner with adjustable light source intensity
5,581,073	K. R. Shelley and S. L. Felde	Machine and human readable label for data cartridge

5,581,101	B. S. Wu and T. H. Ning	FET and/or bipolar devices formed in thin vertical silicon on insulator (SOI) structures
5,581,420	E. J. Yarmchuk, T. J. Chainer, and W. J. Sohn	A method and system for determining a radial positioning valve used for writing tracks at a desired track pitch
5,581,427	D. J. Werner, J. S. Feng, and M. T. Krounbi	Peak enhanced magnetoresistive read transducer
5,581,540	C. H. Dang	Single disk write protection system for multiple-disk cartridge
5,581,576	A. Lanzetta and L. S. Mok	Radio information broadcasting and receiving systems
5,581,625	J. H. Connell	Stereo vision system for counting items in a queue
5,581,703	A. P. Stephens, G. L. Morris, M. J. Baugher, and P. Y. Chang	Method and apparatus for reserving system resources to assure quality of service
5,581,710	F. E. Noel, K. D. Schultz, and T. E. Stammely	Full duplex communication on a single communication ring
5,581,715	G. N. Santos, N. Amini, and V. Kohli	Bus-to-bus prefetch logic for improving information transfers in a multi-bus information handling system
5,581,734	D. A. Hicks, G. M. Lattimore, H. Youssef, K. So, and M. T. DiBrino	Multiprocessor system with shared cache and data input/output circuitry for transferring data amount greater than system bus capacity
5,581,737	A. A. Helffrich, D. A. Elko, D. J. Dahlen, J. M. Nick, R. King, S. Palmer, and W. W. Wilkinson	Method and apparatus for expansion, contraction, and reapportionment of structured external storage structures
5,581,741	A. R. Clark and S. Kodukula	Programmable unit for controlling and interfacing of I/O busses of dissimilar data processing systems
5,581,743	D. A. Burton and R. L. Morton	CKD to fixed block mapping for optimum performance and space utilization
5,581,750	D. J. Haderle and J. Z. Teng	System and method for improving data recovery performance
5,581,758	C. Burnett and G. L. Haas	A computer program product for managing a distributed database system
5,581,765	A. Sirjani, E. E. Voldal, and S. J. Munroe	System for combining a global object identifier with a local object address in a single object pointer
5,581,769	M. T. Wheatley and W. D. Wallace	Multipurpose program object linkage protocol for upward compatibility among different compilers
5,582,411	P. S. Tyler	Scavenging compound infiltrated gasket
5,582,746	E. H. Ratzlaff, J. Wong, L. Li, S. G. Barbee, T. F. Heinz, and Y. Hsiao	Real time measurement of etch rate during a chemical etching process
5,582,858	A. Viehbeck, E. Adamopoulos, G. F. Walker, J. Kim, J. J. Ritsko, J. M. Shaw, K. W. Lee, S. Purushothaman, T. R. O'Toole, and T. S. Oh	Adhesive layer in multi-level packaging and organic material as a metal diffusion barrier
5,582,860	C. H. Tsang, F. A. Houle, and R. E. Fontana	Method for producing thin film magnetic structure
5,582,927	B. Petek, J. D. Olsen, J. W. Chang, L. T. Romankiw, P. C. Andricacos, and W. J. Horkans	High magnetic moment materials and process for fabrication of thin film heads
5,583,059	J. Burghartz	Fabrication of vertical SiGe base HBT with lateral collector contact on thin SOI
5,583,368	D. Kenney	Stacked devices
5,583,510	A. Lanzetta, B. P. Gaucher, and S. Ponnappalli	Planar antenna in the ISM band with an omnidirectional pattern in the horizontal plane
5,583,652	M. S. Ware	Synchronized variable-speed playback of digitally recorded audio and video
5,583,722	L. K. Dorius and L. S. Samuelson	Negative pressure slider with optimized leading pocket for profile control
5,583,725	B. Gurney, D. Mauri, D. E. Heim, D. R. Wilhoit, H. Lefakis, K. R. Coffey, and V. S. Speriosu	Spin valve magnetoresistive sensor with self-pinned laminated layer and magnetic recording system using the sensor
5,583,727	S. S. Parkin	Multiple data layer magnetic recording data storage system with digital magnetoresistive read sensor
5,583,805	C. H. Olson, R. T. Golla, T. A. Elliott, and T. M. Potter	Floating point processor having post-writeback spill stage
5,584,002	J. H. Pomerene, J. W. Knight, K. N. Langston, P. G. Emma, and T. R. Puzak	Cache remapping using synonym classes
5,584,013	D. A. Hicks, H. Cheong, and K. So	Method and system for improving cache performance in a data processing system
5,584,033	B. L. Beukema, D. F. Moertl, W. Barrett, and W. E. Hammer	Apparatus and method for burst data transfer employing a pause at fixed data intervals
5,584,039	A. Marron, A. S. Meritt, and F. E. Johnson	System and method for coupling channel programs without host processor involvement
5,584,042	A. H. Preston, M. Kim, R. L. Cormier, and S. G. Glassen	Dynamic I/O data address relocation facility

5,584,617	D. E. Houser	Single flute drill for drilling holes in printed circuit boards and method of drilling holes in a printed circuit board
5,585,220	D. C. Hofer, G. Breyta, H. Ito, and R. A. Di Pietro	Resist composition with radiation sensitive acid generator
5,585,600	D. L. Gardell, F. Froebel, G. Irish, and M. Shaikh	Encapsulated semiconductor chip module and method of forming the same
5,585,629	H. A. Khoury, J. D. Rockrohr, P. F. Petric, R. A. Kendall, R. D. Moore, S. K. Doran, T. R. Groves, and W. A. Enichen	Electron beam nano-metrology system
5,585,663	D. J. Schepis, K. Seshan, and R. J. Bezama	Self cooling electrically programmable fuse
5,585,673	H. M. Dalal, J. J. Cuomo, L. L. Hsu, and R. V. Joshi	Refractory metal capped low resistivity metal conductor lines and vias
5,585,674	M. J. Rutten and R. M. Geffken	Transverse diffusion barrier interconnect structure
5,585,919	J. M. Kurtzberg and J. S. Lew	Error minimization apparatus and method for real-time spectral deconvolution of chemical mixtures
5,585,968	G. F. Guhman, M. Ray, and T. R. Touw	Optical elements and method for fabricating them
5,585,979	A. D. Erpelding, H. Lindner, J. Netzker, and T. Steinbrenner	Assembly and method for wire encapsulation within head gimbal assemblies of DASD files
5,585,980	Z. E. Boutaghou	Low friction device for an actuator arm of a disk drive
5,585,986	S. S. Parkin	Digital magnetoresistive sensor based on the giant magnetoresistance effect
5,585,998	D. E. Kotecki, K. L. Saenger, and W. H. Ma	Isolated sidewall capacitor with dual dielectric
5,586,040	A. C. Tam, C. Gudeman, D. J. Krajnovich, F. D. Sargent, G. H. Vurens, P. Baumgart, S. W. Meeks, and T. A. Nguyen	Process and apparatus for controlled laser texturing of magnetic recording disk
5,586,049	J. M. Kurtzberg and J. S. Lew	Apparatus and method for generating profiles of constituents of chemical mixtures
5,586,099	B. I. Finkelstein and M. R. Madison	Optimized laser read power based upon scan speed of optical medium and erasure characteristics of the medium
5,586,243	D. A. Ford, E. J. Selker, and R. J. Barber	Multiple display pointers for computer graphical user interfaces
5,586,244	J. H. Werner and R. E. Berry	Display and manipulation of windows resembling real-world objects
5,586,252	P. D. Heinlein, R. Barnard, and S. L. Dohanich	System for failure mode and effect analysis
5,586,261	D. A. Jones, D. P. Brooks, J. C. Fletcher, J. L. Klonowski, and O. H. Choi	Method and apparatus for interconnecting similar networks using a network of a different type as a virtual link
5,586,265	B. L. Beukema	Priority arbitrating interface for a plurality of shared subsystems coupled to a plurality of system processing devices for selective association of subsystem to processing device
5,586,266	J. G. Wacławsky and P. C. Hershey	System and method for adaptive, active monitoring of a serial data stream having a characteristic pattern
5,586,273	C. S. McIlvaine, D. L. Blair, and G. T. Davis	HDLC asynchronous to synchronous converter
5,586,302	D. S. Keener and G. J. Moore	Personal computer memory write control
5,586,315	B. Iyer, C. Mohan, and I. S. Narang	Computer program product for off-loading host-based DBMS predicate evaluation to a disk controller
5,586,331	S. B. Levenstein	Duplicated logic and interconnection system for arbitration among multiple information processors
5,587,045	G. Costrini and J. H. Keller	Gettering of particles from an electro-negative plasma with insulating chuck
5,587,054	D. L. Ferguson and N. DiPaolo	Process and apparatus for contamination-free processing of semiconductor parts
5,587,604	B. Machesney, E. J. Nowak, and J. A. Mandelman	Contacted body silicon-on-insulator field effect transistor
5,587,728	A. Edgar	Optical feedback printer
5,587,857	A. J. Wallash, R. Wilcox, and S. H. Voldman	Silicon chip with an integrated magnetoresistive head mounted on a slider
5,587,858	L. K. Dorius and L. S. Samuelson	Negative pressure slider with optimized leading pocket for profile control
5,587,920	B. J. Wilkie, G. A. Parker, and J. E. Muyshondt	Faraday cage for a printed circuit card
5,587,935	J. S. Brooks and S. L. Dohanich	Integrated software development system including group decision support subsystem, application development subsystem and bridge subsystem therebetween
5,588,010	A. Z. Qureshi and W. R. Hardell	Parallel architecture error correction and conversion system

5,588,063	A. Edgar	Personal multimedia speaker system
5,588,122	A. Garcia	Universal buffered interface for coupling multiple processors' memory units, and I/O interfaces to a common high-speed interconnect
5,588,152	D. B. Rolfe, D. M. Lesmeister, J. W. Dieffenderfer, M. C. Dapp, R. E. Nier, T. N. Barker, V. J. Smoral, and W. J. Knowles	Advanced parallel processor including advanced support hardware
5,588,199	D. J. Seagle, H. P. Lee, and M. T. Krounbi	Lapping process for a single element magnetoresistive head
5,589,706	A. Mitwalsky and J. G. Ryan	Fuse link structures through the addition of dummy structures
5,589,707	J. E. Cronin	Multi-surfaced capacitor for storing more charge per horizontal chip area
5,589,856	F. L. Stein and G. F. Verrier	System and method for dynamically labeled touch sensitive buttons in a digitizing display
5,589,998	M. M. Yu	Cylinder address storage in multiple servo sectors of a track
5,590,004	Z. E. Boutaghou	Resilient clamp and compliant element data disk support system
5,590,006	M. K. Shafe	One-sided, single platter hard disk drive with center parking features
5,590,071	D. J. Kolor, N. B. Gupte, and S. Shah	Method and apparatus for emulating a high capacity DRAM
5,590,260	G. J. Morse and S. Thompson	Method and apparatus for optimizing the display of fonts in a data processing system
5,590,264	J. J. Richards and P. J. Keane	Identifying owning object (window) for dialogs
5,590,308	Y. Shih	Method and apparatus for LRU synchronization in distributed systems
5,590,309	E. W. Chencinski, J. C. Bixler, and N. T. Christensen	SP storage stack structure
5,590,313	D. W. Sheffield and R. A. Reynolds	Multiple protocol device interface subsystem and method
5,590,321	E. T. Lin and Y. Wang	Push down optimization in a distributed, multi-database system
5,590,324	D. Simmen, M. Jou, M. H. Pirahesh, and T. Y. Leung	Optimization of SQL queries using universal quantifiers, set intersection, and max/min aggregation in the presence of nullable columns
5,590,345	C. A. Collins, D. Kuchinski, D. B. Rolfe, D. G. Grice, D. M. Lesmeister, D. S. Wehrly, E. E. Retter, J. R. Stupp, J. W. Dieffenderfer, M. C. Dapp, N. J. Schoonover, P. A. Wilkinson, P. M. Kogge, R. E. Miles, R. E. Nier, R. R. Richardson, T. N. Barker, V. J. Smoral, and W. J. Knowles	Advanced parallel array processor (APAP)
5,590,348	B. Blaner, J. Phillips, and S. Vassiliadis	Status predictor for combined shifter-rotate/merge unit
5,590,362	D. B. Lindquist, D. H. Gibson, G. A. Brent, and R. I. Baum	Database engine predicate evaluator
5,590,372	B. J. Morehead and J. N. Dieffenderfer	VME bus transferring system broadcasting modifiers to multiple devices and the multiple devices simultaneously receiving data synchronously to the modifiers without acknowledging the modifiers
5,591,285	A. Afzali, A. Mehta, A. Viehbeck, B. E. Braren, E. Foster, J. Ayala-Esquilin, J. C. Hedrick, J. L. Hedrick, J. M. Shaw, R. T. Hodgson, S. Daijavad, S. Molis, and S. L. Tisdale	Fluorinated carbon polymer composites
5,591,533	M. Pinarbasi	Thin-film magnetic transducer having a stable soft film for reducing asymmetry variations
5,591,789	K. G. Sachdev, K. S. Olsen, and S. Iruvanti	Polyester dispersants for high thermal conductivity paste
5,591,941	D. P. Watson, D. R. Banks, J. Acocella, J. Benenati, J. S. Corbin, K. G. Hoebener, and T. Caulfield	Solder ball connections and assembly process
5,592,142	D. A. Evans, R. C. Flaker, and R. D. Adams	High-speed greater than or equal to compare circuit
5,592,236	F. Rosenbaum and P. Yosim	Method and apparatus for overlaying two video signals using an input lock
5,592,391	B. J. Wilkie, G. A. Parker, and J. E. Muyshondt	Faraday cage for a printed circuit card
5,592,412	K. Roithner, K. P. Muller, M. Tsuchiaki, and R. L. Kleinhenz	Enhanced deep trench storage node capacitance for DRAM
5,592,426	C. M. Durham, D. L. Jallice, and M. K. Ciraula	Extended segmented precharge architecture
5,592,529	R. Linsker	Telephone inadvertent off-hook condition detector
5,592,553	D. Coppersmith, D. B. Johnson, R. Guski, R. Larson, and S. M. Matyas	Authentication system using one-time passwords

5,592,600	D. Kimelman, J. Vlissides, R. Helm, V. J. Cina, and W. De Pauw	Animated display showing execution of object-oriented programs
5,592,604	S. M. Marusak	Method and system for indicating boundaries of connected data subsets
5,592,618	C. W. Mikkelsen, M. N. Wone, R. Shomler, and W. F. Micka	Remote copy secondary data copy validation-audit function
5,592,620	D. Chen and L. Temoshenko	System and method for controlling, monitoring, and retrieving accounting data
5,592,661	B. T. Tran, C. S. Tribolet, G. R. Karasiuk, M. C. Lehner, N. R. Eisenberg, R. L. Huddleston, and T. K. Lee	Detection of independent changes via change identifiers in a versioned database management system
5,592,674	A. Gluska, L. Fournier, and R. Gewirtzman	Automatic verification of external interrupts
5,592,678	B. R. Wood, G. A. Flurry, J. A. Cook, and L. W. Henson	Display adapter supporting priority-based functions
5,592,683	D. E. Stone, F. S. Shook, J. W. Marlin, R. D. Parrish, and W. Chen	Printer system data stream having nested pre-print commands, print data, and post-print commands
5,593,083	B. Hernandez, F. G. Weindelmayer, K. Palmer, and R. R. Horton	Castellated nozzle and method of use thereof
5,593,341	N. T. Gonnella and S. F. Starcke	Method for manufacturing a disk drive unit having magnetic disks with textured data areas and head landing zones
5,593,720	A. Viehbeck, G. F. Walker, J. Labadie, J. L. Hedrick, K. W. Lee, K. Y. Ahn, and R. Twieg	Process for making a multileveled electronic package
5,593,812	D. E. Seeger, E. D. Babich, J. P. Simons, and K. E. Petrillo	Photoresist having increased sensitivity and use thereof
5,593,912	T. V. Rajeevakumar	SOI trench DRAM cell for 256 MB DRAM and beyond
5,593,951	F. J. Himpel	Epitaxy of high- T_c superconductors on silicon
5,594,064	R. L. Bradshaw	Polymeric compositions containing inorganic fillers
5,594,436	M. Hassner, S. Winograd, and U. Schwiigelshohn	Signal processing channel with high data rate and low power consumption
5,594,607	A. D. Erpelding and O. J. Ruiz	Viscoelastically damped slider suspension system
5,594,658	B. Striemer and C. A. Lemaire	Digital paging system with voice output of messages
5,594,728	J. G. Wacławsky and P. C. Hershey	Real-time addressing for high-speed serial bit stream
5,594,749	A. Behfar-Rad, C. Harder, and H. P. Meier	Semiconductor laser with low vertical far-field
5,594,857	C. D. King and R. J. Torres	Conceptual map showing the windows of a complex task
5,594,883	W. D. Pricer	Hierarchical data storage system employing contemporaneous transfer of designated data pages to long-write and short-read cycle memory
5,594,895	J. Raymond and S. T. Ventrone	Method and apparatus for switching between clock generations only when activity on a bus can be stopped
5,594,918	C. Desnoyers, C. A. Collins, D. B. Rolfe, D. G. Grice, and W. J. Knowles	Parallel computer system providing multiported intelligent memory
5,594,924	D. H. Brown, E. A. Cunningham, G. J. Smith, G. W. VanLeeuwen, H. H. Ottesen, and R. Greenberg	Multiple user multimedia data server with switch to load time interval interleaved data to plurality of time interval assigned
5,595,316	J. E. Walker, P. Gallarelli, and R. E. Steinbugler	Equipment enclosure
5,595,600	C. Cabral, J. M. Harper, J. O. Chu, and K. K. Chan	Low-temperature selective growth of silicon or silicon alloys
5,595,791	A. C. Tam, A. W. Wu, H. V. Nguyen, P. Baumgart, T. A. Nguyen, and W. P. Leung	Process for texturing brittle nonmetallic surfaces such as glass disks
5,596,170	A. Kurz, F. L. Murray, J. McFadden, J. W. Deiso, R. M. Barina, and W. D. Owsley	Flexible dome electrical contact
5,596,226	C. L. Bertin, K. E. Beilstein, T. H. Daubenspeck, and W. J. Howell	Semiconductor chip having a chip metal layer and a transfer metal layer composed of the same metal, and corresponding electronic module
5,596,280	S. R. Riggio	Apparatus and method for testing circuits by the response of a phase-locked loop
5,596,460	J. C. Purkett and R. Greenberg	System and method for encoding a servo address
5,596,462	G. J. Smith	Data storage disk clamp apparatus for minimizing disk clamping force and surface area
5,596,700	E. D. Smilowitz and M. J. Darnell	System for annotating software windows
5,596,702	J. E. Stucka and R. Wiss	Method and system for dynamically sharing user interface displays among a plurality of application programs
5,596,705	J. A. Reimer and R. A. Reinsch	System and method for linking and presenting movies with their underlying source information

5,596,709	B. E. Clark, M. F. Bond, and R. S. McRoberts	Method and apparatus for recovering parity protected data
5,596,745	G. R. Shank, J. Y. Nishimura, M. Lai, and T. K. Lee	System and procedure for concurrent database access by multiple user applications through shared connection processes
5,596,748	C. J. Huang, E. T. Lin, J. Kleewein, and Y. Wang	Methods for function compensation in a distributed multidatabase (heterogeneous distributed database)
5,597,222	F. E. Doany and R. N. Singh	Optical relay lens system for projection displays
5,597,340	A. M. Desouches, M. A. Church, and R. E. Krebs	Ultimate inductive head integrated lapping system
5,597,469	C. F. Carey, D. O. Powell, G. P. Vlasak, K. M. Fallon, R. S. Zarr, and V. R. Markovich	Process for selective application of solder to circuit packages
5,598,104	J. E. Boyette	Breakaway test probe actuator used in a probing apparatus
5,598,186	A. Edgar	System and method for image mapping in linear space
5,598,306	G. M. Frees and M. Sasaki	Damping post to reduce acoustic noise in a disk drive
5,598,308	B. Dieny, B. A. Gurney, D. R. Wilhoit, I. L. Sanders, S. P. Parkin, and V. S. Speriosu	Magnetoresistive sensor having multilayer thin-film structure
5,598,313	J. E. Gersbach	Electrostatic discharge suppression circuit for integrated circuit chips
5,598,318	J. H. Neer, J. R. DeWitt, O. Pimienta, and T. A. McClurg	Personal computer with configurational flexibility and service features
5,598,360	D. C. Bogdan, D. L. Pearl, D. T. Pribula, G. W. Hutt, M. I. Hussain, and N. R. Aulet	Automated system and corresponding method for testing electro-optic modules
5,598,367	W. P. Noble	Trench EPROM
5,598,398	H. J. Rosen, K. A. Rubin, M. E. Best, and T. C. Strand	Multiple data surface optical data storage system
5,598,442	D. Casper, F. Ferraiolo, R. S. Capowski, and T. A. Gregg	Self-timed parallel intersystem data communication channel
5,598,470	H. Philips, R. F. Pryor, and T. E. Cooper	Method and system for enabling trial period use of software products: Method and apparatus for utilizing an encryption header
5,598,473	C. H. Bennett and R. Linsker	Digital signature generator/verifier/recorder (DS-GVR) for analog transmissions
5,598,495	J. R. Webb, J. W. Rittle, and W. W. Vetter	Fiber optic connector housing, fiber optic receptacle, accessories employing fiber optic connector housings and corresponding optical assemblies
5,598,529	J. A. Garay and K. J. Perry	Computer system resilient to a wide class of failures
5,598,535	A. A. Slane, B. L. Brech, and G. S. Delp	Method and apparatus for grouping packets using timed window
5,598,542	W. L. Leung	Multibus dynamic arbiter
5,598,570	C. T. Ho and M. T. Raghunath	Efficient data allocation management in a multiprocessor computer system
5,598,580	D. W. Norton, R. C. Paddock, and W. F. Detschel	High-performance channel adapter having a pass-through function
5,599,144	D. W. Wilhite, G. D. Johnson, J. Negron, M. Bickham, and R. W. Burns	Low-friction flute tungsten carbon microdrill
5,599,582	A. Viehbeck, E. Adamopoulos, G. F. Walker, J. Kim, J. J. Ritsko, J. M. Shaw, K. W. Lee, S. Purushothaman, T. R. O'Toole, and T. S. Oh	Adhesive layer in multilevel packaging and organic material as a metal diffusion barrier
5,599,611	A. Afzali, A. Viehbeck, J. C. Hedrick, J. M. Shaw, J. T. Gotro, K. Papathomas, and N. M. Patel	Prepreg and cured laminate fabricated from a toughened polycyanurate
5,599,619	C. J. Lin, J. C. Suits, J. G. Eckhardt, and M. M. Farrow	Write once magneto-optic media and system
5,599,725	F. F. Dorleans, G. C. Schwartz, G. R. Larsen, L. Hsu, and L. C. Hsia	CMOS transistor with two-layer inverse-T tungsten gate structure
5,599,747	A. Bhatt, D. E. Houser, G. W. Jones, J. McKeveny, K. L. Potter, and T. P. Duffy	Method of making circuitized substrate
5,600,257	C. Perry, G. F. Walker, J. Van Horn, J. M. Leas, and R. Koss	Semiconductor wafer test and burn-in
5,600,259	B. Bartyzel, D. A. Fields, K. A. Vanderlee, and S. Duncan	Method and apparatus for reducing interference in a pin array
5,600,347	A. Ogura, J. D. Harwood, K. Takemura, M. Oie, and S. Thompson	Horizontal image expansion system for flat panel displays
5,600,465	K. A. Puzey	Optical multiplexer operating in synchronism with a data stream having ascertainable pulse rate
5,600,519	D. E. Heim and M. L. Williams	Controlled saturation thin-film magnetic write head

5,600,565	S. E. Wheeler and S. L. Wagner	Method and apparatus for error reduction in item packaging
5,600,659	C. L. Chen	Low-cost symbol error correction coding and decoding
5,600,766	B. Khatri, D. J. Deckys, G. Mathew, G. A. Vaiskauckas, K. D. Smeltzer, and S. Merkin	Method and apparatus for storing and displaying a power-on graphical image
5,600,773	J. A. Wilkinson, L. Vepstas, and M. T. Vanover	Logical partitioning of gamma ramp frame buffer for overlay or animation
5,600,776	L. Lachman, M. D. Smith, and W. J. Johnson	Method and apparatus for automatically organizing user interface objects for multiple users on a single workstation
5,600,778	G. M. Mandelstam, R. F. Andrews, Jr., and S. Swanson	Graphical resource editor for software customization
5,600,791	B. A. Carlson, F. L. Huss, N. M. Schmucki, and R. E. Zelenski	Distributed device status in a clustered system environment
5,600,793	J. H. Nord	Method and system of bidirectional parallel port data transfer between data processing systems
5,600,798	F. Y. Lai, K. K. Sy, and R. J. Cherukuri	System and method for controlling LAN data flow through a frame relay network by end-point station transmitting notification to LAN stations based on congestion notification from the frame relay network
5,600,805	J. C. Mazurowski, K. J. Fredericks, K. J. Oakes, L. W. Wyman, M. Halma, R. E. Galbraith, R. E. Hough, R. R. Guyette, and S. M. John	Pass-through for I/O channel subsystem call instructions for accessing shared resources in a computer system having a plurality of operating systems
5,600,817	F. H. Shih, J. Macon, and S. Ong	Asynchronous read-ahead disk caching using multiple disk I/O processes and dynamically variable prefetch length
5,600,822	D. G. Grice and P. H. Hochschild	Resource allocation synchronization in a parallel processing system
5,600,828	O. Weber and W. J. Johnson	Enhanced file specification wild-card function
5,600,832	C. S. Tribolet, G. R. Karasiuk, M. C. Lehner, N. R. Eisenberg, and R. L. Huddleston	Variant domains and variant maps in a versioned database management system
5,600,880	C. D. Snyder and H. Santini	Process for forming vertical gap in a thin-film magnetic transducer
5,600,883	L. H. Faure and T. W. Spoor	Spring probe with piloted and headed contact and method of tip formation
5,601,391	J. Gazza	Dual gripper picker assembly for an automated storage system
5,601,672	D. Gupta, J. Wylder, and J. A. Casey	Method for making ceramic substrates from thin ceramic greensheets
5,601,675	D. A. Sluzewski and M. K. Hoffmeyer	Reworkable electronic apparatus having a fusible layer for adhesively attached components, and method therefor
5,602,051	H. Wong, J. E. Cronin, and J. K. DeBrosse	Method of making stacked electrical device having regions of electrical isolation and electrical connection on a given stack level
5,602,563	D. Y. Chang and S. G. Li	Float-to-surface display
5,602,597	R. L. Bertram	Video receiver display of video overlaying menu
5,602,657	L. D. Dickson and R. D. Rallison	Hologram system having hologram layers with rotationally offset Bragg planes
5,602,668	D. Kuchta	Data communications and illuminated light on the same optical fiber
5,602,692	D. A. Freitas and S. M. Shih	Sampled position error signal demodulation system for banded data disk drives