

Recent IBM patents

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

Canada

2,118,147	C. Cabral, L. Clevenger, F. M. d'Heurle, J. M. Harper, R. W. Mann, G. L. Miles, and D. W. Rakowski	Method for lowering the phase transformation temperature of a metal silicide
2,168,287	G. M. Lohman, B. Schiefer, and M. S. Urata	Method for detecting and optimizing queries with encoding/decoding tables
2,209,549	A. C. Comeau and S. S. Lightstone	Method and apparatus for loading data into a database in a multiprocessor environment
2,242,720	R. Ho	Programmable LED driver
2,246,949	P. Shum and D. Velissaropoulos	Method and means for encoding, storing, and retrieving hierarchical data processing information for a computer system
2,285,089	G. J. Fecteau, G. Kligerman, and L. Kollar	Logical mapping of data objects using data spaces

France

622,962	C. Cesaro and G. Richter	Tone-detection method for detecting at least one tone in a dual-tone multifrequency signal, call-progress method using the same
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Germany

19,622,732.1	H. Hilgers, P. Joeris, and M. Straub	Surface modification of magnetic heads
19,849,855.1	T. Stuermer	Process for the automatic generation of a textual expression from a semantic representation using a computer system

Japan

1,077,956	Y. Hanabuchi and T. Kurosawa	Multi media station model 5 ID
1,078,727	H. Shima, T. Takahashi, and K. Yamazaki	Industrial design of slim note
1,079,213	T. Kurosawa	Multi media station extended box ID
3,051,972	K. Ishizaki, H. Komatsu, and T. Ogasawara	A method for eliminating communication overhead by caching results of communication analysis
3,056,989	S. Matsushima and M. Yamazaki	Control method of removable IDE devices
3,056,997	H. Nakamura	OCB tune-up
3,057,031	S. Kurihara and I. Yoneda	Torque amplification with resonance detection
3,057,037	N. Kurosu, T. Satoh, T. Tsuchiya, and T. Yoshida	Termination methodology for planar bent lead HGA
3,057,055	T. Aihara, S. Furuichi, and S. Shimotohno	Graphics device with video overlay window feature enhanced with a shutter
3,057,460	K. Kawase, T. Matsumoto, and T. Moriyama	Effective task distribution and execution mechanism for multiprocessor

3,062,035	S. Koyama, T. Nozawa, Y. Suzuki, and A. Terukina	Full scale adjust circuit for video DAC
3,062,050	T. Miyahira, A. Nakao, and S. Shimotohno	A method to reduce power consumption of hard disk drive
3,063,860	H. Mori and H. Tamura	Magnet disk eraser
3,065,481	N. Matsuo, H. Nijima, and M. Shimada	Interleaved dynamic sector allocation for SSD with block-erase storage devices
3,065,527	T. Fujita and S. Odahara	Color TFT-LCDs
3,066,963	Y. Maeda and Y. Tsukada	Solder bump formation method
3,067,021	T. Haze and T. Yabuuchi	Re-reduce for SLC manufacturing
United Kingdom		
651,330	J. Maltby, S. Phipps, V. Sethi, and V. J. Singleton	Dynamic data exchange over a computer network
704,795	P. F. McDaid	A data processing system
842,468	J. Cowlard	Virus protection in computer systems
850,445	A. M. Colyer	Recoverable proxy object in an object-oriented environment
853,802	G. Ashour, Y. Medan, and N. Sharir	Audio synthesizer
2,303,948	S. J. Todd	A data processing system
2,307,802	R. C. Hyde	Power supply with power factor correction circuit
2,309,104	M. N. Day, J. Frye, A. Y. Seen, and P. M. Simpson	Preloading software onto a computer system
2,311,389	R. P. Hoggarth, R. I. Knox, A. L. Massey, C. D. McCall, and S. Syed	Software installation in data processing network
2,312,973	Y. Novick, R. Y. Pinter, M. Rodeh, and A. J. Wecker	Programming aid
2,313,677	M. Ball, C. Cromar, and H. Kelly	Method and apparatus for manufacturing cathode ray tube display devices
United States		
5,964,396	D. C. Linnell, F. Pompeo, G. B. Martin, H. T. Toy, K. A. Stalter, L. S. Goldmann, M. G. Courtney, P. A. Coico, P. J. Brofman, R. A. Jackson, and S. Farooq	Enhanced ceramic ball grid array using in-situ solder stretch with clip
5,964,827	H. C. Ngo, J. A. Silberman, and S. H. Dhong	High-speed binary adder
5,964,834	P. M. Crutcher	System grouping clipboard memories associating with computers in a network into a shared clipboard memory for sharing data object in a network
5,964,836	T. Rowe and Y. S. Tan	Apparatus, methods and computer program products for managing web-page-embedded sessions with a host-based application
5,964,837	C. W. Chao and W. Tsun	Computer network management using dynamic switching between event-driven and polling type of monitoring from manager station
5,964,846	R. F. Berry and W. Gu	System and method for mapping processor clock values in a multiprocessor system
5,964,847	B. A. Carpenter, R. A. Resnick, R. B. Ferrier, S. H. Booth, and W. Vetter	Mobile client computer interacting with docking device
5,964,855	B. M. Bass, F. J. Pita, J. A. Hubbard, and P. W. Oman	Method and system for enabling non-disruptive live insertion and removal of feature cards in a computer system
5,964,866	C. M. Durham and P. J. Klim	Elastic self-timed interface for data flow elements
5,965,306	A. K. Wong, R. A. Ferguson, and S. M. Mansfield	Method of determining the printability of photomask defects
5,965,309	C. P. Ausschnitt, M. Lagus, and T. Brunner	Focus or exposure dose parameter control system using tone reversing patterns
5,965,459	K. D. Beyer	Method for removing crevices induced by chemical-mechanical polishing
5,965,465	D. I. Rath, H. F. Okorn-Schmidt, K. Pope, K. J. McCullough, K. P. Madden, and R. Jagannathan	Etching of silicon nitride
5,965,944	E. J. Frankoski and I. Memis	Printed circuit boards for mounting a semiconductor integrated circuit die
5,966,012	S. S. Parkin	Magnetic tunnel junction device with improved fixed and free ferromagnetic layers
5,966,082	D. Friedman, H. Heinrich, K. Goldman, and T. Cofino	Method of flagging partial write in RF tags
5,966,263	D. A. Freitas, K. R. Vannorsdel, and M. M. Yu	Method and apparatus to increase head/AE select robustness for a system using multiple head servo write
5,966,264	K. A. Belser and W. L. Cheung	Two frequency servo PES pattern

5,966,290	B. G. Sammakia and S. B. Sathe	Electronic packages and a method to improve thermal performance of electronic packages
5,966,339	J. A. Mandelman, K. C. Arndt, and L. L. Hsu	Programmable/reprogrammable fuse
5,966,417	P. D. Muench and T. G. McNamara	Cycle alignment circuit for multicycle time systems
5,966,512	C. Bates and J. M. Ryan	Groupware save operation
5,966,522	A. A. Bjorksten, B. A. Zoric, and P. G. Villarrubia	Multi-phase clock distribution method and system for complex integrated circuit devices
5,966,543	B. H. Hartner, C. Schmitt, D. Medina, J. F. Macon, and M. Peloquin	Method of using collaborative spinlocks to provide exclusive access to a resource in a multiprocessor computer system
5,966,631	B. A. Pierson, G. W. Gale, and W. A. Syverson	Forced plug processing for high aspect ratio structures
5,966,707	G. A. Van Huben and J. L. Mueller	Method for managing a plurality of data processes residing in heterogeneous data repositories
5,966,708	C. E. Clark, H. R. Shah, and S. J. Greenspan	Tail compression of a log stream using a scratch pad of logically deleted entries
5,966,728	B. F. Boury, N. Amini, R. Horne, and S. Brannon	Computer system and method for snooping data writes to cacheable memory locations in an expansion memory device
5,966,803	J. W. Wilson	Ball grid array having no through holes or via interconnections
5,966,941	U. Ghoshal	Thermoelectric cooling with dynamic switching to isolate heat transport mechanism
5,967,796	A. M. Washington and J. W. Hartfiel	PCI bus cable interface
5,967,824	C. N. Ramirez, D. Neal, J. R. Taylor, and W. D. Scott	Mechanism for inserting or removing I/O cards with internal connectors
5,967,878	A. M. Desouches, C. Arcona, D. J. Lucken, J. P. Gunder, M. Zung, and R. O. Barr	Lapping method and system for compensating for substrate bow
5,967,880	J. C. Major	Method and apparatus for ultrasonically texturing ABS of magnetic head of hard disk drive
5,968,035	B. D. Goodman, H. W. Kaufman, J. J. Wynne, and J. M. Jacobs	Dental procedures and apparatus using ultraviolet radiation
5,968,036	B. D. Goodman, H. W. Kaufman, J. J. Wynne, and J. M. Jacobs	Dental procedures and apparatus using ultraviolet radiation
5,968,143	A. B. McNeill, D. R. Chisholm, E. I. Wachtel, G. B. Hoch, and T. V. Lee	Information handling system for transfer of command blocks to a local processing side without local processor intervention
5,968,149	G. A. Jaquette and G. L. Washburn	Tandem operation of input/output data compression modules
5,968,158	G. L. Turbeville, J. Sinibaldi, J. M. Linger, J. R. Petty, K. B. Williams, L. P. Andrews, R. Beckman, and R. C. Eng	Apparatus including a host processor and communications adapters interconnected with a bus, with improved transfer of interrupts between the adapters and host processor
5,968,164	E. J. Silha and L. W. Loen	Mixed-endian computing environment for a conventional bi-endian computer system
5,968,179	D. G. Smyth, D. L. Garmire, H. E. Roman, and K. S. Barkey	Method for initializing a self-timed link
5,968,182	C. Y. Ng, J. Liu, J. C. Chen, and W. G. Sherman	Method and means for utilizing device long busy response for resolving detected anomalies at the lowest level in a hierarchical, demand/response storage management subsystem
5,968,189	A. E. Herrmann, C. Desnoyers, D. L. Garmire, F. A. Kampf, and R. F. Stucke	A system of reporting errors by a hardware element of a distributed computer system
5,968,280	M. Ronay	Method for cleaning a surface
5,968,628	J. S. Campbell and J. T. Holton	Deformable elastomer molding seal for use in electrical connector system
5,968,670	D. C. Linnell, F. Pompeo, G. B. Martin, H. T. Toy, J. Covell, K. A. Stalter, L. S. Goldmann, M. G. Courtney, P. A. Coico, P. J. Brofman, R. A. Jackson, and S. Farooq	Enhanced ceramic ball grid array using in-situ solder stretch with spring
5,968,841	A. Ticknor, M. F. Lofaro, and W. F. Landers	Device and method for preventing settlement of particles on a chemical-mechanical polishing pad
5,969,024	M. Angelopoulos, R. Saraf, and Y. H. Liao	Methods of fabricating plasticized, antiplasticized and crystalline conducting polymers and precursors thereof
5,969,273	C. N. Archie, D. Nyssonen, D. C. Wheeler, E. P. Solecky, and M. Lagus	Method and apparatus for critical dimension and tool resolution determination using edge width
5,969,370	A. Juliana, Jr., C. H. Lee, H. J. Rosen, M. R. Latta, W. C. Leung, and W. I. Imaino	Surface inspection tool
5,969,523	C. S. Nomura, J. T. Contreras, K. B. Klaassen, and P. W. Chung	Preamplifier bias mode to re-initialize a GMR head after losing initialization
5,969,554	D. W. Stout and F. Chan	Multi-function pre-driver circuit with slew rate control, tri-state operation, and level-shifting

5,969,649	B. Marcus, G. A. Jaquette, J. J. Ashley, and P. J. Seger	Run length limited encoding/decoding with robust resync
5,969,720	J. M. Mullaly, L. A. Lisle, and S. L. Martin	Data processing system and method for implementing an informative container for a file system
5,969,724	D. J. Roberts, R. E. Berry, and S. H. Isensee	Method and system for navigating through opaque structures on a display
5,969,893	K. G. Dahman, R. B. Basham, S. B. Wilson, S. D. Johnson, and S. M. Fry	Tape pre-formatting with uniform data storage segments selectively mapped to fixed or variable sized independently addressable data storage partitions
5,969,901	D. E. Goodman, E. A. Eckberg, K. B. Price, and S. A. Hanssen	Gasket frame for grounding an actuator flex cable in a disc drive
5,969,906	J. E. Sell, R. G. Simmons, S. P. Arya, T. Pan, W. C. Shum, W. L. Hillman, and W. W. Brooks	Transducer suspension system having access aperture
5,969,945	C. S. Milkovich, E. A. Johnson, J. M. Zalesinski, J. S. Perkins, L. R. Cutting, M. A. Gaynes, M. V. Pierson, and S. E. Poetzing	Electronic package assembly
5,969,947	E. A. Johnson, S. J. Kosteva, and S. W. MacQuarrie	Integral design features for heatsink attach for electronic packages
5,969,997	E. L. Hedberg, M. Faucher, M. P. Clinton, M. W. Kellogg, and W. D. Pricer	Narrow data width DRAM with low latency page-hit operations
5,970,000	P. Pfefferl and T. Kirihata	Repairable semiconductor integrated circuit memory by selective assignment of groups of redundancy elements to domains
5,970,009	H. Hoenigsmid, J. A. Mandelman, and R. L. Kleinhenz	Reduced stand by power consumption in a DRAM
5,970,030	J. W. Hammar and K. Dimitri	Automated data storage library component exchange using media accessor
5,970,052	D. A. Webber, G. A. Katopis, J. Braun, P. R. Turgeon, T. Lo, and T. G. McNamara	Method for dynamic bandwidth testing
5,970,225	B. K. Jackson and M. L. Williams	Display selected printer response for distinct application
5,970,227	J. P. McGovern, P. E. Newman, and R. A. Dayan	Wireless proximity detector security feature
5,970,239	L. R. Bahl and M. Padmanabhan	Apparatus and method for performing model estimation utilizing a discriminant measure
5,970,248	M. Meier	Method of walking-up a call stack for a client/server program that uses remote procedure call (RPC)
5,970,250	L. E. England and T. Horiguchi	System and method for scoping operating system semantics in a computing environment supporting multi-enclave processes
5,970,418	G. McVicker, J. P. Karidis, and R. A. Budd	Personal communicator including a handset phone with an integrated virtual image display
5,970,439	C. P. Roth, E. H. Welbon, F. E. Levine, and J. C. Randolph	Performance monitoring in a data processing system
5,970,451	B. E. Ballard, J. R. Lewis, K. A. Ortega, and R. VanBuskirk	Method for correcting frequently misrecognized words or command in speech application
5,970,464	B. F. White, B. K. Rosen, C. V. Apte, E. Grossman, E. P. Pednault, F. A. Tipu, and H. J. Wang	Data mining based underwriting profitability analysis
5,970,465	B. L. Dietrich, G. Lin, and R. Srinivasan	A method for part procurement in a production system with constrained resources
5,970,498	D. M. Duffield, E. L. Fosdick, and W. C. Rapp	Object-oriented framework mechanism for metering objects
5,970,512	D. J. Martens and M. K. Ciraula	Translation shadow array adder-decoder circuit
5,970,598	J. R. Case and R. R. Hall	Differential pressure assembly device and method for making connector assemblies
5,970,606	A. W. Buechele	Pinstacking process and fixture
5,970,731	E. J. Seminario, G. F. Goth, G. M. Chrysler, J. A. Hickey, J. J. Hare, R. C. Chu, R. E. Simons, R. R. Schmidt, and W. S. Harris	Modular refrigeration system
5,971,058	J. Covell and L. R. Bolde	Apparatus and method for continuous casting solder onto discrete parts
5,971,268	E. R. Veals, K. H. Myers, R. A. Smith, R. C. Lynch, and W. L. Talley	An I/O assembly for use with point of sale terminals and other computing systems
5,971,277	B. J. Cragun and W. J. Rothschild	Mechanism for retrieving information using data encoded on an object
5,971,454	J. P. DeGeorge, J. R. Lankard, Jr., R. H. Turcotte, and R. L. Baan	Article handler

5,971,585	A. Gokhale, C. K. Yen, D. Dangat, J. Milne, R. A. Orzell, R. L. Reid, S. Li, and X. Tang	Best can do matching of assets with demand in microelectronics manufacturing
5,971,640	J. D. Thomas, J. G. Brewington, K. H. Vorhees, and R. H. Harris	Method for cutting paper in a printer using a gear with a friction pad
5,972,053	I. S. Mahmoud, J. G. Hoffarth, and J. M. Lauffer	Capacitor formed within printed circuit board
5,972,145	H. G. Linde and S. J. Holmes	Removable passivating polyimide coating and methods of use
5,972,156	G. F. Walker, G. W. Johnson, H. Heinrich, M. J. Brady, P. A. Moskowitz, and T. Cofino	Method of making a radio frequency
5,972,570	E. Sengle, J. A. Bruce, R. K. Leidy, S. J. Holmes, and W. E. Mlynko	Method of photolithographically defining three regions with one mask step and self aligned isolation structure formed thereby
5,972,571	A. Aviram	Negative resist composition and use thereof
5,972,723	A. G. Merryman, C. J. Mele, G. K. Bartley, J. Pennacchia, K. A. Smith, P. A. Franklin, R. Yu, T. A. Wassick, and T. A. Wayson	Enhanced thin film wiring net repair process
5,972,745	E. J. Nowak, H. L. Kalter, M. H. Tong, W. R. Tonti, and X. Tian	Method of forming self-aligned halo-isolated wells
5,972,765	D. W. Martin, T. Ference, T. B. Hook, and W. F. Clark	Use of deuterated materials in semiconductor processing
5,972,787	C. Lin, J. F. Nuetzel, J. K. Stephens, K. Boggs, M. Ronay, R. Ploessl, and R. F. Schnabel	CMP process using indicator areas to determine endpoint
5,972,788	B. El-Kareh and J. G. Ryan	Flexible interconnect with dual-metal-dual-stud structure
5,973,351	D. E. Kotecki and S. V. Nguyen	Semiconductor device with high dielectric constant insulator material
5,973,385	J. P. Gambino, R. Stengl, and S. V. Nguyen	Method for suppressing pattern distortion associated with BPSG reflow and integrated circuit chip formed thereby
5,973,389	C. G. Woychik, M. A. Gaynes, M. V. Pierson, R. R. Kodnani, and T. M. Culnane	Semiconductor chip carrier assembly
5,973,419	J. P. Rutigliano and R. W. Kruppa	Circuit and method of operation to control in-rush current from a power supply to peripheral devices in an information system
5,973,508	E. J. Nowak and M. H. Tong	Voltage translation circuit for mixed voltage applications
5,973,529	R. V. Joshi, T. I. Chappell, W. Hwang, and W. H. Henkels	A pulse-to-static conversion latch with a self-timed control circuit
5,973,663	C. Bates and J. M. Ryan	Visually aging scroll bar
5,973,665	B. J. Davie and T. D. Greer	Temporally invasive display guide
5,973,666	B. Cunningham, C. B. Swart, D. Challener, and S. E. Fischer	Method and means for controlling the concurrent execution of a plurality of programs on a computer system
5,973,683	B. J. Cragun and P. R. Day	Dynamic regulation of television viewing content based on viewer profile and viewing history
5,973,685	A. Tantawy, D. Seidman, and F. Schaffa	Scheme for the distribution of multimedia follow-up information
5,973,697	D. D. Bardon, D. J. Roberts, J. M. Mullaly, R. E. Berry, and S. H. Isensee	Method and system for providing preferred face views of objects in a three-dimensional (3D) environment in a display in a computer system
5,973,705	C. Narayanaswami	Geometry pipeline implemented on a SIMD machine
5,973,740	D. A. Hrusecky	Multi-format reduced memory video decoder with adjustable polyphase expansion filter
5,973,771	B. B. Peck, D. C. Humphrey, G. N. Pealer, and M. Hibbs	Pupil imaging reticle for photo steppers
5,973,870	G. J. Smith, H. H. Ottesen, and Z. E. Boutaghou	Adaptive and in-situ load/unload damage estimation and compensation
5,973,928	C. J. Blasi, F. Motika, and G. Das	Multi-layer ceramic substrate decoupling
5,973,971	G. Uhlmann and S. N. Storino	Device and method for verifying independent reads and writes in a memory array
5,974,016	G. P. Andrews and K. C. Cheung	Disc reader with automatic closing tray
5,974,049	B. H. Ratcliff and S. R. Valley	Internet protocol assists for high performance LAN connections
5,974,130	A. S. Sadri and P. Yegani	Transparent call discrimination (TCD) method and apparatus
5,974,168	A. Gueziec, G. Taubin, and H. Rushmeier	Acquiring bump maps from curved objects
5,974,240	K. S. Chan	Method and system for buffering condition code data in a data processing system having out-of-order and speculative instruction
5,974,256	G. Matthews and K. R. Lawrence	Method for translating graphical user interface (GUI) resource data into native Java code
5,974,258	R. Ferri and R. C. Russell	Method and apparatus for performing single-function software operations on a server processor for a target of one or more processors in a network of processors

5,974,259	H. F. Casal, K. A. Feiste, L. E. Thatcher, and T. W. Griffith	Data processing system and method of operation having input/output drivers with reduced power consumption and noise levels
5,974,382	A. A. Nassiff, F. Fado, P. J. Guasti, and R. VanBuskirk	Configuring an audio interface with background noise and speech
5,974,383	A. A. Nassiff, F. Fado, P. J. Guasti, and R. VanBuskirk	Configuring an audio mixer in an audio interface
5,974,403	L. S. Wu and S. Takriti	Power trading and forecasting tool
5,974,406	A. N. Tantawi, C. Bisdikian, and Y. N. Doganata	An automated matching, scheduling, and notification system
5,974,420	S. McLaughry and T. J. Lehman	Information exchange operator for a tuplespace
5,974,424	B. Shmueli, F. Schmuck, J. Wyllie, and R. J. Curran	Parallel file system and method with a metadata node
5,974,428	S. J. Munroe and S. N. Gerard	Method and apparatus for class version naming and mapping
5,974,439	G. Bollella	Resource sharing between real-time and general purpose programs
5,974,441	K. Lagarde and R. M. Rogers	WWW client server interactive system method with Java (TM)
5,974,445	A. J. Samodovitz and J. R. Pivnichny	Web browser which checks availability of hot links
5,974,460	G. F. McBrearty, J. J. Maddalozzo, and J. M. Shieh	Apparatus and method for selecting an optimum telecommunications link
5,974,462	C. K. Eilert, D. Booz, D. V. Bostjancic, G. M. Dritschler, J. D. Aman, J. E. Arwe, and P. B. Yocom	Method and apparatus for controlling the number of servers in a client/server system
5,974,505	R. B. Patel	Method and system for reducing power consumption of a non-blocking cache within a data processing system
5,974,507	J. D. Lewis, J. S. Dodson, L. Clark, and R. K. Arimilli	Optimizing a cache eviction mechanism by selectively introducing different levels of randomness into a replacement algorithm
5,974,524	H. Cheong, H. Q. Le, P. J. Jordan, and Q. Nguyen	Method and apparatus for reducing the number of rename registers in a processor supporting out-of-order execution
5,974,535	T. M. Potter	Method and system in a data processing system of permitting concurrent processing of instructions of a particular type
5,974,566	B. A. Rich, E. Plassmann, M. Ault, S. B. Shi, and T. J. Shrader	Method and apparatus for providing persistent fault-tolerant proxy login to a web-based distributed file service
5,974,657	C. A. Fox, H. S. Gill, J. Tabib, and V. S. Speriosu	Two step resetting of magnetization of spin valve read head at the row level
5,974,868	B. Jurjevic, C. Huynh, D. Decain, D. P. Nadeau, and M. A. Taubenblatt	Downstream monitor for CMP brush cleaners
5,974,931	D. C. Long, J. Wylder, L. W. Herron, M. LaPlante, M. W. Kapfhammer, N. A. Rizk, and W. D. Carbaugh	Flex die punching apparatus and method
5,975,409	D. C. Linnell, F. Pompeo, G. B. Martin, H. T. Toy, K. A. Stalter, L. S. Goldmann, M. G. Courtney, P. A. Coico, P. J. Brofman, R. A. Jackson, and S. Farooq	Ceramic ball grid array using in-situ solder stretch
5,975,749	R. A. Bechade	Zero and one detection chain for a carry select adder
5,976,156	R. H. Taylor and Y. Y. Kim	Stereotaxic apparatus and method for moving an end effector
5,976,264	J. J. Wu, K. J. McCullough, L. Rothman, and R. J. Purtell	Removal of fluorine or chlorine residue by liquid CO ₂
5,976,286	G. Natarajan	Multi-density ceramic structure and process thereof
5,976,710	A. Nenadic, C. H. Perry, H. S. Sachdev, J. P. Hummel, K. G. Sachdev, R. N. Lang, S. M. Kamath, and S. S. Prabhu	Low TCE polyimides as improved insulator in multilayer interconnect structures
5,976,740	C. P. Ausschnitt, D. Nyyssonen, and T. Brunner	Process for controlling exposure dose or focus parameters using tone reversing pattern
5,976,768	C. Huynh, J. Dunn, J. S. Brown, P. W. Pastel, R. K. Leidy, and S. J. Holmes	Method for forming sidewall spacers using frequency doubling hybrid resist and device formed thereby
5,976,963	C. Kaanta and J. E. Cronin	Self-aligned metallurgy
5,976,970	H. M. Dalal and H. S. Rathore	Method of making and laterally filling key hole structure for ultra fine pitch conductor lines
5,976,975	H. M. Dalal, J. J. Cuomo, L. L. Hsu, and R. V. Joshi	Refractory metal capped low resistivity metal conductor lines and vias
5,976,986	B. Spuler, C. H. Yang, M. Narita, M. Naeem, R. Christie, S. M. Burns, V. Grewal, and W. W. Kocon	Low pressure and low power C12/HC1 process for sub-micron metal etching
5,977,625	D. L. Edwards, H. T. Toy, P. A. Coico, R. A. Sherif, and S. Farooq	Semiconductor package with low strain seal
5,977,640	C. L. Bertin, E. J. Sprogis, T. Ference, and W. J. Howell	Highly integrated chip-on-chip packaging
5,977,642	B. K. Appelt, J. M. Lauffer, J. R. Wilcox, M. A. Gaynes, and S. Datta	Dendrite interconnect for planarization and method for producing same