

Recent IBM Patents

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

Canada		
1,019,469	H. L. Jordan	Electronic Module Lead Forming and Shearing Apparatus
France		
7,505,906	H. Nussbaumer	Phase-Directed Decision Feedback Equalizer
Germany		
2,636,211	W. Jaerisch and G. Makosch	Interferometric Distance Measuring Method Generating
Sweden		
7,508,948	E. S. Prame	Switching Arrangement for a Display Panel with Running Characters
United Kingdom		
1,473,772	C. E. Owen	Electrochromic Display Device
United States		
4,041,462	M. I. Davis, G. W. Mayes, T. S. McDermott and L. E. Wise	Data Processing System Featuring Subroutine Linkage Operations Using Hardware Controlled Stacks
4,041,536	R. L. Melcher and N. S. Shiren	Optical Scanner
4,042,119	J. K. Hassan and C. V. Rabstejnek	Workpiece Positioning Apparatus
4,042,777	F. C. Bequaert and N. Rochester	One-Handed Keyboard and Its Control Means
4,042,783	A. M. Gindi	Method and Apparatus for Byte and Frame Synchronization on a Loop System Coupling a CPU Channel to Bulk Storage Devices
4,042,911	D. G. Bourke and F. J. Puttlitz	Outer and Asynchronous Store Extension System
4,042,913	R. E. Birney, M. I. Davis, L. A. Graybiel, R. A. Hood, S. Kahn and W. S. Osborne	Address Key Register Load/Storage Instruction System
4,042,937	F. J. Perry and A. Vesci	Ink Supply for Pressurized Ink Jet
4,044,232	J. H. Hubbard	Electronic Copy Selection Controls for a Document Reproduction Machine
4,044,244	S. H. Foreman, E. H. Millham, J. E. Ortloff and R. J. Prilik	Automatic Tester for Complex Semiconductor Components Including Combinations of Logic, Memory and Analog Devices and Processes of Testing Thereof
4,044,295	F. A. Ferraiolo and R. K. Griess	Over-Voltage Interrupt for a Phase Controlled Regulator
4,044,331	F. J. Garofalo, Jr. and G. N. Pardonner, Jr.	Data Input Apparatus Having Bidirectional Reader for Inputting Alternative Messages
4,044,337	G. L. Hicks, L. D. Howe, Jr. and F. A. Zurla, Jr.	Instruction Retry Mechanism for a Data Processing System
4,044,347	D. C. Van Voorhis	Variable-Length to Fixed-Length Conversion of Minimum-Redundancy Codes
4,044,392	G. W. Brock, F. B. Shelledy and A. B. Wills	Process for Making a Read-While-Write Tape Head and the Product Made Thereby
4,044,452	S. A. Abbas and R. C. Dockerty	Process for Making Field Effect and Bipolar Transistors on the Same Semiconductor Chip
4,044,454	I. E. Magdo	Method for Forming Integrated Circuit Regions Defined by Recessed Dielectric Isolation
4,044,880	B. R. Martin	High Speed Wheel Printer and Method of Operation
4,044,937	T. Hill, A. Kennedy and W. G. Thomson	Multiple Ball Element Wafer Breaking Apparatus
4,045,594	F. S. Maddocks	Planar Insulation of Conductive Patterns by Chemical Vapor Deposition and Sputtering
4,045,696	H. Lutz, V. Zimmermann and R. Zuehlke	Rotor Stator Assembly for a Low Inertia Stepping Motor
4,045,736	R. G. Carpenter and C. C. Chao	Method for Composing Electrical Test Patterns for Testing AC Parameters in Integrated Circuits
4,045,770	R. W. Arnold and T. Tomasky	Method and Apparatus for Adjusting the Velocity of Ink Drops in an Ink Jet Printer
4,045,881	B. Brandt, P. Jansen and H. Liesenfeld	System for Venting the Heating Pipes of a Tubular Rotary Dryer

4,046,618	P. Chaudhari, J. J. Cuomo and J. W. Matthews	Method for Preparing Large Single Crystal Thin Films
4,045,821	H. Fujikura	Tape Cartridge Having a Shutter with Self Locking Function
4,046,985	G. A. Gates	Semiconductor Wafer Alignment Apparatus
4,047,013	A. Milewski	Method and Apparatus for Fast Determination of Initial Transversal Equalizer Coefficient Values
4,047,051	L. G. Heller	Method and Apparatus for Replicating a Charge Packet
4,047,124	L. D. Comerford and P. S. Zory, Jr.	Planar Solid State Laser Array
4,047,125	R. W. Dreyfus	Electron Beam Pumped Gas Laser
4,047,135	P. E. Stuckert	Cylindrical, Linear, Stopless Mercury Switch and Relay
4,047,153	P. E. Thirion	Statistical Data Detection Method and Apparatus
4,047,161	M. I. Davis	Task Management Apparatus
4,047,183	H. H. Taub	Method and Apparatus for Controlling the Formation and Shape of Droplets in an Ink Jet Stream
4,047,184	E. Bassous and L. Kuhn	Charge Electrode Array and Combination for Ink Jet Printing and Method of Manufacture
4,047,186	A. H. Kendall and R. L. Rohr	Pre-Aimed Nozzle for Ink Jet Recorder and Method of Manufacture
4,047,244	K.-F. Finkemeyer, K. M. Roehr and G. Sonntag	Microprogrammed Data Processing System
4,048,350	R. Glang and S. I. Raider	Semiconductor Device Having Reduced Surface Leakage and Methods of Manufacture
4,048,356	P. Bakos, I. Memis and J. Rasile	Hermetic Topsealant Coating and Process for its Formation
4,048,485	H. J. Nussbaumer	Digital Filter Generating a Discrete Convolution Function
4,048,639	J. C. Walsh, J. T. Wilson III and B. A. Wolfe	Ink Jet Nozzle with Tilted Arrangement
4,048,648	A. W. Vinal	High Carrier Velocity FET Magnetic Sensor
4,048,660	J. C. Dennison and H. H. Ottesen	Record Track Following and Seeking
4,048,671	R. W. Callahan, P. E. Kauffman and M. J. Mitchell, Jr.	Address Match for Data Processing System with Virtual Addressing
4,049,478	H. N. Ghosh, M. L. Joshi and T.-H. Yeh	Utilization of an Arsenic Diffused Emitter in the Fabrication of a High Performance Semiconductor Device
4,049,522	N. G. Ainslie, R. D. Hempstead, S.-I. Tan and E. P. Valstyn	Low Coercivity Iron-Silicon Material, Shields, and Process
4,049,857	R. Hammer	Deposition Mask and Methods of Making Same
4,050,060	R. E. Birney and R. A. Hood	Equate Operand Address Space Control System
4,050,086	J. D. Harr	Dynamic Transducer Biasing Signal Amplifying Circuitry
4,050,090	E. P. Kollar	Helical Scan Magnetic Recording Device Having a Folded Mounting Plate
4,050,094	D. G. Bourke	Translator Lookahead Controls
4,050,507	R. C. Chu and K. P. Moran	Method for Customizing Nucleate Boiling Heat Transfer From Electronic Units Immersed in Dielectric Coolant
4,050,954	J. S. Basi	Surface Treatment of Semiconductor Substrates
4,051,353	H.-T. Lee	Accordion Shift Register and its Application in the Implementation of Level Sensitive Logic System
4,051,470	D. J. Esteban and J. E. Menez	Process for Block Quantizing an Electrical Signal and Device for Implementing Said Process
4,051,538	S. J. Fox, V. C. Martin and D. A. Van Hook	Ink Jet Copier
4,051,541	B. W. McGinnis and J. A. Weidenhammer	Access to Floppy Disk Stack
4,052,704	P. A. Franaszek	Apparatus for Reordering the Sequence of Data Stored in a Serial Memory
4,052,709	P. Chaudhari and G. R. Woolhouse	Accessing Information in a Lattice Array by Dislocation Punching
4,052,710	B. A. Calhoun, J. C. Slonczewski and O. Voegeli	Systems Using Lattice Arrays of Interactive Elements
4,052,711	Y. S. Lin and J. E. Stanland	Bubble Lattice File Using Movable Fixed Lattice
4,052,741	J. P. Baca and P. T. Marino	Track Seeking and Following
4,052,793	C. P. Coughlin and L. H. Faure	Method of Obtaining Proper Probe Alignment in a Multiple Contact Environment
4,053,232	F. H. Dill and P. S. Hauge	Rotating-Compensator Ellipsometer
4,053,335	S.-M. Hu	Method of Gettering Using Backside Polycrystalline Silicon
4,053,752	P. F. DeJohn, C. E. Hoff, R. D. Tennison and J. C. Young, Jr.	Error Recovery and Control in a Mass Storage System
4,053,804	M. O. Aboelfotoh	Dielectric for Gas Discharge Panel
4,053,873	L. B. Freeman, R. J. Incerto and J. A. Petrosky, Jr.	Self-Isolating Cross-Coupled Sense Amplifier Latch Circuit
4,053,878	J. W. Cannon	Method and Apparatus for Improving the Clarity and Character Density on a Dot Matrix Video Display
4,053,942	W. E. Dougherty, Jr., L. V. Gregor, D. L. Klein, T. F. Redmond and M. D. Reeber	Device for Removing Low Level Contaminants from a Liquid