

Recent IBM Patents

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

Canada		
954,930	P. C. Young	High Speed Printer
France		
7,001,684	G. Hadamard	Reduction of Parasitic Thyatron Effects in Monolithic Integrated Circuits
7,147,850	A. Crosier	Digital Phase Detector
Germany		
2,007,496	G. Knauff, E. Vogt, P. Skuin	Shift Matrix or Arrangement for the Parallel Shifting of Information
2,019,629	A. W. Deegen	Crosshead Die for a Screw Extruder for Coating Flat Cables
2,165,729	U. Baitinger, K. Najmann R. Remshardt	Monolithic Storage Arrangement with Latent Bit Pattern
2,258,802	S. Arnold	Transport Device for Web Material
United Kingdom		
1,354,155	R. J. Llewelyn, J. F. Minshull	Digital Data Processing Systems
1,356,269	D. M. Taub	Digital Data Handling System
1,356,270	D. M. Taub, C. E. Owen	Digital Data Handling System
1,357,400	B. M. Kington, J. M. Vigar	Magnetic Recording and Reproducing Apparatus
United States		
233,608	R. I. Conway, R. V. Jones, J. J. Natoli, J. V. Stram	Numeric Input/ Audio Output Multifunction Console or the Like
233,759	C. A. Pycha, F. Wilkey, Jr.	Data Entry Station for Automatic Data Processing
3,842,491	A. H. Depuy, L. F. Johnson, S. Scheinberg	Manufacture of Assorted Types of LSI Devices on Same Wafer
3,842,736	R. L. Gilbert, M. D. Hryck J. Mako	Print Hammer Registration Control
3,842,794	P. W. Ing	Apparatus for High Temperature Semiconductor Processing
3,843,362	J. J. DiFazio, G. J. Giuffre A. F. Karsch	Latent Image Mask Repair
3,843,403	R. S. Haines	Methods of Manufacturing Ferromagnetic Carbon Modified Chromium Oxide and Compositions and Recording Media Containing Same
3,843,404	J. E. Haefele, C. R. Hawkins R. E. Kubec	Magnetic Recording Coating
3,843,895	H. C. Hamel, C. A. Kunzinger W. K. Stelzenmuller	Two-way OR Circuit Using Josephson Tunneling Technology
3,843,942	J. Pierret, A. H. Lautier F. P. Maddens, H. J. Nussbaumer	Equalizer for Phase Modulation Communication Systems Using the Instantaneous Signal Amplitude Weighted by Signal Envelope Amplitude Distortion as an Adjustment Control Signal
3,843,953	G. A. Maley, J. Riseman	Apparatus for Controlling Functionally Severable Parts of a Computer System
3,843,954	A. A. Hansen, R. D. Lane	High-Voltage Integrated Driver Circuit and Memory Embodying Same
3,843,967	R. B. Mulvany	Storage System Having a Universal Disk Drive and a Family of Data Modules
3,844,552	C. D. Bleau, J. C. Rogers, J. W. Spears	Document Feed Device
3,844,799	W. L. Underkofler, T. D. Zucconi	Electroless Copper Plating
3,844,831	E. E. Cass, W. A. Enichen, J. Havas	Forming a Compact Multilevel Interconnection Metallurgy System for Semiconductor Devices
3,845,286	J. Aronstein, W. E. Harding, P. M. Zeiss	Manufacturing Control System for Processing Workpieces
3,845,370	J. P. Mantey	Credibility Testing in Sampled-Data Systems
3,845,378	K. E. Hendrickson, S. D. Keidl, W. A. Lopour	Analog Stepping Motor Control System
3,845,445	R. J. Braun, H. C. Kuntzleman, H. E. Meier	Modular Hall Effect Device
3,845,476	R. F. Boehm	Monolithic Memory Using Partially Defective Chips

3,845,500	G. A. Hart	Head to Track Alignment in a Rotating Head Magnetic Tape Unit
3,846,168	G. V. Elmore	Method of Forming Bondable Substrate Surfaces
3,846,191	J. M. Blum, K. K. Shih	Liquid Phase Epitaxy of $Al_xGa_{1-x}As$
3,846,193	W. N. Jacobus, Jr., S. Ku	Minimizing Cross-Talk in L.E.D. Arrays
3,846,259	B. F. Duncan, D. K. Seto	Semiconductor Fabrication Method for Accommodating Redundancy
3,846,643	W. M. Chu, J. M. Lee, G. C. Luckett	Delayless Transistor Latch Circuit
3,846,661	A. V. Brown, F. Hochberg	Technique for Fabricating Integrated Incandescent Displays
3,846,714	J. B. Gunn	Microwave Oscillator
3,846,717	P. L. Fleming	Bulk Effect Semiconductor Oscillator Including Resonant Low Frequency Input Circuit
3,846,768	P. J. Krick	Fixed Threshold/Variable Threshold Storage Device for Use in a Semiconductor Storage Array
3,846,800	W. H. Chen	Ink Jet Recording Method and Apparatus
3,846,836	P. R. Masse, W. J. Pendy, W. S. Wentink	Loading and Unloading Mechanism for Flexible Magnetic Disks
3,846,840	W. W. Childers, K. H. Elser, P. J. Peterson	Read/Write and Longitudinal Edge Erase Head Assembly Having Multiple Similarly Shaped Layers
3,847,552	L. D. Hobgood, J. A. Lorenzen	Environmental Monitoring Device and Method
3,848,157	J. F. Kripl	Brushless DC-Tachometer
3,848,192	L. J. Wallace	Drift Compensated Document Sensing System
3,848,235	D. O. Lewis, T. H. Miller	Scan and Read Control Apparatus for a Disk Storage Drive in a Computer System
3,848,251	D. G. Allmon, P. Lee, C. W. Coker, Jr.	Logical Circuitry for Recovering RPM Decoded PRM Recorded Data
3,848,252	H. C. Chang, R. J. Strnad, R. D. Suelflow	Magnetic Keyboard
3,848,259	D. J. Herrell	Multicontrol Logic Gate Design
3,848,305	P. D. Jachimiak	Roll for Contact Fusing Thermoplastic Particles to Substrates
3,848,515	B. G. Gardineer, H. A. Panissidi	Linear Hydraulic Drive System
3,848,722	P. S. Bolan, D. Bryant, E. Drejza, S. Holovka, W. Weber	Print Disc Assembly for a Printer
3,849,136	K. R. Grebe	Masking of Deposited Thin Films by Use of a Masking Layer Photoresist Composite
3,849,190	B. J. Foster, R. R. Tummala	Dielectric Glass Overlays and Method for Producing Said Glass Compositions
3,849,204	A. B. Fowler	Process for the Elimination of Interface States in MiOS Structures
3,849,276	J. H. Greiner	Process for Forming Reactive Layers Whose Thickness Is Independent of Time
3,849,707	N. Braslau, J. J. Cuomo, E. P. Harris, H. J. Hovel	Planar GaN Electroluminescent Device
3,849,712	L. G. Lankford, W. R. Whittle	Adaptive Numerically Controlled Machine Tool Responsive to Deflection Forces on the Tool Normal to the Cutting Path
3,849,714	J. A. Goretzki, K. E. Hendrickson, G. L. Mattson, L. F. Mattson	Stepper Motor Control System
3,849,800	D. E. Cuzner, C. O. R. Dodman, J. S. Heath, L. J. Rigbey	Magnetic Disc Apparatus
3,849,872	E. M. Hubacher	Contacting Integrated Circuit Chip Terminal Through the Wafer Kerf
3,849,906	H. E. Hansen, R. J. Straub, E. M. Tuczynski	Rotary Fluid Applicator
3,850,105	J. Aronstein, A. Leoff, J. J. Murphy, W. S. Ruder	Apparatus for Transferring Articles Through Various Processing Sectors of a Manufacturing System
3,850,279	R. A. Kolpek	Print Point Positioning Control for a Character-by-Character Printer
3,850,358	M. L. Nettles	Continuous Compliant Guide for Moving Web
3,850,690	K. Lee, J. C. Suits	Method of Making MnGaGe Films
3,850,706	G. B. Street	$Mn_{1-x}M_xGaGe$ Ferromagnetic Materials Where M Comprises Transition Metals
3,851,116	M. R. Cannon	Automatic Magnetic Tape Information Retrieval System With Speed and Position Tape Drive Control
3,851,174	E. E. Tynan, R. J. Von Gutfeld	Light Detector for the Nanosecond DC Pulse Width Range
3,851,211	J. C. Greeson, Jr.	Sustain Sequence Circuitry for Gas Panel Display Devices
3,851,221	P. E. Beaulieu, J. J. Zabursky	Integrated Circuit Package
3,851,245	T. H. Baker, R. C. Stevens, A. J. Tzou	Method for Determining Whether Holes in Insulated Layer of Semiconductor Substrate Are Fully Open
3,851,252	M. Karnaugh, G. K. McAuliffe	Timing Recovery in a Digitally Implemented Data Receiver
3,851,306	A. M. Patel	Triple Track Error Correction
3,851,317	R. A. Kenyon	Double Density Non-volatile Memory Array
3,851,335	J. E. Elliott	Buffer Systems

3,851,758	M. P. Makhijani, F. Scacciaferro	Semiconductor Chip Fixture
3,852,088	R. B. Godlewski, R. D. Harris, M. J. Tinghitella	Security Document System and Method
3,852,120	W. S. Johnson, S. Ku	Method for Manufacturing Ion Implanted Insulated Gate Field Effect Semiconductor Transistor Devices
3,852,658	R. J. Braun, F. Buckley	Bistable, Self-Compensating Transducer Circuit
3,852,687	P. Hodges	High Rate Digital Modulation/Demodulation Method and Means
3,852,723	W. Wu	Programmable Signal Distribution System
3,852,768	J. M. Carmichael, D. L. West R. A. Williams	Charge Detection for Ink Jet Printers
3,852,795	I. Ames	Josephson Tunneling Circuits with Superconducting Contacts
3,852,796	J. J. Cuomo, H. J. Hovel	GaN Switching and Memory Devices and Methods Therefor
3,852,809	C. W. Coker, Jr.	Return to Zero Detection Circuit for Variable Data Rate Scanning
3,852,820	R. A. Barbeau, B. W. McGinnis, F. A. Schultz	Stabilization of Partitionable Memory with Flexible Rotating Discs
3,852,877	J. Ahn, B. Schwartz, D. L. Wilcox	Multilayer Circuits
3,853,024	A. Vesci	Two Speed Drive System for Print Mechanism or the Like
3,853,091	R. G. Christensen, R. Wahl	Thin Film Coating Apparatus
3,853,313	H. A. Appenzeller, J. C. Miller, V. Shea	Wafer Interlocking Transport System
3,853,415	C. P. Barnard, R. B. Mulvany, A. D. Rizzi	Coupling Assembly for Carriage and Actuator
3,853,715	L. T. Romankiw	Elimination of Undercut in an Anodically Active Metal During Chemical Etching
3,853,773	J. T. Martin, C. T. Patros	Anti-gum and Solvating Lubricant
3,854,071	M. B. Heritage, G. A. Wardly	Exposure Regulated Scanning Illumination Means for Electron Projection Systems