

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

456,946	A. Blanc	Method and Apparatus for Recognition of a Framing Pattern Distributed in a Serial Bit Stream
469,215	C. Cederbaum, M. Combes, P. Mone, R. Chanclou, and V. Vallet	Method of Forming Stacked Tungsten Gate PFET Devices and Structures Resulting Therefrom
523,306	A. Blanc, G. Orengo, G. Richter, J. C. Abbate, and P. Jeanniot	Decimation Filter for a Sigma-Delta Converter and an Analog-to-Digital Converter Using the Same
582,017	A. LaFond and G. Garric	Dispatching Apparatus with a Gas Supply Distribution System for Handling and Storing Pressurized Sealable Transportable Container
582,018	A. LaFond and G. Garric	Pressurized Interface Apparatus for Transferring a Semiconductor Wafer Between a Pressurized Sealable Transportable Container
582,019	A. LaFond and G. Garric	Fully Automated and Computerized Conveyor Based Manufacturing Line Architecture Adapted to Pressurized Sealable Transportable Container

Germany

4,316,332.7	E. Maehringer-Kunz, H. Baier, H. Sonntag, M. Kallmeyer, and O. Weber	Screwing Apparatus with the Capability of Determining, Monitoring, and Regulating the Measurable Screwing Parameters During the Screwing Process, and Process for the Manufacture of Qualitative, High-Grade Screw Connections
4,430,554.0	E. Maehringer-Kunz and M. Kallmeyer	Method and Apparatus for a Fast Interpolation of Intermediate of Periodical Phase Shifted Signals
9,506,840.6	M. Bever, T. Mueller-Haberstock, and U. Baer	Graphical Representation of a Software Program
9506,841.4	M. Bever, T. Mueller-Haberstock, and U. Baer	Graphical Representation of a Software Program
69,023,347.7	J. Greschner, M. Nonnenmacher, and O. Wolter	Method of Making an Integrated Pneumatically and Electrostatically Controlled Scanning Tunneling Microscope
69,023,478.3	G. Kraus, J. Greschner, J. W. Bartha, O. Wolter, and T. Bayer	Process for Fabricating Silicon Carbide Films with a Predetermined Stress
69,023,499.6	I. Salm	Computer with Extended Virtual Storage Concept
69,205,415.4	A. Frey, H. D. Schmidt, J. W. Boecker, M. Butz, and P. Hoffmeister	Process for Providing Catalytical Greatly Active Platinum Metal Layers

Japan

1,976,268	R. Hiraga and Y. L. Lien	A Method to Manage Objects on a User Interface System
1,977,881	S. Okabe	Via Bump Formative Process by Subtractive Method
1,977,901	Y. Kobiyama	Enhanced Method of Gray Scale Font Generation
1,980,344	S. Kawada	Convergent Method of Font Stroke Width

United Kingdom

3,142,277 J. L. Taylor SIMD Array Processor

United States

- 5,452,510 M. S. Barnes and R. P. Westerfield, Jr. Method of Making an Electrostatic Chuck with Oxide Insulator
 5,452,905 G. Bohmer, J. Gentischer, R. Lehner, D. Modjesch, and W. Schmutz Spinning Plate for Substrates
- 5,453,305 Y. H. Lee Plasma Reactor for Processing Substrates
 5,453,400 J. R. Abernathy, R. W. Mann, P. C. Parries, and J. A. Springer Method and Structure for Interconnecting Different Polysilicon Zones on Semiconductor Substrates for Integrated Circuits
 5,453,639 J. E. Cronin and H. S. Landis Planarized Semiconductor Structure Using Subminimum Features
 5,453,642 S. Kaja, E. J. O'Sullivan, and A. G. Schrott Multilayer Interconnect Systems
- 5,453,705 F. I. Atallah, A. Correale, Jr., C. K. Robinson, and G. B. Stephens Reduced Power VLSI Chip and Driver Circuit
- 5,453,779 A. Dan, N. P. Shahabuddin, and D. Sitaram Scheduling Policies with Grouping for Providing VCR Control Functions in a Video Server
 5,453,787 S. M. Hancock and M. A. Pietras Variable Spatial Frequency Chrominance Encoding in Software Motion Video Compression
 5,453,953 S. H. Dhong, H. J. Shin, and W. Hwang Bandgap Voltage Reference Generator
- 5,453,978 H. Sethu, R. F. Stucke, and C. B. Stunkel Technique for Accomplishing Deadlock Free Routing Through a Multi-Stage Cross-Point Packet Switch
 5,454,000 B. L. Dorfman Method and System for Authenticating Files
 5,454,039 D. Coppersmith and P. W. Rogaway Software-Efficient Pseudorandom Function and the Use Thereof for Encryption
 5,454,068 G. Ramanujam Scientific Visualization System
 5,454,078 D. D. Heimsoth, B. T. Hoegh, and G. T. Hunt System for Sharing Name Among Network Adapters by Dynamically Linking Adapters Having Same Logical Name and Maintaining Linked State of Remaining Adapters
 5,454,079 M. I. Roper, L. S. Evans, G. D. Wallis, A. Fyles, A. Key, and V. Sethi Computer Workstation
 5,454,080 J. L. Fasig, T. R. Fournier, and K. P. O'Marro Removable Hard Disk Drive System with Circuit for Hot Insertion and Removal Responsive to Contacts of Zero-Insertion-Force Connector on the Lateral Side of the Drive
 5,454,086 A. I. Alpert, C. E. Clark, M. H. T. Hack, C. A. Scalzi, R. J. Schmalz, and B. Sinha Dynamic Program Analyzer Facility
- 5,454,106 L. M. Burns and A. Malhotra Database Retrieval System Using Natural Language for Presenting Understood Components of an Ambiguous Query on a User Interface
 5,454,108 M. Devarakonda and A. Mohindra Distributed Lock Manager Using a Passive, State-Full Control-Server
 5,454,110 K. Kannan, D. P. Lybrand, and F. P. Novak Techniques for Supporting Operating Systems for Portable Computers
 5,454,158 R. E. Fontana, Jr., D. A. Thompson, M. L. Williams III, and C. E. Yeack-Scranton Method of Making Integral Transducer-Suspension Assemblies for Longitudinal Recording
- 5,454,390 M. J. Lawson, E. J. Leonard, and J. H. Nansen Vapor Rinse-Vapor Dry Process Tool
- 5,455,137 A. F. Diaz and A. R. Guitierrez Toner Composition
 5,455,204 D. M. Dobuzinsky, S. V. Nguyen, and T. Nguyen Thin Capacitor Dielectric by Rapid Thermal Processing
- 5,455,387 P. R. Hoffman, K. B. Prasad, T. Caulfield, and S. T. Crowley Semiconductor Package with Chip Redistribution Interposer
- 5,455,419 T. Bayer and J. Greschner Micromechanical Sensor and Sensor Fabrication Process
 5,455,452 S. Kiyono Semiconductor Package Having an LOC Structure
 5,455,723 Z.-E. Boutaghou, E. A. Cunningham, and H. H. Ottesen Method and Apparatus for Ramp Load and Unload
- 5,455,730 M. M. Dovek, J. S. Foster, D. K. F. Lam, and E. Sawatzky Contact Magnetic Recording Disk File with a Magnetoresistive Read Sensor
 5,455,775 G. D. Huber, H. Lichaa, and R. Magryta Computer Design System for Mapping a Logical Hierarchy into a Physical Hierarchy
 5,455,831 N. G. Bartow, P. J. Brown, R. S. Capowski, L. T. Fasano, T. A. Gregg, G. Salyer, D. W. Wescott, and V. P. Zeyak, Jr. Frame Group Transmission and Reception for Parallel/Serial Buses
- 5,455,843 G. Cherubini, S. Oelcer, and G. Ungerboeck Adaptive Equalizing Apparatus and Method for Token Ring Transmission Systems Using Unshielded Twisted Pair Cables
 5,455,872 M. P. T. Bradley System and Method for Enhanced Character Recognition Accuracy by Adaptive Probability Weighting

5,455,875	D. Chevion, I. Gilat, A. Heilper, O. Kagan, A. Kolsky, Y. Medan, and E. Walach	System and Method for Correction of Optical Character Recognition with Display of Image Segments According to Character Data
5,455,889	L. R. Bahl, P. de Souza, P. S. Gopalakrishnan, and M. A. Picheny	Labelling Speech Using Context-Dependent Acoustic Prototypes
5,455,899	D. C. Forslund	High Speed Image Data Processing Circuit
5,455,910	W. J. Johnson and R. P. Welch	Method and System for Creating a Synchronized Presentation from Different Types of Media Presentations
5,455,916	D. G. Bourke, D. R. Chisholm, G. D. Float, R. A. Kelley, R. Y. Liu, C. A. Malmquist, J. M. Nelson, C. B. Perkins, Jr., R. L. Place, H. R. Schwermer, and J. D. Wilson	Method for Performing Inter-Unit Data Transfer Operations Among a Plurality of Input/Output Bus Interface Units Coupled to a Common Asynchronous Bus
5,455,919	J. A. Brewer, P. R. Habermehl, and J. M. Stafford	Installation and Use of Plural Expanded Memory Managers
5,455,922	R. J. Eberhard, D. J. Goodwin, and A. T. Rundle, Jr.	Dynamic Validity Facility for Fast Purging of Translation Bypass Buffers
5,455,931	P. J. Camporese, P. J. Meaney, B. J. O'Leary, and R. F. Rizzolo	Programmable Clock Tuning System and Method
5,455,942	C. Mohan, I. S. Narang, and J. Z.-C. Teng	Partial Page Write Detection for a Shared Cache Using a Bit Pattern Written at the Beginning and End of Each Page
5,455,944	D. J. Haderle and C. Mohan	Method for Managing Logging and Locking of Page Free Space Information in a Transaction Processing System
5,455,946	C. Mohan and I. S. Narang	Method and Means for Archiving Modifiable Pages in a Log Based Transaction Management System
5,455,949	R. O. Conder, J. A. Grantz, S. A. Plaetzer, R. M. Smith, and W. N. J. Tindall	Method for Representing and Signaling Run-Time Program Conditions
5,455,958	G. A. Flurry and L. W. Henson	Rendering Context Manager for Display Adapters
5,456,081	G. M. Chrysler, R. C. Chu, R. E. Simons, and D. T. Vader	Thermoelectric Cooling Assembly with Optimized FIN Structure for Improved Thermal Performance and Manufacturability
5,456,788	S. G. Barbee, M. Datta, T. F. Heinz, L. Li, E. H. Ratzlaff, and R. V. Shenoy	Method and Apparatus for Contactless Real-Time In-Situ Monitoring of a Chemical Etching Process
5,457,005	E. D. Babich, J. D. Gelorme, R. W. Nunes, S. L. Nunes, J. R. Paraszczak, and R. J. Serino	Dry Developable Photoresist and Use Thereof
5,457,071	E. J. Dombroski	Stackable Vertical Thin Package/Plastic Molded Lead-on-Chip Memory Cube
5,457,299	C. Blais and P. A. Chalco	Semiconductor Chip Packaging Method Which Heat Cures an Encapsulant Deposited on a Chip Using a Laser Beam to Heat the Back Side of the Chip
5,457,415	E. S. Schlig	Charge Metering Sampling Circuit and Use Thereof in TFT/LCD
5,457,345	H. C. Cook, P. A. Farrar, Sr., R. M. Geffken, W. T. Motsiff, and A. E. Wirsing	Metallization Composite Having Nickle Intermediate/Interface
5,457,658	H. Nijjima, H. Asano, Y. Sakaue, and T. Toyooka	Nonvolatile Memory with Cluster-Erase Flash Capability and Solid State File Apparatus Using the Same
5,457,680	D. A. Kamm, S. T. Parker, M. A. Trimmer, Jr., and S. L. Trimmer	Data Gateway for Mobile Data Radio Terminals in a Data Communication Network
5,457,718	C. J. Anderson, A. X. Widmer, and K. R. Wrenner	Compact Phase Recovery Scheme Using Digital Circuits
5,457,775	L. E. Johnson, Jr., D. J. Kokoszka, S. P. Larky, and P. Sidoli	High Performance Triangle Interpolator
5,457,787	H. Asano and M. Murakami	Interface Circuit for Controlling Data Transfers
5,457,789	W. C. Dietrich, Jr., M. A. Lavin, H. Li, and M.-C. Sheng	Method and Apparatus for Performing Memory Protection Operations in a Single Instruction Multiple Data System
5,457,793	D. A. Elko, J. A. Frey, B. B. Moore, J. M. Nick, K. F. Smith, and M. D. Swanson	Software Cache Management of a Shared Electronic Store in a Supplex
5,457,882	N. B. Clarke, L. G. Cook, R. G. Doyle, and M. Renner	Method of Making Conductive Molded Tip Head Assembly
5,458,281	A. J. Downing, D. C. Foster, and K. J. Puttlitz	Method for Removing Meltable Material from a Substrate
5,458,520	T. A. DeMercurio, K. H. Wong, and R. Yu	Method for Producing Planar Field Emission Structure
5,458,756	E. Bassous, J.-M. Halbout, S. S. Iyer, and V. P. Kesan	Apparatus for Producing Porous Silicon on a Substrate
5,458,908	M. T. Krounbi, K. T. Kung, and C. H. Tsang	Method of Fabricating a Magnetoresistive Read Transducer
5,459,001	S. A. Estes, T. B. Faure, and S. C. Nash	Low Stress Electrodeposition of Gold for X-Ray Mask Fabrication

5,459,309	N. Kagami and M. Takekoshi	Focus Acquiring Method and Optical Disk Drive
5,459,624	K. J. Erickson and A. H. Sacks	Activator Control Method and Apparatus for Positioning a Transducer Using a Phase Plane Trajectory Through Function for a Direct Access Storage Device with Estimated Velocity and Position States
5,459,628	P. E. Brooks	Disk Drive with Profiled Attachment of a Spindle and Hub
5,459,725	R. A. Bodner, C.-S. Chow, I. Cidon, J. G. Dudley, A. K. Edwards, I. S. Gopal, C. P. Immanuel, M. A. Kaplan, S. Kutten, and T. E. Tedijanto	Reliable Multicasting Over Spanning Trees in Packet Communications Networks
5,459,740	R. J. Glaise	Method and Apparatus for Implementing a Triple Error Detection and Double Error Correction Code
5,459,821	S. Kuriyama, H. Minakata, N. Urano, and K. Shimizu	Method and Apparatus for Generating a Free-Form Surface
5,459,831	E. A. Brewer and M. B. Pinson	Method for Selecting Graphical Objects in Quadrants with a Cursor
5,459,838	A. S. Coscarella and J. L. Temple	I/O Access Method for Using Flags to Selectively Control Data Operation Between Control Unit and I/O Channel to Allow Them to Proceed Independently and Concurrently
5,459,839	J. S. Swarts and G. L. Rouse	System and Method for Managing Queue Read and Write Pointers
5,459,842	R. M. Begun, P. W. Browne, M. R. Faucher, G. L. Frank, and C. M. Herring	System for Combining Data from Multiple CPU Write Requests Via Buffers and Using Read-Modify-Write Operation to Write the Combined Data to the Memory
5,459,843	G. T. Davis, S. T. Ventrone, J. J. Reilly, B. D. Mandalia, M. G. Holung, and W. R. Robinson, Jr.	RISC-Type Pipeline Processor Having N Slower Execution Units Operating in Parallel Interleaved and Phase Offset Manner with a Faster Fetch Unit and a Faster Decoder
5,459,844	R. J. Eickemeyer, S. Vassiliadis, and B. Blaner	Predecode Instruction Compounding
5,459,849	J. J. Bergkvist, Jr., M. J. Peters, and D. M. Wronski	Method and Apparatus for Compressing Cacheable Data
5,459,853	J. S. Best, S. R. Hetzler, R. F. Hoyt, J. M. Menon, and M. F. Mitoma	Efficient Variable-Block Data Storage System Employing a Staggered Fixed-Block-Architecture Array
5,459,858	L. E. Lyon and R. L. Teed	Method for File Transfer
5,459,860	C. J. Burnett and G. L. Haas	Computerized System and Process for Managing a Distributed Database System
5,459,864	G. A. Brent, T. J. Dewkett, C. R. Panner, and C. A. Scalzi	Load Balancing, Error Recovery, and Reconfiguration Control in a Data Movement Subsystem with Cooperating Plural Queue Processors
5,459,870	H. Iwasa, M. Murakami, and H. Saitoh	Interface Circuit for Controlling Data Transfers
5,460,476	J. M. Gazza	Dual Gripper Picker Assembly for an Automated Storage System
5,460,858	S. Yamada and M. Shirai	Method for Forming a Smooth-Surfaced Insulating Layer
5,460,907	S. P. Ducharme, W. E. Moerner, J. C. Scott, and R. J. Twieg	Photorefractive Materials
5,460,921	D. A. Cywar, C. R. Davis, T. P. Duffy, F. D. Egitto, P. J. Hart, G. W. Jones, and E. McLeskey	High Density Pattern Template: Materials and Processes for the Application of Conductive Pastes
5,461,203	K. J. Blackwell, P. C. Chen, F. D. Egitto, A. R. Knoll, G. J. Matarese, and L. J. Matienzo	Electronic Package Including Lower Water Content Polyimide Film
5,461,243	B. A. Ek, S. S. Iyer, P. M. Pitner, A. R. Powell, and M. J. Tejwani	Substrate for Tensilely Strained Semiconductor
5,461,250	J. N. Burghartz, B. S. Meyerson, and Y.-C. Sun	SiGe Thin Film or SOI MOSFET and Method for Making the Same
5,461,324	J. E. Boyette, C. M. Fleck, J. C. Mahlbacher, and M. Servedio	Split-Fixture Configuration and Method for Testing Circuit Traces on a Flexible Substrate
5,461,331	E. B. Schorn	Dynamic to Static Logic Translator or Pulse Catcher
5,461,399	B. J. Cragun	Method and System for Enabling Visually Impaired Computer Users to Graphically Select Displayed Objects
5,461,415	J. L. Wolf and P. S. Yu	Look-Ahead Scheduling to Support Video-on-Demand Applications
5,461,455	P. W. Coteus and D. S. Goodman	Optical System for the Projection of Patterned Light onto the Surface of Three Dimensional Objects
5,461,536	D. B. Beach, A. Grill, and C. J. Smart	Storage Capacitors Using High Dielectric Constant Materials
5,461,600	W. D. Pohl	High-Density Optical Data Storage Unit and Method for Writing and Reading Information
5,461,611	J. E. Drake, Jr., E. A. Hervatic, J. W. Pace, R. J. Potok, and D. E. Taber	Quality of Service Management for Source Routing Multimedia Packet Networks
5,461,631	M. M. Blaum, J. Bruck, and C. M. Melas	Method for Bit Resynchronization of Code-Constrained Sequences
5,461,638	R. A. Hutchins, C. M. Melas, and P. Sutardja	Discrete Time Control Loop Method for Clocking Data in an Asynchronous Channel
5,461,641	J.-C. Abbiate, A. Blanc, P. Jeannot, and G. Richter	Decimation Filter for a Sigma-Delta Converter and A/D Converter Using the Same