

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.

United States

4,773,001	B. E. Blair, D. R. Hughes, H. P. Posey, and A. Polischuk-Sawtschenko	Method and Apparatus for Communicating with Remote Units of a Distributive Data Processing System
4,773,036	R. E. Berens, D. J. Bradley, L. K. Buckley, R. A. Dayan, and B. A. Smith	Diskette Drive and Media Type Determination
4,773,039	E. M. Zamora	Information Processing System for Compaction and Replacement of Phrases
4,773,779	A. S. Wyne	Printer Ribbon Cartridge with Flexible Ribbon Guides and Integral Ribbon Shield
4,774,151	J. J. Cuomo, E. P. Dibble, and S. L. Levine	Low Contact Electrical Resistant Composition, Substrates Coated Therewith, and Process for Preparing Such
4,774,211	K. J. Hamilton and J. L. Powell	Methods for Predicting and Controlling the Shrinkage of Ceramic Oxides During Sintering
4,774,527	T. A. Hancock, R. A. John, R. Lane, O. Sahni, and J. T. Welch III	Printhead Having Electrode at More Than One Edge Surface
4,774,559	E. F. Culican and P. E. Pritzlaff, Jr.	Integrated Circuit Chip Structure Wiring and Circuitry for Driving Highly Capacitive On Chip Wiring Nets
4,774,654	J. H. Pomerene, T. R. Puzak, R. N. Rechtschaffen, and K. So	Apparatus and Method for Prefetching Subblocks from a Low Speed Memory to a High Speed Memory of a Memory Hierarchy Depending Upon State of Replacing Bit in the Low Speed Memory
4,774,657	M. J. Anderson, R. L. Cole, W. S. Davidson, W. D. Lee, P. B. Passe, G. R. Ricard, and L. W. Youngren	Index Key Range Estimator
4,774,688	M. Kobayashi, A. Kuroda, and T. Matsushita	Data Processing System for Determining MIN/MAX in a Single Operation Cycle as a Result of a Single Instruction
4,774,712	S. D. Lewis	Redundant Storage Device Having Address Determined by Parity of Lower Address Bits
4,774,760	R. J. Seaman and K. A. Vanderlee	Method of Making a Multipad Solder Preform
4,775,252	S. L. Applegate, J. J. Molloy, and D. C. Tao	Thermal Printhead Actuator Responsive to Carriage Drive and Including a Four Bar Linkage and Spring
4,775,608	T. H. Baum, P. J. Brock, J. Economy, R. L. Jackson, C. E. Larson, J. R. Lyerla, Jr., and C. R. Moyland	Generation of Capacitive Servo Patterns on Magnetic Storage Disks
4,775,804	W. P. Marple	Reconstructed Clock Generator
4,775,807	E. R. Bukowski, Jr.	Single Ended Receiver Circuit with Hysteresis
4,775,927	P. D. Hester and W. M. Johnson	Processor Including Fetch Operation for Branch Instruction with Control Tag
4,775,942	R. J. Ferreri, D. B. Fields, and W. R. Heitmüller	Seed and Stitch Approach to Embedded Arrays

4,775,945	B. R. Cavill and R. A. Schultz	Print Head Motor Control System with Automatic Drive Parameter Calculations
4,775,955	L. Liu	Cache Coherence Mechanism Based on Locking
4,775,988	P. R. Chevillat, D. G. Maiwald, and G. Ungerboeck	Method for Rapid Gain Acquisition in a Modem Receiver
4,776,024	S. Katoh and H. Takahashi	System for Segmenting Character Components
4,776,087	J. E. Cronin and M. A. Leach	VLSI Coaxial Wiring Structure
4,776,554	G. A. Shekita and R. C. Williams	Positioning Scheme for Multiple Mounting Positions of Input/Output Devices
4,776,922	A. Bhattacharyya, M. L. Kerbaugh, R. M. Quinn, and J. A. Robinson	Formation of Variable-Width Sidewall Structures
4,776,978	L. W. Herron, R. N. Master, and R. W. Nufer	Method of Controlling the Sintering of Metal Particles
4,777,544	B. R. Brown, H. L. Hu, K. B. Klaassen, J. J. Lum, J. C. L. Van Peppen, and W. E. Weresin	Method and Apparatus for In-Situ Measurement of Head/Recording Medium Clearance
4,777,549	S. Z. Dushkes and D. K. Lieu	Spindle Filter in a Data Recording Disk File
4,777,609	B. R. Cavill, C. D. Malkemes, K. M. Reinberg, and R. A. Schultz	Print Head Motor Control System Having Steady State Velocity Compensation
4,777,617	R. A. Frisch and Antonio Zamora	Method for Verifying Spelling of Compound Words
4,778,394	J. F. Smith	Pluggable Electronic Cartridge Extractor
4,778,582	J. K. Howard	Process for Making a Thin Film Metal Alloy Magnetic Recording Disk with a Hydrogenated Carbon Overcoat
4,778,739	H. A. Protschka	Photoresist Process for Reactive Ion Etching of Metal Patterns for Semiconductor Devices
4,779,001	G. Makosch	Interferometric Mask-Wafer Alignment
4,779,015	C. K. Erdelyi	Low Voltage Swing CMOS Receiver Circuit
4,779,188	P. H. Gum, R. E. Hough, P. H. Tallman, and T. O. Curlee III	Selective Guest System Purge Control
4,779,189	V. J. Legvold and S. O. Wellons	Peripheral Subsystem Initialization Method and Apparatus
4,779,270	A. J. Gruodis, D. E. Hoffman, C. A. Puntar, and D. E. Skooglund	Apparatus for Reducing and Maintaining Constant Overshoot in a High Speed Driver
4,781,758	P. L. Gendler, A. H. Sporer, and D. A. Stremel	Ink Composition for Drop-on-Demand Ink Jet
4,781,970	S. G. Barbee, H.-C. Huang, J. Kim, J. M. Park, C. H. Perry, and D. Y. Shih	Strengthening a Ceramic by Post Sinter Coating with a Compressive Surface Layer
4,782,008	E. D. Babich, M. Hatzakis, S. L. Jacobs, J. R. Parasczak, J. M. Shaw, and D. F. Witman	Plasma-Resistant Polymeric Material, Preparation Thereof, and Use Thereof
4,782,193	R. Linsker	Polygonal Wiring for Improved Package Performance
4,782,250	R. D. Adams, R. C. Flaker, K. S. Gray, and H. L. Kalter	CMOS Off-Chip Driver Circuits
4,782,300	A. R. Bonaccio, B. A. Carlson, L. S. Heim, K. A. Moe, and S. A. Schmitt	Differential Transceiver with Line Integrity Detection
4,782,413	J. K. Howard and T. C. Huang	Magnetoresistive Sensor with Mixed Phase Antiferromagnetic Film
4,782,414	M. T. Krounbi, G. G. Lopatin, and A. L. Thaver, Jr.	Magnetoresistive Read Transducer with Insulator Defined Trackwidth
4,782,415	A. W. Vinal	Differential Twin Track Vertical Read/Write Magnetic Head Structure
4,782,444	A. A. Munshi and K. M. Schimpf	Compilation Using Two-Colored Pebbling Register Allocation Method Such That Spill Code Amount Is Invariant with Basic Block's Textual Ordering
4,782,463	J. R. Sanders and B. E. Hofmann	Method for Generating Display Screens for a Set of Application Programs by Calling Screen Management Subroutines
4,782,523	C. Galand, R. Roulier, R. Vermot-Gauchy, and H. Cerf-Danon	Tone Detection Process and Device for Implementing said Process
4,783,222	F. Druschke	Glass Fiber Reinforced Polyepoxide Products and Method for Producing Same
4,783,652	L. Lumelsky	Raster Display Controller with Variable Spatial Resolution and Pixel Data Depth
4,783,657	S. F. Bouchard, P. R. Heintz, and P. H. Tracy	Processor Intercommunication Network
4,783,738	H. Li and C.-C. Wang	Adaptive Instruction Processing by Array Processor Having Processor Identification and Data Dependent Status Registers in Each Processing Element
4,783,759	K. W. Borgendale, P. S. Cheng, and K. A. Zaiken	Floating Command Line
4,783,834	K. L. Anderson and J. L. Mitchell	System for Creating Transposed Image Data From a Run End or Run Length Representation of an Image
4,784,135	S. E. Blum and R. Srinivasan	Far Ultraviolet Surgical and Dental Procedures
4,784,447	M. R. Latta and T. C. Strand	Holographic Objective Mirror for Optical Storage
4,784,975	K. Hofmann, G. W. Rubloff, and D. R. Young	Post-Oxidation Anneal of Silicon Dioxide

4,785,135	M. E. Ecker and L. T. Olson	De-coupled Printed Circuits
4,785,167	B. A. Madrid	Photodetector Having Cascaded Photoelements
4,785,189	O. C. Wells	Method and Apparatus for Low-Energy Scanning Electron Beam Lithography
4,785,239	A. Brunsch, W. Steiner, and G. Trippel	Method and Apparatus for Characterizing Magnetic Coating Compositions as Well as Improving Magnetic Particle Dispersions
4,785,337	D. M. Kenney	Dynamic RAM Cell Having Shared Trench Storage Capacitor with Sidewall-Defined Bridge Contacts and Gate Electrodes
4,785,341	T. H. Ning and S. K. Wiedmann	Interconnection of Opposite Conductivity Type Semiconductor Regions
4,785,356	C. A. Gonzales and W. B. Pennebaker	Apparatus and Method of Attenuating Distortion Introduced by a Predictive Coding Image Compressor
4,785,366	M. T. Krounbi and O. Voegeli	Magnetoresistive Read Transducer Having Patterned Orientation of Longitudinal Bias
4,785,399	R. C. Evans, G. M. Koppelman, and V. T. Rajan	Shaping Geometric Objects by Cumulative Translational Sweeps
4,785,418	H. B. Pearce and L. P. West	Proportional Automatic Gain Control
4,785,446	D. M. Dias, Y.-C. Lien, and K. Maruyama	Distributed Bit Switching of a Multistage Interconnection Network
4,785,452	B. R. Petz, R. P. Rieger, and A. D. Walls	Error Detection Using Variable Field Parity Checking
4,786,360	W. J. Cote, K. L. Holland, and T. M. Wright	Anisotropic Etch Process for Tungsten Metallurgy
4,786,441	R. D. Miller	Preparation of Iodonium and Sulfonium Triflates
4,786,528	W. J. Amelio, V. Markovich, W. J. McCarthy, A. F. Moring, P. A. Moschak, and D. H. Strobe	Process for Treating Reinforced Polymer Composite
4,786,613	E. L. Gould, D. W. Kemerer, L. A. McAllister, R. A. Piro, G. R. Richardson, and D. A. Wellburn	Method of Combining Gate Array and Standard Cell Circuits on a Common Semiconductor Chip
4,785,627	M. A. Al-Jaroudi	Drive Device
4,786,674	L. W. Herron, A. H. Kumar, and R. W. Nufer	Diffusion Isolation Layer for Maskless Cladding Process
4,786,864	J. G. Beha, R. W. Dreyfus, A. M. Hartstein, and G. W. Rubloff	Photon Assisted Tunneling Testing of Passivated Integrated Circuits
4,786,890	B. H. Marcus, A. M. Patel, and P. H. Siegel	Method and Apparatus for Implementing a PRML Code
4,786,993	S. A. Jove, K. B. Klaassen, C. S. Nomura, and J. C. L. Van Peppen	Voltage Amplifier for Constant Voltage Biasing and Amplifying Signals from a MR Sensor
4,787,025	H. Cheselka, G. J. Hladik, C. Karabatsos, L. G. Mosher, and R. M. Morrison	Remote Fan Out Facility for Data Terminals
4,787,026	J. G. Barnes, J. W. Blackard, R. Krishnamurthy, and T. L. Mothersole	Method to Manage Coprocessor in a Virtual Memory Virtual Machine Data Processing System
4,787,030	R. S. Harter, J. S. Lucash, and R. J. Major	Data Processing Apparatus with Fixed Address Space
4,787,040	R. N. Ames, L. Balliet, R. V. Ballou, S. M. Belyeu, J. A. Boscove, A. Bou-Ghannam, P. Langer, A. B. McNeill, G. U. Merckel, R. V. Miller, T. K. Pate, N. J. Schwartz, F. T. Slater, S. A. Strickland, and W. C. Troop	Display System for an Automotive Vehicle
4,787,007	R. W. Barton, M. Y. Chen, C. R. Davis, G. L. Gorman, V. Marrello, and K. A. Rubin	Process for Optically Storing Information Using Materials Having a Single Phase in Both the Crystalline State and the Amorphous State
4,787,404	D. H. Klosterman, S. M. Laskowski, S. V. Knee, and S.-K. Shi	Low Flow Rate-Low Pressure Atomizer Device
4,788,484	J. P. Bolash, J. G. Goodwin, and N. J. Krull	Method and Apparatus for Driving a Stepper Motor with Multiple Voltages
4,788,659	R. E. Berry and T. M. Ruiz	Screen Building to Facilitate Later Selection of Portions Thereof
4,788,683	P. D. Hester and W. M. Johnson	Data Processing System Emulation with Microprocessor in Place
4,788,767	K. V. Desai and K. Harold	Method for Mounting a Flexible Film Semiconductor Chip Carrier on a Circuitized Substrate
4,789,255	D. E. Hays and J. F. Lederer	Correction Buffer
4,789,257	J. K. Brown III, D. D. Cronch, P. A. Graham, and K. N. Tucker	Line Find Feature for an Electronic Typewriter
4,789,295	R. J. Boucher, Jr. and J. E. Inscoc	Article Manipulator for Robot
4,789,598	J. K. Howard and R.-H. Wang	Thin Film Medium for Horizontal Magnetic Recording Having an Improved Cobalt-Based Alloy Magnetic Layer
4,789,648	M. M. Chow, J. E. Cronin, W. L. Guthrie, C. W. Kaanta, B. Luther, W. J. Patrick, K. A. Perry, and C. L. Standley	Method for Producing Coplanar Multi-Level Metal/Insulator Films on a Substrate and for Forming Patterned Conductive Lines Simultaneously with Stud Vias
4,789,913	T. A. Gregory, C. G. Keller, B. E. Kennedy, B. A. Murray, and W. J. Rothschild	Method and Apparatus for Lubricating a Magnetic Disk Continuously in a Recording File