

Recent IBM Patents

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

Canada		
1,079,804	M. Cappa	Voltage Sequencing Circuit for Sequencing Voltage
France		
7,534,716	J. P. Temime	Process for Block Quantizing an Electrical Signal Device for Implementing Said Process
7,540,418	J. F. Joudinaud, J. P. Rosseau, and B. Denis	Write Speed-up Device for Storage Cells
Germany		
2,001,184	W. Scheerer	Surface-Controlled Semiconductor Device
2,034,889	H. Berger and S. Wiedmann	Improved Monolithic Matrix Memory
2,039,499	K. Helwig	Surface-Controlled Semiconductor Device
2,530,888	D. J. Bahr and K. H. Burckardt	Electro Erosion Printing Head
2,816,980	L. Arzubi, R. Clemen, and J. Gschwendtner	FET-Drive Switch with Short Switching Times
2,851,750	G. Makosch and B. Solf	Interferometric Measuring Method
United Kingdom		
1,564,264	D. J. Barclay, A. C. Lowe, D. H. Martin, and C. L. Bird	Electrochromic Display Device
1,567,974	B. L. Gordon	Improvements in Digital Data Processing Systems
United States		
4,201,464	A. J. Botte, J. H. Hubbard, and P. R. Spivey	Copy Production Machines Having Job Separation Capabilities
4,201,616	L. N. Chellis and T. L. Ellis	Dimensionally Stable Laminated Printed Circuit Cores or Boards and Method of Fabricating Same
4,201,800	G. E. Alcorn, D. L. Bergeron, and G. B. Stephens	Hardened Photoresist Master Image Mask Process
4,201,921	R. A. McCorkle	Electron Beam-Capillary Plasma Flash X-Ray Device
4,201,941	C. A. Fyfe, H. G. Mossbrugger, and C. S. Yannoni	Spinning Apparatus for NMR Spectrometers
4,201,976	A. M. Patel	Plural Channel Error Correcting Methods and Means Using Adaptive Reallocation of Redundant Channels Among Groups of Channels
4,201,999	J. K. Howard, F. E. Turene, and J. F. White	Low Barrier Schottky Diodes
4,202,002	F. H. De La Moneda	Ion-Implanted Layers with Abrupt Edges
4,202,007	W. E. Dougherty and S. E. Greer	Multi-Layer Dielectric Planar Structure having an Internal Conductor Pattern Characterized with Opposite Terminations Disposed at a Common Edge Surface of the Layers
4,202,020	J. L. Lovgren and W. P. Quinlan	Magnetic Head Load Control System
4,202,039	G. I. Epenoy, R. Kuhne, B. Laurent, and P. E. Thirion	Specialized Microprocessor for Computing the Sum of Products of Two Complex Operands
4,202,044	K. E. Beilstein, Jr. and H. N. Kotecha	Quaternary FET Read Only Memory
4,203,054	B. R. Sowter	Correction Factor Signals for Cathode Ray Tubes
4,203,102	A. F. Hydes	Character Display System
4,203,129	S. Oktay, G. J. Torgersen, and A. C. Wong	Bubble Generating Tunnels for Cooling Semiconductor Devices
4,203,137	J. W. Beck and D. P. McCown	Dual Mode Read Preamplifier with Electrical Short Detector
4,203,166	W. F. Ehrsam, R. C. Elander, S. M. Matyas, C. H. W. Meyer, R. J. Sahulka, and W. L. Tuchman	Cryptographic File Security for Multiple Domain Networks
4,203,543	D. Staiger	Pattern Generation System
4,203,585	B. H. Kunz, M. F. Shlatz, and J. W. Spears	Document Feed for a Copier Machine
4,203,589	F. V. Arrasmith	Jam Detector
4,203,800	J. R. Kitcher, G. M. Ozols, and B. N. Zingerman	Reactive Ion Etching Process for Metals
4,204,009	B.-C. Feng and G. C. Feng	Two Layer Resist System
4,204,089	B. D. Key, J. Smith, and S. C. Kerigan	Keyboard Method and Apparatus for Accented Characters

4,204,130	J. H. Harris	Multicollector Transistor Logic Circuit
4,204,193	E. N. Schroeder	Adaptive Alignment for Pattern Recognition System
4,204,234	D. L. Noble	System for Positioning Single Gap Magnetic Head to Follow Moving Recorded Data Track
4,204,249	M. Dye and R. C. J. Hyde	Data Processing System Power Control
4,204,633	P. Goel	Logic Chip Test System with Path Oriented Decision Making Test Pattern Generator
4,204,634	H. E. Barsuhn, U. Olderdissen, and W. Schmidt	Storing Partial Words in Memory
4,204,725	T. H. DiStefano and L. Kuhn	Apparatus for Detecting Information Stored on Photocopying Media, Transmitting and Storing the Same
4,205,303	C. F. Barnhart	Performing Arithmetic Using Indirect Digital-to-Analog Conversion
4,205,324	A. M. Patel	Methods and Means for Simultaneously Correcting Several Channels in Error in a Parallel Multi Channel Data System Using Continuously Modifiable Syndromes and Selective Generation of Internal Channel Pointers
4,205,374	H. Bardsley III, F. A. Luiz, N. F. Nilsen, and R. C. Simpson	Method and Means for CPU Recovery of Non-Logged Data from a Storage Subsystem Subject to Selective Resets
4,205,922	R. A. Pascoe	Font and Column Format Control System
4,206,026	M. Briska, W. W. Hoffmeister, and K. P. Thiel	Phosphorus Diffusion Process for Semiconductors
4,206,254	A. F. Schmeckenbecher	Method of Selectively Depositing Metal on a Ceramic Substrate with a Metallurgy Pattern
4,206,315	S. M. Matyas, C. H. W. Meyer, and W. L. Tuchman	Digital Signature System and Apparatus
4,206,472	W.-K. Chu, J. K. Howard, and J. F. White	Thin Film Structures and Method for Fabricating Same
4,206,996	G. A. Clark, F. W. Johnson, and G. G. Promis, Jr.	Job Recovery Method and Apparatus
4,207,011	R. A. Pascoe	Line Spacing and Column Format Control System
4,207,488	M. O. Aboelfotoh	Dielectric Overcoat for Gas Discharge Panel
4,207,609	F. A. Luiz, H. C. Snyder, and J. H. Sorg, Jr.	Method and Means for Path Independent Device Reservation and Reconnection in a Multi-CPU and Shared Device Access System
4,208,079	P. G. Prado, R. L. Stuckey, and F. O. Volles	High Density Integrated Package
4,208,081	D. H. Kekas, R. C. Lynch, J. A. Mathewson, R. P. McAdams, and H. Pasterchick, Jr.	Easily Reconfigurable Data Entry Terminal
4,208,447	G. Bate and L. P. Dunn	Method for Disorienting Magnetic Particles
4,208,595	L. A. Gladstein, R. D. Love, and L. C. Martin	Substrate Generator
4,208,678	W. H. Laman	Stabilized Rotation of Flexible Disk Files
4,208,681	M. R. Hatchett	Cartridge Type Record Player Having a Three Position Holder
4,208,683	S. P. Kleczkowski	Frusto-Conical Magnetic Recording Disc
4,208,684	D. M. Janssen, R. E. Kellow, Sr., W. A. Picker, and A. J. Radman, Jr.	Damper for Constant Load Arm
4,208,685	A. Matla, H. D. Matthaei, and V. W. Zimmermann	Disk Storage Apparatus Having an Electrically Tuned Head-Carriage Actuator
4,208,740	H.-B. Yin and R. J. Hallett	Adaptive Delta Modulation System
4,209,129	R. G. Haas and C. V. Lent	Cooling Manifold for Multiple Solenoid Operated Punching Apparatus
4,209,248	D. K. Gibson and R. O. Jones	Continuously Variable Reduction Copier Optics Systems
4,209,349	I. T. Ho and J. Riseman	Method for Forming a Narrow Dimensioned Mask Opening on a Silicon Body Utilizing Reactive Ion Etching
4,209,350	I. T. Ho and J. Riseman	Method for Forming Diffusions Having Narrow Dimensions Utilizing Reactive Ion Etching
4,209,809	H. K. Chang and W. H. Hausen	Apparatus and Method for Record Reorientation Following Error Detection in a Data Storage Subsystem
4,209,839	S. Bederman	Shared Synchronous Memory Multiprocessing Arrangement
4,209,845	D. A. Berger and J. W. Welch	File Qualifying and Sorting System
4,209,848	R. J. Braun and G. R. Carden	Magnetic Domain Device Shield
4,210,470	J. C. Marinace	Epitaxial Tunnels from Intersection Growth Planes
4,210,806	A. N. Broers	High Brightness Electron Probe Beam and Method
4,210,858	L. W. Ford, A. M. Ramirez, and G. L. Smith	High Frequency High Voltage Power Supply
4,210,885	C. W. Ho	Thin Film Lossy Line for Preventing Reflections in Microcircuit Chip Package Interconnections
4,210,921	S. M. Faris	Polarity Switch Incorporating Josephson Devices
4,211,147	H. A. Panissidi, G. L. Shelton, Jr., and P. M. Will	Servo-Control Valve for a Linear Hydraulic Motor

4,211,483	N. A. Hannigan and T. Travis	Copy Production Machines Having Job Separation and Collation Capabilities
4,211,499	R. E. Hunt and E. G. Souliere	Paper Feeding Control Apparatus
4,211,505	J. P. Babinski, B. I. Bertelsen, K. H. Raacke, and V. H. Sirgo	Fluidic Transport Intersection
4,211,582	C. T. Horng and R. O. Schwenker	Process for Making Large Area Isolation Trenches Utilizing a Two-Step Selective Etching Technique
4,211,586	F. F. Fang and K. K. Shih	Method of Fabricating Multicolor Light Emitting Diode Array Utilizing Stepped Graded Epitaxial Layers
4,211,616	C. J. Sambucetti	Electrochromic Printing System
4,211,803	M. E. Cowher and T. O. Sedgwick	CVD Growth of Magnetic Oxide Films Having Growth Induced Anisotropy
4,211,834	C. Lapadula and B. J. Lin	Method of Using a O-Quinone Diazide Sensitized Phenol-Formaldehyde Resist as a Deep Ultraviolet Light Exposure Mask
4,212,026	P. S. Balasubramanian, C. R. Bertin, and S. B. Greenspan	Merged Array PLA Device, Circuit, Fabrication Method and Testing Technique
4,212,349	F. E. Andros and R. J. E. Shay	Micro Bellows Thermo Capsule
4,212,420	E. F. Helinski	Ribbon Storage Device
4,212,550	E. F. Helinski	Ribbon Storage Mechanism Having Eccentrically Mounted Feeding Elements
4,212,552	J. D. Bemis and W. Goff, Jr.	Impact Printer Cardholder with Integral Ribbon Guide and End of Ribbon Sensor
4,212,553	R. G. Acosta, M. E. McBride, and R. A. Pascoe	Tabulation Control System Having Two Electronic Tab Racks
4,212,935	B. J. Canavello, M. Hatzakis, and J. M. Shaw	Method of Modifying the Development Profile of Photoresists
4,213,053	H. C. Pfeiffer	Electron Beam System with Character Projection Capability
4,213,178	M. F. Diez, D. O. Lewis, and T. S. Robinson	Input/Output Command Timing Mechanism
4,213,190	D. E. Finlay, W. E. Robbins, and T. Travis	Programmed Copier Control
4,213,575	R. V. D. Firth III and W. Goff, Jr.	Printer Ribbon Supply Mechanism with End of Ribbon Detect Expedient which Reduces Ribbon Drag
4,213,694	R. E. Kuseski	Copy Production Machines
4,214,221	B. R. Sowter and W. A. Warwick	Convergence Assembly for Cathode Ray Tube
4,214,234	J. E. Cunningham, Jr. and A. Grombone	Range Tracking Analog to Digital Converter for Use with a Bridge
4,214,256	H. M. Dalal, M. Ghafghaichi, L. A. Kasprzak, and H. Wimpfheimer	Tantalum Semiconductor Contacts and Method for Fabricating Same
4,214,279	R. K. Oswald	Clocking System for Servo Signal Having Two or More Harmonically Related Frequencies
4,214,315	N. G. Anantha, H. S. Bhatia, and J. L. Walsh	Method for Fabricating Vertical NPN and PNP Structures and the Resulting Product
4,214,807	F. Gfeller and D. Wild	Holographic Optical Satellite Communication System
4,214,946	L. E. Forget, R. A. Gdula, and J. C. Hollis	Selective Reactive Ion Etching of Polysilicon Against SiO ₂ Utilizing SF ₆ -Cl ₂ -Inert Gas Etchant
4,215,156	H. M. Dalal, M. Ghafghaichi, L. A. Kasprzak, and H. Wimpfheimer	Method for Fabricating Tantalum Semiconductor Contacts
4,215,402	G. R. Mitchell and M. E. Houdek	Hash Index Table Hash Generator Apparatus
4,215,422	W. R. McCray and E. V. Rutkowski, Jr.	Selectively Modifiable Phase Storage for a Typewriter