

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.

Federal Republic of Germany

3,583,039,508	H. E. Korth	Read/Write Head for Optical Disks
3,677,986,508	H. Schettler, O. Wagner, R. Zuehlke, and T. Ludwig	Method for Digital Slope Control of Output Signals of Power Amplifiers in Semiconductor Chips
3,678,296,308	F. Druschke	Surface Treatment Composition for Glass Fibers, Method of Coating Glass Fibers with Said Composition, and Method of Preparing Glass
3,679,313,208	A. Blum	Arrangement and Method for External Test Access to the Chip-Internal Functional Storage Elements of High Integration Logic Networks

France

212,030	F. Maddens	Device for Detecting a Data Signal Energy Drop
243,561	C. Galand, G. Roulier, H. Cerf-Danon, and R. Vermot-Gauchy	Tone Detection Process and Device for Implementing Said Process
253,039	F. Bigo and F. Le Maut	Method and Device for Protecting Modems Against Echoes
253,940	J. L. Picard	Method and System of Routing Data Blocks in Data Communication Networks
329,910	B. A. Denis, C. Akrou, P. Coppens, and P. Y. Urena	Double Stage Sense Amplifier for Random Access Memories

Sweden

208,149	R. E. Kelly	Method for Hidden Line Removal
464,040	M. Al-Jaroudi	Drive Device

Switzerland

247,219	D. Pohl, J. K. Gimzewski, U. T. Duerig, and W. D. Pohl	Direct Access Storage Unit
290,647	D. Pohl	Oscillating Quartz Atomic Force Microscope

United Kingdom

246,375	A. R. Hearn, F. E. Castle, and R. A. Cooper	Head/Arm Assembly and Rotary Access Mechanism for a Disk File
262,507	D. A. Clarke	Semiconductor Integrated Pressure Transducer
2,013,505	M. H. Sharp	Data Storage Unit
2,013,805	J. A. Wiseman, K. Yamazaki, and T. J. Rodd	Display Monitor

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2,202,718	P. W. Norris, R. B. Harrison, and R. T. Wood	Display Adapter
2,205,941	M. J. Garrett	Manually Operated Control Device
United States		
4,896,291	S. B. Gest and F. W. Wymore	Valuator Menu for Use as a Graphical User Interface Tool
4,995,744	M. P. Goldowsky, T. Hisano, J. P. Karidis, H. Shibuya, and O. Ueda	Impact Printer Actuator Using Magnet and Electromagnetic Coil and Method of Manufacture
4,996,660	T. J. Beacom and D. L. Freerksen	Selection of Divisor Multipliers in a Floating Point Divide Circuit
5,000,592	C. R. Grady	Envelope Addressing Format Feature for Electronic Typewriters
5,003,429	D. L. Baker, J. Funari, W. F. Otto, B. G. Sammakia, and R. J. Stutzman	Electronic Assembly with Enhanced Heat
5,010,257	G. Boudon, P. Mollier, J.-P. Nuez, I. Ong, P. Tannhof, and F. Wallart	BICMOS Logic Circuit with Full Swing Operation
5,010,344	M. E. Nagy	Method of Decoding Compressed Data
5,010,345	M. E. Nagy	Data Compression Method
5,010,389	P. Gansauge, V. Kreuter, and H. Schettler	Integrated Circuit Substrate with Contacts Thereon for a Packaging Structure
5,010,476	G. T. Davis	Time Multiplexed System for Tightly Coupling Pipelined Processor to Separate Shared Instruction and Data Storage Units
5,010,491	A. Biasillo and R. C. Taylor	Automated System for Machining Parts to Close Tolerances
5,010,512	A. M. Hartstein and R. H. Koch	Neural Network Having an Associative Memory That Learns by Example
5,010,514	B. W. Kippenhan and A. W. Maholick	Structured Fields at a Data Stream Boundary for Delimiting Files
5,010,524	J. A. Fifield and H. L. Kalter	Crosstalk-Shielded-Bit-Line DRAM
5,010,548	Y. Granger and D. Wind	Scanner Interface for the Line Adapters of a Communication Controller
5,011,658	D. S. Niedrich	Copper Doped Low Melt Solder for Component Assembly and Rework
5,012,128	Y. H. Chan	High Speed Push-Pull Driver Having Current Mirror Pull-Down
5,012,246	P. W. Chung, K. R. Hense, and K. Y. Nguyen	BICMOS Analog-to-Digital Converter with Minimized Metastability
5,012,289	C. S. Aldrich, S. L. Applegate, J. A. Craft, J. J. Molloy, and M. L. Pawley	Toner Metering Apparatus
5,012,293	C. S. Aldrich, S. Dyer, and G. L. Ream	Transfer Station Control in an Electrophotographic Reproduction Device
5,012,325	M. S. Mansuria, J. M. Mosley, R. D. Musa, and V. J. Tuozzolo	Thermoelectric Cooling Via Electrical Connections
5,012,363	S. Mine, Y. Miwa, and H. Ono	Servo Pattern Writing Method for a Disk Storage Device
5,012,368	M. H. Bosier and G. Dixon	Magnetic Head/Support Assembly and Access Mechanism for a Disk File
5,012,433	R. M. Callahan, B. C. Hempel, and B. C. Liang	Multistage Clipping Method
5,012,435	R. N. Bailey, R. L. Mansfield, and A. K. Spencer	Multiple Event Timer Circuit
5,013,167	J. M. Ervin, M. M. Ingerman, and R. E. Jones	Bounded Word Replace Function for an Electronic Typewriter Erasing a Zone Bounded by Erroneous Characters
5,013,247	J. L. Watson	Fiber Optic Connector Assembly Adapted for Providing Circuit Card Charging
5,013,395	L. R. Blumberg, D. D. Coolbaugh, J. A. Kurowski, and E. A. Stromecki	Continuous Regeneration of Acid Solution
5,013,944	J. H. Fischer, L. J. Grasso, D. E. Hoffman, D. E. Skooglund, and D. K. Young	Programmable Delay Line Utilizing Measured Actual Delays to Provide a Highly Accurate Delay
5,014,117	J. L. Horvath, R. G. Biskeborn, and C. Yakubowski	High Conduction Flexible Fin Cooling Module
5,014,147	S. S. P. Parkin, K. P. Roche, and V. S. Speriosu	Magnetoresistive Sensor with Improved Antiferromagnetic Film
5,014,164	G. E. Casa and J. W. Gernon	Cable Organizer
5,014,186	D. R. Chisholm	Data-Processing System Having a Packet Transfer Type Input/Output System
5,014,187	J.-C. Debize, Y. Hartmann, P. Huon, and M. Peyronnenc	Adapting Device for Accommodating Different Memory and Bus Formats
5,014,197	J. L. Wolf	Assignment of Files to Storage Device Using Macro and Micro Programming Model Which Optimized Performance of Input/Output Subsystem
5,014,236	J. S. Pogorzelski and C. H. Shempert	Input/Output Bus Expansion Interface
5,015,108	J. H. Paterra and D. K. Rex	Ribbon Print Tract Reinking with a Roll System

5,015,594	S.-F. S. Chu, S.-M. Ku, R. C. Lange, J. F. Shephard, P. J. Tsang, and W.-Y. Wang	Process of Making BICMOS Devices Having Closely Spaced Device Regions
5,015,719	K. I. Papatomas, W. J. Summa, and D. W. Wang	Aromatic Dicyanate/Aromatic Diepoxy Compositions, Cured Products and Methods
5,015,880	C. E. Drake, H. L. Kalter, and S. C. Lewis	CMOS Driver Circuit
5,015,881	B. A. Chappell, T. I. Chappell, and S. E. Schuster	High Speed Decoding Circuit with Improved AND Gate
5,016,087	W. E. Haug, E. Klink, K. E. Kröll, T. Ludwig, H. Schettler, R. Stahl, and O. M. Wagner	Integrated Circuit Package
5,016,090	G. T. Galyon, G. M. Jordhamo, K. P. Moran, and M. L. Zumbrennen	Cross-Hatch Flow Distribution and Applications Thereof
5,016,160	S. M. Lambeth, L. P. Prissel, and W. D. Tarara	Computer System Having Efficient Data Transfer Operations
5,016,168	L. Liu	Method for Storing into Non-Exclusive Cache Lines in Multiprocessor Systems
5,016,247	I. Cidon and I. S. Gopal	Multihop Time Assigned Speech Interpolation (TASI) System for Telecommunication Networks
5,016,275	T. A. Smith	Buffered Encryption/Decryption
5,017,010	H. J. Mamin and D. Rugar	High Sensitivity Position Sensor and Method
5,017,144	M. Waidhofer	Radar Detector Adaptor
5,017,990	T.-C. Chen, C.-T. K. Chuang, G.-P. Li, and T. H. Ning	Raised Base Bipolar Transistor Structure and Its Method of Fabrication
5,018,060	J. P. Gelb and J. C. Tyrrell	Allocating Data Storage Space of Peripheral Data Storage Devices Using Implied Allocation Based on User Parameters
5,018,063	L. Liu	Method for Reducing Cross-Interrogate Delays in a Multiprocessor System
5,018,077	M. J. Healey	Data Processing Machines
5,018,093	F.-H. W. Shih	High Performance Self-Checking Adder Having Small Circuit Area
5,018,126	J. E. Kulakowski, R. J. Means, D. M. Oldham, and M. Tayefeh	Checking Media Operations and Recording During Optical Recording
5,018,201	K. Sugawara	Speech Recognition Dividing Words into Two Portions for Preliminary Selection
5,018,211	R. S. Jaffe and J. R. Mandeville	System for Detecting and Analyzing Rounded Objects
5,018,311	G. D. Malagrino, Jr. and D. A. Nelson	Magnetic Disk Burnishing Method and Apparatus
5,018,887	C. M. McCray, B. S. Nadler, D. M. Sedgwick, and D. M. Traxler	Forms Feed Tractor Having Modified Pin Spacing
5,019,530	A. W. Kleinsasser and J. M. Woodall	Method of Making Metal-Insulator-Metal Junction Structures with Adjustable Barrier Heights
5,019,707	G. L. Chiu and J.-M. Halbout	High Speed Waveform Sampling with a Tunneling Microscope
5,019,772	J. H. Dreibelbis, J. A. Gabric, and E. L. Hedberg	Test Selection Techniques
5,019,882	P. M. Solomon and S. L. Wright	Germanium Channel Silicon MOSFET
5,019,992	G. T. Brown, D. B. Millis, P. R. Reynolds, and R. P. Nowak	System for Designing Intercommunication Networks
5,020,023	T. B. Smith	Automatic Vernier Synchronization of Skewed Data Streams
5,020,027	D. B. Cochran	Memory Cell with Active Write Load
5,020,244	N. C. Smith	Method and Apparatus for Drying Liquid on Printed Media
5,020,789	D. A. Droge, J. B. Lyerly, W. E. Mott, L. W. Whitehead, and M. G. Yenik	Drive Up Teller Machine
5,020,999	J. R. Dewitt and J. H. Neer	Personal Computer with Connector Assembly Having Integral Retainer
5,021,922	M. R. Davis, R. W. Martin, H. Nomura, R. F. Pollitt, E. Wittner, and W. Yoshikawa	Portable Personal Computer
5,021,949	R. M. Morten and T. P. Smith	Method and Apparatus for Linking an SNA Host to a Remote SNA Host Over a Packet Switched Communications Network
5,021,973	I. H. Hernandez and B. H. Marchart	Method for Assisting the Operator of an Interactive Data Processing System to Enter Data Directly into a Selected Cell of a Spreadsheet
5,022,006	J. A. Fifield and S. W. Tomashot	Semiconductor Memory Having Bit Lines with Isolation Circuits Connected Between Redundant and Normal Memory Cells
5,022,462	E. B. Flint, K. R. Grebe, P. A. Gruber, and A. R. Zingher	Flexible Finned Heat Exchanger
5,022,765	D. Guidotti, S. Tan, and J. G. Wilman	Nulling Optical Bridge for Contactless Measurement of Changes in Reflectivity and/or Transmissivity
5,023,164	W. R. Brunsvold, P. Chiu, W. E. Conley, Jr., D. M. Crockatt, M. W. Montgomery, and W. M. Moreau	Highly Sensitive Dry Developable Deep UV Photoresist

5,023,360	T. H. Baum, P. J. Brock, and D. J. Dawson	Simplified Synthesis of Dialkylgold (III) Beta-Diketonates
5,023,533	H. Ishikawa and K. Kawase	Method and System for Compliance Control
5,023,671	D. P. DiVincenzo, K. Y. Lee, and T. P. Smith III	Microstructures which Provide Superlattice Effects and One-Dimensional Carrier Gas Channels
5,023,754	C. J. Aug, W. J. Casanova, W. D. Corfits, R. F. Dimmick, and S. E. Wheeler	Double-Sided Backplane Assembly
5,023,772	R. P. King	Method and System for Storing Messages Based Upon a Non-Queried Name Assignment
5,023,773	R. I. Baum, T. L. Borden, J. R. Butwell, C. E. Clark, A. G. Ganek, J. Lum, M. G. Mall, D. R. Page, K. E. Plambeck, C. A. Scalzi, and R. J. Schmalz	Authorization for Selective Program Access to Data in Multiple Address Spaces
5,023,776	S. L. Gregor	Store Queue for a Tightly Coupled Multiple Processor Configuration with Two-Level Cache Buffer Storage
5,023,813	J. K. Brown III	Non-Volatile Memory Usage
5,023,841	C. Akrouf, P. Coppens, B. Denis, and P.-Y. Urena	Double State Sense Amplifier for Random Access Memories
5,023,851	D. F. Murray, J. M. Pringle, G. C. Strope, and S. P. Berkson	Method for Presenting Electronic Calendar Information in an Interactive Information Handling System
5,023,867	M. Badaoui, R. Dambricourt, J.-P. Franquenouille, C. Garcia, Y. Granger, and S. Spalmacin-Roma	Protocol and Apparatus for Selectively Scanning a Plurality of Lines Connected to a Communication Device
5,023,873	J. G. Stevenson and R. C. Williams	Method and Apparatus for Communication Link Management
5,023,918	J. S. Lipscomb	Cross-Product Filter
5,024,127	W. F. Mueller, G. Popp, and G. W. Vanderghynst	Punching Mechanism
5,024,725	C. J. Chen	Method for Self-Induced Repair of Circuit Shorts and Near-Shorts
5,024,896	G. S. Mathad, D. Stanosolovich, and G. G. Via	Collimated Metal Deposition
5,024,957	D. L. Haramé and J. M. C. Stork	Method of Fabricating a Bipolar Transistor with Ultra-Thin Epitaxial Base
5,025,337	P. E. Brooks	Recirculating Air Filter System for Rotating Disk Drives
5,025,396	C. A. Parks, R. E. Probst, D. Rajagopal, and G. L. Youngs	Method and Apparatus for Merging a Digitized Image with an Alphanumeric Character String
5,025,458	D. F. Casper, J. R. Flanagan, T. A. Gregg, C. C. Huang, and M. J. Kalos	Apparatus for Decoding Frames from a Data Link
5,025,483	R. F. Dinan, H. C. Fallon, J. R. Malin, R. R. Rodite, C. F. Rohe, and G. D. Rohrer	System for Scanning Documents Without Loss of Image Data