

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.

Canada

105,454	P. M. Alfonso	Small System Processor
105,455	P. M. Alfonso	Small System Processor
258,135	D. K. Smith	Data Stream Shaping of Arabic Characters
1,264,464	D. K. Smith	Mode and Configuration Indicator for a Computer

Federal Republic of Germany

3,041,071	A. Schmitt, K. Brack, and K. Malin	Method of Processing High Temperature Semiconductor Wafers
3,380,678,008	S. K. Wiedmann	Semiconductor Memory
3,479,643,608	A. Bohg and K. Hartmann	Print Hammer Bank in Modular Design
3,480,443,908	S. K. Wiedmann	Semiconductor Memory Having Subarrays
3,480,962,708	A. Blum	Method and Apparatus for Bus Arbitration in a Data Processing System
3,537,319,508	H. Maier	Circuit Arrangement for Load Testing Low-Voltage Current Sources
3,572,244,408	F. C. Wernicke, G. Andrusch, H. Barsuhn, J. Baisch, and S. K. Wiedmann	Stability Testing of Semiconductor Memories
3,573,564,308	A. Bohg, B. Gantz, G. Wolfert, K. Hartmann, and L. Fischer	Electromagnetic Actuator Mechanism in Particular for Print Hammer Devices
3,574,072,808	D. Gnam and E. Kleinbeck	Ink Ribbon for Printing on Ceramic Material
3,574,280,108	G. Makosch	Method and Arrangement for Optically Determining Surface Profiles
3,575,035,908	A. Homola, G. Trippel, U. Bandara, and W. Steiner	Magnetic Record Carrier and Method of Making It
3,576,088,508	K. Daetwyler, P. Vettinger, P. Vettinger, and U. Behringer	Method for Repairing Lithographic Transmission Masks
3,668,914,908	W. D. Bissinger	Process for Regenerating an Electroless Copper Plating Bath
3,669,060,008	F. Ertinghausen, E. Ertinghausen, J. Mehrens, and J. D. Mehrens	Method for Monitoring the Performance of the Head-Disk Interface and Device for Preventing Data Losses Due to Magnetic Heads

France

162,173	C. Galand, C. Gergaud, P. Callens, P. Noailly, and P. Secondo	Method and System for Transmitting Digitized Voice Signals as Packets of Bits
166,062	D. Ballatore, J. M. Munier, and S. Huon	Arbitration Device for Latching Only the Highest Priority Request When the Common Resource Is Busy
189,489	J. C. Czarniak and R. Diot	Constant Biasing Circuit and Operational Amplifier Using Said Circuit
224,626	A. Blanc, P. Jeannot, and S. Spalmacin-Roma	Multi-Signal Processor Synchronized System
8,615,431	C. Desez, J. Boutault, and M. Mathieu	Quartz Tube for Semiconductor Wafer Thermal Processing

Sweden

458,929	M. Y. Al-Jaroudi	Selective Decarbonization of Ion Based Material
87,014,452	E. S. Prame	Keyboard for One Hand

Switzerland

192,795	E. Rothauser, E. A. Zurfluh, H. Keller, and H. R. Mueller	Communication System Comprising Overlaid Multiple-Access Transmission Networks
194,323	D. P. Pohl, J. K. Gimzewski, and W. D. Pohl	Scanning Tunneling Microscope

196,347	D. Gantenbein, E. P. Mumprecht, F. G. Gfeller, and F. R. Gfeller	Communication System
211,995	D. Maiwald, D. G. Maiwald, G. Ungerboeck, P. C. Chevillat, and P. R. Chevillat	Method and Arrangement for Detecting the Prescuce of a Training Signal in a Modern Receiver
United Kingdom		
156,052	P. Quarendon and P. W. Johnson	An Interactive Display System
163,788	C. J. Hillary, G. D. Day, I. Gollidge, J. K. Flack, J. V. Pike, and M. H. Watson	Adjustable Support for Display Monitor
187,425	A. C. Lowe, A. R. Cox, and J. C. Wood	Electro Optic Display Cell and Method of Making Same
1,057,862	J. A. Wiseman	Visual Display Unit
2,189,210	C. J. Hillary and J. V. Pike	Support Apparatus
United States		
4,888,297	M. O. Aboelfotoh and Y. L. Tsang	Process for Making a Contact Structure Including Polysilicon and Metal Alloys
4,888,545	N. Celenza and E. M. Najm	Improved Tap Switching Power Supply
4,888,600	F. E. Anderson, C. J. Gay, S. A. Hightower, and K. G. Luton	Keyboard Arrangement with Ghost Key Condition Detection
4,888,632	I. Haller	Easily Manufacturable Thin Film Transistor Structures
4,888,681	C. C. Barnes, R. B. Bennett, and T. J. Szczygielski	Space Management System for Data Files Having Shared Access
4,888,682	C. H. Ngai, E. R. Wassel, and G. J. Watkins	Parallel Vector Processor Using Multiple Dedicated Processors and Vector Registers Divided into Smaller Registers
4,888,707	K. Shimada	Object Collision Detection Method and Apparatus
4,888,771	D. M. Benignus	Diagnostic Configuration Management for a Data Processing System
4,888,773	D. L. Arlington, J. M. Cole, B. G. Hazelzet, D. J. Krolak, H. H. Li, B. J. Oza, and F. Weaver	Smart Memory Card Architecture and Interface
4,888,775	R. Karabed and P. H. Siegel	Trellis Codes for Partial Response Channels
4,888,779	R. Karabed and P. H. Siegel	Matched Spectral Null Trellis Codes for Partial Response Channels
4,888,812	R. F. Dinan, J. F. Dubil, J. R. Malin, R. R. Rodite, C. F. Rohe, and G. D. Rohrer	Document Image Processing System
4,889,240	K. Sato and T. Sawa	Bill Handling Apparatus Having Right and Left Bill-Shifting Mechanisms
4,889,439	S. A. Cook, P. J. Gerstle, D. R. Smith, and K. R. Stilz	Automatic Page End Feature for an Electronic Typewriter
4,889,784	R. B. Champ, M. D. Shattuck, and D. A. Stremel	Organic Photoconductors with Improved Wear
4,889,819	B. Davari, E. Ganin, D. L. Haramé, and G. A. Sai-Halasz	Method for Fabricating Shallow Junctions by Preamorphizing with Dopant of Same Conductivity as Substrate
4,890,098	A. J. O. Dawes and S. R. Henson	Flexible Window Management on a Computer Display
4,890,219	C. A. Heath, K. M. Jackson, D. E. Judice, and H. R. Pestonji	Mode Conversion of Computer Commands
4,890,238	K. Klein, K. Pollmann, H. Schettler, U. Schulz, O. M. Wagner, and R. Zuehlke	Method for Physical VLSI-Chip Design
4,890,240	D. J. Loeb and K. R. Milliken	Coalescing Changes in Pattern-Directed, Rule-Based Artificial Intelligence Production Systems
4,890,253	J. D. Jabusch, L. A. Kovacs, T. G. Plzak, and R. R. Richardson	Predetermination of Result Conditions of Decimal Operations
4,890,257	T. Anthias, J. A. Herrod, and G. M. Trees	Multiple Window Display System Having Indirectly Addressable Windows Arranged in an Ordered List
4,890,299	F. B. Dolivo and G. Ungerboeck	Fast Timing Acquisition for Partial-Response Signalling
4,891,643	J. L. Mitchell and W. B. Pennebaker	Arithmetic Coding Data Compression/De-Compression by Selectively Employed, Diverse Arithmetic Coding Encoders and Decoders
4,891,749	R. L. Hoffman, M. E. Houdek, and F. G. Soltis	Multiprocessor Storage Serialization Apparatus
4,891,766	A. G. Derr and C. A. McLaughlin	Editor for Expert System
4,891,771	T. R. Edel and R. A. Pascoe	Column Balancing Control
4,891,811	K. J. Ash, J. H. Derenburger, and R. L. Parsons	Efficient Address Test for Large Memories
4,892,672	R. W. Scheidecker and R. R. Suchomel	Process for Controlling Ferrous Iron Content in Manganese Zinc Ferrite
4,893,032	J. J. Braden	Non-Saturating Temperature Independent Voltage Output Driver with Adjustable Down Level
4,893,163	P. J. Rudeck	Alignment Mark System for Electron Beam/Optical Mixed Lithography
4,893,257	R. Dominguez, Jr., D. E. Finlay, S. D. Hanna, J. C. Lopez, D. C. Stevenson, and D. W. Zegafuse, Jr.	Multidirectional Scan and Print Capability

4,893,307	D. B. McKay, R. M. Morten, and M. P. Marsili	Method and Apparatus for Linking SNA Terminals to an SNA Host Over a Packet Switched Communications Network
4,894,279	K. G. Sachdev, K. S. Pennington, and M. S. Cohen	Electroerosion Print Media Having Protective Coatings Modified with Organotitanium Reagents
4,894,509	P. A. Chalco and J. C. Andreshak	Laser Assisted Heater Bar for Multiple Lead Attachment
4,894,562	J. R. Cavaliere and G. E. Smith III	Current Switch Logic Circuit with Controlled Output Signal Levels
4,894,599	H. H. Ottesen, Y. Nakagawa, and S. Ono	Deadbeat Control of Disk Drive Actuator
4,894,646	A. G. Ryman	Method and System for Processing a Two-Dimensional Image in a Microprocessor
4,894,697	D. Chin and S. H. Dhong	Ultra Dense DRAM Cell and Its Method of Fabrication
4,894,798	M. H. Doyle, R. W. Early, S. R. Myers, T. W. Ringle, and D. R. Smith	Automatic Stop Code Insertion Feature for a Word Processing Apparatus
4,895,447	W. Jarisch and G. G. Makosch	Phase-Sensitive Interferometric Mask-Wafer Alignment
4,896,054	D. B. Kiley	Optional Single or Double Clocked Latch
4,896,259	M. N. Jacobs, D. O. Lewis, and D. J. Thomforde	Apparatus for Storing Modifying Data Prior to Selectively Storing Data to be Modified into a Register
4,896,323	S. Korner, K. D. Muller, P. Rudolph, D. Schmunkamp, and H. S. Tandjung	Parity-Checked Clock Generator System
4,896,464	J. Kim, J. C. Logue, J. J. Ritsko, R. R. Shaw, and G. F. Walker	Formation of Metallic Interconnects by Grit Blasting
4,896,596	E. F. Helinski	Lubrication System for Print Hammer Mechanisms
4,896,817	R. W. Snyder and J. Spalik	Flux Composition and Method of Decreasing Tin Content in Lead/Tin Solder Joints
4,896,948	N. R. Dono, P. E. Green, Jr., and P. A. Perrier	Simplified Double-Cavity Tunable Optical Filter Using Voltage-Dependent Refractive Index
4,896,952	A. E. Rosenbluth	Thin Film Beamsplitter Optical Element for Use in an Image-Forming Lens System
4,897,055	T. M. Jurista and O. A. Mantilla	Sequential Connecting Device
4,897,564	C.-L. Chen	BICMOS Driver Circuit for High Density CMOS Logic Circuits
4,897,781	A. Chang, G. H. Neuman, A. A. Shaheen-Gouda, and T. A. Smith	System and Method for Using Cached Data at Local Node After Re-Opening a File at a Remote Node in a Distributed Networking Environment
4,897,782	R. B. Bennett and R. J. Catino	Local Cache Structure for Maintaining Updated File Characteristics in a File Sharing System
4,897,856	M. Cukier, F. Marciano, and P. Michel	Offset Correction Circuit for a Sigma-Delta Coding Device
4,898,117	P. G. Ledermann and L. T. Nguyen	Solder Deposition System
4,898,651	I. S. Mahmoud	Anodic Coatings on Aluminum for Circuit Packaging
4,898,842	L. D. David	Organometallic-Derived Cordierite and Other Compounds Comprising Oxides of Silicon
4,899,161	W. W. Morin, Jr. and B. Wasser	High Accuracy Coordinate Conversion Method for Air Traffic Control Applications
4,899,208	H. E. Dietsch and W. J. Nestok	Power Distribution for Full Wafer Package
4,899,274	B. W. Hansen and R. F. Romon	Dynamic Terminal Address Allocation by the Terminal Itself in a Data Processing System
4,899,276	F. Stadler	Field-Directed Screen Help Technique
4,899,294	C. J. Easton and A. C. Gay	Graphics Processing System
4,899,299	M. G. MacPhail	Method for Managing the Retention of Electronic Documents in an Interactive Information Handling System
4,899,327	K. A. Bates, R. A. Budd, M. A. Habegger, and M. L. Rhoades	Focus Servo Loop Correction
4,898,314	R. D. Stroh	Method and Apparatus for Stitcher Wire Loading
4,900,201	J. L. Danton, A. F. Klaiber III, and R. A. Terboss	Drill Spindle Depth Adjustment
4,900,274	F. J. Dorleans, R. O. Norton, and R. S. Pokrzywa	Keying System for Assuring Proper Array Configuration of Cable Cards
4,901,005	C. H. Shin and G. K. Woodworth	Zero Voltage Crossover Detector for Polyphase Systems
4,901,062	J. E. Morel, D. P. Rackley, S. W. Trynosky, and W. A. Wall	Raster Scan Digital Display System
4,901,076	H. O. Askin and F. D. Ferraiolo	Circuit for Converting Between Serial and Parallel Data Streams by High Speed Addressing
4,901,223	J. R. Rhyne	Method and Apparatus for Application Software Control of Echo Response
4,901,233	J. S. Liptay	Computer System with Logic for Writing Instruction Identifying Data into Array Control Lists for Precise Post-Branch Recoveries
4,901,234	C. A. Heath and J. E. Lenta	Computer System Having Programmable DMA Control
4,901,252	W. J. Fitzgerald, F. Gracer, and R. N. Wolfe	Method for Producing Planar Geometric Projection Images
4,901,279	D. W. Plass	MESFET SRAM with Power Saving Current-Limiting Transistors
4,901,329	J. M. Leas	Integrated Laser Arrays and Support Circuits
4,901,363	K. Toyokawa	System for Compressing Bi-Level Data